Tigray Socio-Economic Survey-2025

Report for 75 Woredas under the interim administration



Tigray Statistics and Vital Registration Agency

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PREFACE

The Tigray Statistics and Vital Events Registration Agency (TSVERA) have carried out an extensive socioeconomic survey that forms the foundation of this comprehensive report. The findings offer a detailed and timely assessment of the current realities in Tigray, capturing demographic trends, livelihood conditions, and the complex development challenges confronting both the government and the people of Tigray. Drawing on data from 75 woredas and internally displaced persons (IDP) camps, the report provides critical insights into household dynamics, migration, education, health, legal issues, agriculture, employment, poverty, food security, housing, asset ownership, and infrastructure.

The results portray a society characterized by both resilience and vulnerability. Household sizes vary widely between urban and rural areas, and gender disparities in household headship remain pronounced. War-induced displacement continues to reshape the demographic and social fabric of the region. The report also highlights major gaps in educational access, especially in rural communities alongside persistent challenges in healthcare delivery. Legal and social protection issues further reveal systemic barriers that demand sustained policy attention.

The economic data paints a sobering picture. High unemployment, deepening poverty, and widespread food insecurity call for urgent and targeted policy interventions. Meanwhile, infrastructural gaps, particularly in road access and quality, highlight the need for long-term investment in resilient public infrastructure to foster equitable development and improve livelihoods.

It is important to acknowledge that this report covers only 75 of Tigray's 93 woredas. The Western Tigray zone could not be included in the survey and this report due to the continued occupation by Amhara forces and the Federal Government's failure to fulfill its constitutional duty to ensure the withdrawal of non-ENDF forces from the region. Despite this limitation, the report remains both a powerful diagnostic tool and a call to action. It underscores the urgent need for coordinated engagement among government entities, development partners, and communities to confront the identified challenges and support the recovery and reconstruction of Tigray.

The path forward must be holistic, evidence-based, and inclusive prioritizing the needs of vulnerable groups, including women, rural populations, and internally displaced persons. At the same time, given the dynamic nature of Tigray's socioeconomic landscape and the inherent limitations of a single-point-in-time assessment, it is imperative to institutionalize and replicate such surveys regularly to track progress and inform responsive policymaking.

In closing, I extend my deepest appreciation to the dedicated team whose commitment and professionalism made this report possible. As we look to the future, the data and insights contained in this report will serve as a vital baseline resource for strategic planning and evidence-based decision-making, helping us shape a more equitable, resilient, and prosperous Tigray.

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Director, General

Tigray Statistics and Vital Events Registration Agency (TSVERA)

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GLASSOARY OF TERMS

TSES	Tigray socioeconomic survey
TSVERA	Tigray Statistics and Vital Registration Agency

EXECUTIVE SUMMARY

Demographic Characteristics

The mean household size of the surveyed woredas was 4.28 of which 3.8 was for urban areas and 4.6 was for rural areas. 34.24 of households were female headed households while the remaining 54.95% of the households were headed by male. When we look to the place of residence, more (41.39%) households in urban areas were headed by female and 28.84% of the households were headed by male. In the IDP camps, 54.95% of the households were headed by male and 45.05% were headed by female. Regarding the age structure, 35% of the population in the surveyed woredas was between the age of 15 and 30 years. When we look at the place of residence, 38% of the urban population was between the age of 15 and 30 years and 34% of the urban population was between the age of 15 and 30 years.

Migration

When we status of migration of households in the 75 woredas, 30.2 percent of the population (not including all woredas) are migrants in 2024. Females tend to migrate more frequently than males, given that 26.5 percent of males are migrants compared to 33.8 percent of females.

Migrant with 5 and less continuous years duration of stay in the enumeration area are recorded as recent migrants. Based on this definition, the data shows that, around 31.9 percent of migrants are recent. Out of the recent migrants 37.3% of them live in urban areas and 23.1% of them live in rural areas. Males tend to migrate more frequently than Females in recent migrants, given that 32.4 percent of males are recent migrants compared to 31.5 percent of females.

The reason of migration for internally displaced persons live in camps was 100 percent due to war. At woreda level, reasons of migration due to war accounts the highest percentage.

Education

Estimates for the survey 75 woredas indicated that 36% of the population aged 3 years and above have never attended formal education. In terms of residence, 23% of urban and 45% rural residents have never attended any formal education. Highest number of populations who never attended any formal school are found to be in Seyemti Adyabo (73%), followed by Chilla and Tsimbila (63%).

Estimates also indicated that post-secondary educational attainments are low; that from the total household members who attained any level of formal education, only 9% have attain above secondary level (0.08%TTI, 0.31% Masters and above, 0.67% not completed College Degree/university, 0.9% technique level 1upto5, 2. % College Diploma, and 3%completed College Degree/university).

Gross enrolment rates for both sexes in primary and secondary school are found to be 98%, and41% respectively. Similarly, net enrolment rates for both sexes are found to be 69% in primary and 19% in secondary school.

Total estimate of the 75 woredas and IDP camps indicated that about 21% students traveled for more than 30minutes, and 5% for more than an hour, to get access to primary school while 66% and 15% students at secondary level travel for more than 30minutes and an hour respectively.

Health

About 13.46% of respondents had consulted a health provider or traditional healer. Specific to sex, self-reported seeking of health services was 12.35% for men and 14.53% for women. The magnitude of health consultation was 14.51% in urban and 12.82% in rural residents.

The majority of the reasons for consulting a health provider at a health facility in the last four weeks were due to new or acute illness (4.23%) preceded by health care (not linked to pregnancy) (3.33%).

The prevalence of suffering from illness or injury in the last four weeks was 7.11% and also was about the same for women (7.12%) and men (7.10%). About 8.18% of IDPs had illness or injury in the last four weeks, and women (8.62%) were relatively higher in prevalence of illness than men (7.71%).

Based on the type of sickness or injury faced in the last four weeks, the prevalence of malaria (1.49%) preceded by injury (0.79%) was highest. Diarrhea was largely prevalent in children under five (1.43%) compared to the older ages.

Doctors were mostly consulted for the illness or injury faced, which was 52.98%, followed by nurses (17.11%). The majority (43.69%) of people who had faced illness or injury noted hospitals, followed by health centers (28.75%), as their primary choice. The main reason for not

consulting a healthcare provider or traditional healer in the past four weeks was due to lack of money, which accounts for 73.49 percent, followed by being far from health facilities (12.27%).

Illness in the 12 months preceding the survey was about 22.27%, and regarding sex, 21.93 percent for men and 24.80 percent for women was reported.

The prevalence of chronic disease in 75 woreda of Tigray SES was 6.14 percent, and this magnitude was relatively higher for women (6.96%) than men (5.29%). The most prevalent type of chronic disease experienced was asthma in 76,666 people, followed by heart disease (74,093 people), hypertension (67,009), diabetes mellitus (29,151), and HIV/AIDS (22,792).

Law and Order

Respondents aged 7 years or more were asked whether or not they had experienced problems or disputes that may raise legal issues in the 12 months prior to the interview. Adapted from the Legal Australia survey, we categorize major legal issues into 12 categories, and each category comprises its own major sub-categories. The 12 major categories are: (1) crime (comprises of theft, fraud, threats, violence or sexual violence or abuse, looting, robbery, injuries, breach of trust, brawl, and rape); (2) legal problem or disputes to do with defective or undelivered goods or services; (3) community resources; (4) land or buying and selling property; (5) housing; (6) family; (7) Injury / illness; (8) employment / labour related ; (9) social protection; (10) abuse by state officials; (11) public services/administration; and (12) legal problem or disputes related to debt.

We analyzed data from 59,899 individuals aged 18 years or older. Overall, our survey result has shown that 4,312 (7.13 percent) respondents have experienced at least one legal problem or dispute in the 12-month reference period, with almost no variation per residency (6.72 percent in urban and 7.39 percent in rural). In other words, nearly 1 out of 10 individuals aged 18 or more have experienced problems or disputes that may raise legal issues.

Looking at the major categories of problems or disputes that may raise legal issues at the regional level, crimes tend to be the major problem (about 4 percent), followed by issues related to land (1.6 percent) and social protection (1.2 percent). While the third major problem is maintained its position per residency as well, the second major problem tends to vary per residency. While the second major problem in urban areas is found to be issues related with

housing (1.1 percent), issues related to land (2.1 percent) are found to be the second major problem in rural. For a detailed report, see Table 6.1.

Looking at the crime sub-categories, which is the major legal problem over the reference period of this survey, theft (35 percent), followed by threats (15 percent) and fraud (11 percent), are the major problems under the crime category. For a detailed report of the crime sub-category, see Table 6.1.

Agriculture and Allied Activities

Farming is one of the primary activities through which people sustain their livelihoods. Based on data from 75 woredas in the region, 46.34% of the householders were engaged in farming (Table 7.1). Of these, 28.26% were female householders.

In urban areas, only 7.9% of households were involved in farming either as a main or supplementary activity. This low percentage suggests the availability of alternative livelihood options in urban settings. Among the urban householders engaged in farming, 44.63% were female

In 75 Woreda of the total livestock holder households, have oxen (46%), poultries (27%), cow (26%), donkey (21%), goat (14%), calves (8%), sheep (6%), heifer (3%), young bull (3%), camel (1%), beehive (1%), mule (0.24%) and horse (0.03%).

Level of Poverty

The first step is to define the food poverty line by choosing a bundle of food typically consumed by the poor. We took the poorest 50% as reference household deemed to be typical of the poor. Next, we identified the food items commonly consumed by the reference household to constitute the food bundle. In this case, a total of 21 food items (appendix table 1) were chosen and their quantity is determined in such a way that the bundle supplies a predetermined level of minimum calorie requirement – 2200 Kcal. Having selected the bundle of goods, we then valued it using a median price for each food item in the basket based on internal price data. The same basket of food items is valued by the corresponding price in each year and each study site to determine the cost of consuming the reference basket of food items.

The head count index of the food poverty line for the 75 woredas was 64.5%, the rural households had 68.9% of the food head count index and the urban households account for 59.6%. table the total poverty head count index for the 75 woredas in the year 2016 (2024) was 61.59%, urban households had head count index of 54.28% while rural household had head count index of 68%.

Level of Employment and unemployment

The unemployment rate was calculated by dividing the number of unemployed persons by the number of active persons. The number of active persons was first calculated by adding the unemployed and employed persons. The persons who have no jobs and didn't search a job for three months prior to the survey period due to different reasons such as being students, disabled persons, pregnant women, old aged persons, pensioners, children … etc were grouped in to inactive persons.

The result of the survey indicated that urban unemployment rate is estimated to be 85.8% and rural unemployment rate was the rural unemployment rate was estimated to be 40.5%. Economic activity rate or economic participation rate is computed as the percentage of the economically active population over the total of active plus not active population aged ten years and above. Out of the population aged 10 years and above included in our survey the economic participation rate was estimated to be 51.1% & 67.4% in Urban and in Rural respectively.

Food security and Coping mechanism

all Woredas had positive scores during the study period; the median scores could have been higher if the score was coping strategy index; but the above scores are reduced ones for universal comparability reasons. According to this index, almost all woredas had to use coping strategies to cope with food insecurity. Both the median and the interquartile of most woredas are two-digit indicating high index of food insecurity; the problem looks more in Abergele, Tsaeda Emba, Hagereselam, Alaje, Egela, Asgede, and in IDP centers. In urban Ahferom woreda, we see that the interquartile range is zero showing that measures of coping strategy index are uniformly distributed there. Coping strategy index is only a secondary measure of food security; decisions regarding food security measures should mainly depend on other measures like dietary diversity and food frequency, food consumption score, household hunger scale etc.

Food shortage problem reportedly increase from February to January to December and all the way back to August. Also, the problem increases from April to May then to June and all the way forwards reaching the highest in August. Even the smallest figure which happened in February is big; about thirty-four thousand two hundred eighty-eight in urban and sixty-three thousand six hundred eighty two rural households reportedly faced shortage of food. In all months, rural figures are higher than urban ones.

Housing Ownership and Characteristics

About 59 percent of households live in houses they privately own. The rest live in rented houses (26 percent) or through other arrangements (15 percent). Looking at the place of residence, about 36 and 77 percent of households live in their own houses in urban and rural, respectively. In urban areas, about 50 percent of households live in rented houses.

We also drew that households are living in congested houses; about 56 percent of households live in a single room, 61 percent in urban areas, and 53 percent in rural areas.

What is more, about 42 percent of households do not have a kitchen, 47 percent in urban and 40 percent in rural areas.

Regionally, about 62 percent of households reported having unimproved toilet facilities; 91 percent in rural and 23 percent in urban areas. Similarly, 76 percent of households reported having no hand-washing facility, 90 percent in rural and 57 percent in urban areas.

Another striking case in point is that, regionally, about 45 percent of households reported throwing away solid-waste, 19 percent in urban and 62 percent in rural areas.

Asset Ownership

Based on socioeconomic survey conducted under the interim administration of Tigray showed that most owned household equipment was Jerikan (73.6%) followed by clay baker (39.4%), in 2024 G.C. About 73.6 percent of urban households and 23.6 percent of rural households own a wooden or metal bed. Other household durables often owned in urban areas, were chairs and tables, cupboard, sofa sets, and such kitchen items as electric mogogo, oven, kerosene stoves, and gas medija. In rural areas other most owned household equipment's were such as kettle or tea pot, clay pot and oven.

This survey reveals that rural households that own traditional farming tools such as traditional ploughing set (Mesarie), sickles, and mahresha were each owned around 40%. Other farm equipment each owned around 20% was hoe, axe and spade. Specifically, plowing set was the most owned agricultural equipment which was 41.4% and sickle (39.7%) and mahresha (39%) was the second and third most owned ones. About 0.4% of rural households had modern beehives and traditional beehives were owned in about 1.5 percent of households.

Access to Infrastructure

For road access to the nearest town, the analysis shows that the majority of Woredas have access via dry weather roads (183,326) and all-weather roads (974,595), indicating a significant reliance on dry weather roads, which are typically less reliable during adverse weather conditions. The total number of Woredas with "No Road Access" is relatively small (243,997), but still noteworthy, as it points to some areas with limited or no road infrastructure. These regions might face considerable challenges in terms of mobility and accessing essential services.

In terms of road material composition, the majority of Woredas have access via gravel roads (192,941), dirt tracks (451,338), or stones (140,562). This indicates that many regions still depend on roads that may not offer optimal conditions for all-year-round travel. Asphalt, tarmac, or concrete roads, which represent the highest quality and most durable road types, are less common, appearing in a smaller proportion across the regions, with a total of 581,424.

CHAPTER ONE

BACK GROUND AND METHODOLOGY

1.1 Organizational context

Tigray Statistics and Vital Events Registration Agency (TSVERA), formerly known as Tigray Statistics Agency (TSA), is established in 2017/18. It is Tigray government's technical agency commissioned to produce socioeconomic, geospatial and vital statistics, aimed to help better fast-tracking its resources, economy, society, and building both spatial and non-spatial statistical system up to its lower level of administration. It has got its current name in 2022 after Tigray Civil and Vital Events Registration and Authorization Agency and TSA were merged. It is located in Mekelle, and it has been regarded as one of the transformational organization in the region.

The agency's main objectives are to provide timely, trustworthy, quality and disaggregated local level statistical data through modernizing systems of data collection so that various intervention made by decision makers, planners, researchers, local and international development partners are evidence based. On top of this, the agency has the mandate to verify datasets whenever it is needed. The demand for data verification may come from the agency itself, the regional government as well as local and international NGOs, UN agencies, and other development partners. Our local level datasets have thus paramount importance for various stakeholders, where their tangible intervention would be based on reliable data and information.

In general, it is established in response to the ever-increasing demand for a detailed and disaggregated statistical and trustworthy administrative data in Ethiopia, both in magnitude and diversity, where Tigray Regional State becomes a pioneer state in establishing such a technical government agency. Its establishment was more pronounced due to the fact that local development has increasingly been recognized as a major dimension in developing countries socioeconomic development agenda in which the attainment of development objectives essentially rests on specific programmes and projects designed and implemented at regional, provincial, district or even village level. This is clearly reflected on the global development

agenda 2030 and its SDGs, which requires a disaggregated local level statistical data, particularly in ensuring its prime objective known as “No One is Left Behind” (NOLB).

1.2 Background of the Survey

Understanding a given economy’s socioeconomic situation, such as poverty, income, asset ownership, housing condition, occupation, education, health, and nutrition, is of paramount importance for proper planning, policy formulation, program and project design as well as evaluation of their implementation. Data and information on such indicators will help interventions of various stakeholders are evidence based, where this is more pronounced in situations like what is now in Tigray.

Tigray, one of the regional states in Ethiopia, was under siege and blockade since the war broke out in November 2020 up to November 2022, up until the Pretoria’s peace accord was signed between the government of Ethiopia and the Tigray People's Liberation Front. In November 02, 2020, both parties agreed to a "permanent cessation of hostilities" to end the Tigray War. Until then, it was obvious that Tigray and its people have passed through a miserable situation, in which it is still suffering as a result of the war’s various consequences. This survey is thus intended to produce data that depicts woreda and regional level socioeconomic situation of Tigray and its people so that the post-war reconstruction and other development efforts of various stakeholders are evidence based.

Before the war broke out, however, Tigray was in a promising sign of progress as a result of concerted efforts made by its people, regional and federal government as well as recognizable efforts of various development partners such as local and international NGOs and agencies under the UN family. Empirical evidences show that it has been registering higher rate of economic growth, which results in reducing poverty levels from 48.3% in 2004/05 to 27% in 2015/16 (CF: NPC, 2015/16). According to the Central Statistical Agency (CSA) annual report on agricultural sample survey of 2007/8 to 2020/21, it has also shown a continual increase in agricultural production and productivity.

But, while the main administrative layer as per the country’s decentralization policy is woreda and the different policy interventions are required to be implemented at this level of administration unit, most of the socio-economic surveys conducted in Ethiopia are regional level,

though it sometimes went down to zonal level. In other words, the woreda data is missing by the report of the CSA's surveys and TSA is established to fill this existing gap.

In this context, in 2018/19, manufacturing industry census conducted by the Tigray Statistics Agency (TSA) has indicated that there were a total of 5,685, of which 53 are large scale, 781 medium and 4,851 small scale manufacturing industries in Tigray (TSA, 2018/19). Furthermore, access to social and infrastructural service has also been improved. For instance, distance to school as a proxy to education access was substantially improved, allowing many children to get enrolled. In a pre-war education survey conducted by the Tigray Statistics Agency, the net enrolment rates for primary (1-8 grade) and secondary (9-12 grade) school were found to be 73.7% and 25.6%, respectively (TSA, 2020). Similarly, access to health services was also increased, where the majority (66.15%) of the population needs about 30 minutes travel to reach a health center (TBPF, 2018). Access to drinking water was also improved, where 93% of urban households and 47% of rural households had access to basic water drinking services (TSA, 2020). A statistical report on access to electricity has also shown that 97.3% urban households and 47.1% of rural households have access to electricity. Besides, the length of asphalt and gravel road, as a proxy measure of access to the road, has reached 2190 and 4114 Kilometers, respectively (TSA, 2019).

However, it is now obvious that things in Tigray will find to be dramatically changed as a result of the war and associated consequences. Like any kind of war, if not the magnitude is higher due to the unique nature of the Tigray war, the war has sustained devastating economic damage and loss, resulting in the destruction of infrastructure, disrupted access to education, healthcare, water, transport, etc. As a result of the war, almost all of the people in Tigray have lost their source of livelihoods, access to education, health services and social capital. It is also expected that the pre-war social and economic inequities in the region is now worsened.

Thus, while a comprehensive damage and loss assessment report is yet to be publicized by the respondent body, it is also imperative to investigate the current socio-economic profile of the region. In this context, this study aims to conduct baseline woreda /district / and regional level sample surveys relating to various socio-economic topics, such as household assets ownership, household food and non-food expenditure, household farm and nonfarm activities, human

capital, food security, housing conditions, household legal problems, access to basic and infrastructural services and other resources.

As a matter of fact, not only in the aftermath of war, the importance of local level data and local development efforts have increasingly been recognized as a major dimension in developing countries socioeconomic development agenda in which the attainment of development objectives essentially rests on specific programs and projects designed and implemented at regional, provincial, district or even village level. This is clearly reflected on the global development agenda 2030 and its SDGs, which requires a disaggregated local level statistical data, particularly in ensuring its prime objective known as "no one is left behind" in a any development process.

In general, baseline data/information in Tigray is now very important for a number of reasons. Among others, it will help: (1) to set realistic post-war reconstruction and development goals and to measure the progress towards them; (2) to inform and motivate stakeholders to pay attention to certain issues and increase their participation; (3) to provide baseline data that can be used to show policy makers and donors the need for a project and the potential impact that it can have; and (4) to shape expectations and communication strategies. In this context, the need for a baseline data for a post-war rehabilitation and reconstruction of Tigray is uncompromising, and various stakeholders are expected to collaborate. This can help policy makers and development partners to effectively mobilize resources and to formulate effective policies, plans, programs, and projects for the rehabilitation and reconstruction of Tigray as well as evaluation of their implementation so that interventions of various stakeholders are evidence based.

1.3Objective of the survey

1.3.1 General objective:

The general objective of the baseline data collection is to establish an information that provides socio-economic portrait of the region in general and woreda in particular.

1.3.2 Specific objectives

- To estimate poverty levels of the region,
- To examine income, sources of income and income distribution as well as expenditures of the households,

- To investigate employment patterns and productivity levels,
- To examine household asset ownership and wealth status,
- To assess the educational and health situation of the region,
- To collect information on legal problems and remedies,
- To examine access to basic social and infrastructural services, such as water supply, sanitation, road and transport.

1.3 Rationality of the Survey

As we mentioned in our background of the study, in any circumstances, understanding the socioeconomic situation of a given economy, such as poverty, income, asset ownership, housing condition, occupation, education, health, and nutrition, is of paramount importance for proper planning, policy formulation, program and project design as well as evaluation of their implementation. Data and information on such indicators helps interventions of various stakeholders are evidence based. This is more pronounced in situations like what is now in Tigray.

Given that Tigray is currently in the aftermath of a devastating war, and any kind of violent conflict unambiguously results various tragic consequences, producing post-war baseline socioeconomic data of the region has paramount importance for war impact assessment researches and rehabilitation and reconstruction interventions of various stakeholders are of evidence based. For instance, regardless of the duration and length of displacement, forced displacement in Tigray was as a rule, not as an exception. The corollary is that almost all of the people of Tigray have lost their source of livelihoods, access to education, health services and social capital. It is also expected that the war has worsened inequalities in the region.

Thus, the region is now in an ardent need of baseline data on various socioeconomic indicators. Despite the fact that the region has socioeconomic statistical survey data for the year 2018 and various woreda level surveys were conducted in 2019 and 2020, such as nutrition, WASH, household and school-based education, CBHI, child and maternal health surveys, an updated socioeconomic data is very crucial to undertake the rehabilitation and reconstruction of the

region. Especially, in the context of a ruined region like Tigray, where the role of governmental and non-governmental organizations is strongly needed, such type of data are very instrumental.

It is too clear that timely, accurate, and complete socioeconomic data provides the reality of wellbeing of the people at the grass root level, where this in turn will serve as an input for proper rehabilitation and reconstruction planning, prioritization and resource allocation as well as to create a sustained environment which promotes strong equitable development. It can especially be important to mobilize both multilateral and unilateral donors, citizens and other stakeholders to contribute to the post war rehabilitation and reconstruction efforts. It provides a valuable foundation for designing, implementing, and evaluating these efforts.

In a nutshell, the proposed baseline data will focus on understanding woreda and regional level socioeconomic situation in Tigray. This can help policy makers and development partners to effectively mobilize resources and formulate woreda and regional level effective plans, programs, and projects for the rehabilitation and reconstruction of Tigray and it will serve as a baseline for a follow-up welfare monitoring survey. It is thus in the highest possible consideration of the agency, Tigray Statistics and Vital Event Registration Agency (TSVERA), that producing timely and reliable socioeconomic post-war baseline data for all woredas is a timely decision and uncompromising. All stakeholders, be it government or nongovernment organizations, are thus needed to contribute their fair share in moving the initiative forward.

1.4 Scope and coverage

The survey covers all rural werdas and city administration of the region controlled by the interim regional administration. The survey is undertaken on sample of households taken from each wereda and administrative towns of the region. It is not a survey to evaluate specific government interventions in the region rather it is a base line socio-economic survey.

1.5 Source of data and data collection instrument

The study is based on both primary data and review of different government policy documents. Primary data was collected through interview.

Primary data

Most of the data required to answer and validate the research questions were collected from primary sources. To generate the required data from the primary sources, different methodological approaches such as in-depth interviews were employed. These techniques were used to collect data pertaining household demographic characteristics, main activity, asset ownership, income, crop production, household coping strategies, farm input use, food security status of households, consumption level, health and access to credit and public utilities.

1.6 Study Period

The survey was conducted from Megabit 2, 2016 E.C. (March, 11 2024) up to Megabit 30, 2016 (April 9, 2024), for about a month.

1.7 Survey Design

This research started with a literature review in relation to the objective of the survey. The review was carried out with the purpose of establishing a theoretical framework to fully understand the concepts of socioeconomic conditions of the region and ends with analyzing the data collected from all woredas and city administrations to know the socio-economic condition of the inhabitants of the region. The research is started with literature review related to the subject, proposal development, designing the research questionnaire, training of the enumerators, collecting the data, data cleaning and analyzing the data.

1.8 Training of interviewer and testing questionnaire and interview

In order to minimize the errors in data collection, training was provided to 344 enumerators and 70 supervisors for 5 days to ensure that the questionnaire was understood by the enumerators and supervisors. The questionnaire was digitalized and one-day training was given for enumerators and supervisors on how to use the software. This served as a demonstration to check the interviewers' understanding of the software, and how it is administered.

To make the data collection process smooth and reactive, each enumerator was assigned to collect 90 households and each enumerator was deployed to one tabia. One supervisor is assigned to control 5 enumerators but some supervisors are assigned to control more than five enumerators.

1.9 Sampling Design

The population of this survey is all households located in all Rural Woredas and urban administration of Tigray Regional State. The survey is designed to consider primary sampling unit (villages in rural area and ketenas in urban areas) and secondary sampling unit (households). The sampling frame for the primary sampling unit were list of villages in rural woredas and all lists of ketenas in urban administrations of the region. Then simple random sampling was employed to select villages from rural woredas and ketenas from urban areas.

1.10 Sample Size determination

All rural and urban woredas of the region will be covered by the survey but tabias (keblles) will be selected randomly from each woreda. Here woreda is the lowest domain in the selection of households and the formula developed by (Cochran, 1977) will be employed to determine the sample size from each domain.

The formula is given by:

$$n_h = \frac{Z\alpha/2^2 p(1-p) Deff}{e^2 RR}$$

n_h = sample size of a survey domain –woreda in this case

Deff= design effect which is considered to be 1.25, because we will consider two stage sampling;

$\boldsymbol{Z\alpha/2}$=the abscissa of the normal curve which is 1.96 with 95% confidence level

D= is the margin of error, in this case we will take 0.05.

p= is the proportion of a population that have a particular proportion, here we took the proportion of the population living below absolute poverty as an indicator to estimate the proportion. In the pre-war baseline socio-economic survey for the region, it was reported that 29% of the population was living below the absolute poverty threshold;

RR= we assume 98% response rate of the sampled household.

Using the above formula, 404 households were sampled from a survey domains (woreda).

1.11 Sample size and allocation

Since the domain or strata sizes are different, a power allocation with an appropriate power value will be used to guarantee sufficient sample size in small strata. When domains differ in size and when both regional and sub-regional domain estimates are required, some compromise between equal allocation and equal sampling fractions is required. So, power allocation (Bankier 1988) method provides better precise estimates at woreda and regional level for this survey.

A power value of 1, gives proportional allocation, while a power value of 0, gives equal size allocation, and a power value between 0 and 1 gives an allocation between proportional and equal allocation. In this case, the small domains will be oversampled compared with a proportional allocation. Oversampling some small domains is frequently necessary if domain-level tabulation and precision are required.

$$\mathbf{n_h}=\boldsymbol{n} * \frac{Mh^{\alpha}}{\sum_h^H Mh^{\alpha}}$$

where;

M= total household of strata

n=total number of sample size

α=power value

h=strat**a**

H=number of strata

Using the above formula, the following table shows allocation of households to each woreda'

The power value takes a value between 0 and 1. The sample has the equal size if it takes 0, it takes 1 when the sample is highly dispersed. In our case we took 0.15 and the share of each woreda is shown in the following table.

Table 0-1 sampled households from each woreda by place of residence

No.	Woreda	Actual Sampled households			Planned sampled households			Response rate
		urban	Rural	total	Urban	Rural	Total	
1	Tsimbila	0	403	403	0	405	405	99.51%
2	Endabguna	360	0	360	360	0	360	100.00%

No.	Woreda	Actual Sampled households			Planned sampled households			Response
3	Asgede	0	360	360	0	405	405	88.89%
4	Tahtay Adyabo	0	405	405	0	405	405	100.00%
5	Sheraro	403	0	403	405	0	405	99.51%
6	Maekel Adyabo	0	357	357	135	225	360	99.17%
7	Seymti Adyabo	0	357	357	0	360	360	99.17%
8	Aidaero	126	257	383	135	270	405	94.57%
9	tahtay Koraro	45	346	391	45	405	450	86.89%
10	Shire Endaselassie	444		444	450	0	450	98.67%
11	Zana	45	360	405	45	360	405	100.00%
12	Laelay koraro	89	315	404	90	315	405	99.75%
13	Chila	45	359	404	45	360	405	99.75%
14	Tahtay maichew	125	269	394	135	270	405	97.28%
15	Adet	45	405	450	45	405	450	100.00%
16	Laelay Maichew	0	399	399	0	405	405	98.52%
17	Axum town	436		436	450	0	450	96.89%
18	Neader	0	405	405	0	405	405	100.00%
19	Kola temben	0	405	405	0	405	405	100.00%
20	Abegele	90	315	405	90	315	405	100.00%
21	Tanqua milash	0	360	360	0	360	360	100.00%
22	Abiadi	405		405	405	0	405	100.00%
23	Keyih tekli	13	359	372	0	405	405	91.85%
24	Mai kinetal	77	288	365	90	315	405	90.12%
25	Endabatsehama	0	400	400	135	270	405	98.77%
26	Embasineyti	89	315	404	90	315	405	99.75%
27	Hahayle	89	314	403	90	315	405	99.51%
28	Wereda Adwa		449	449	0	450	450	99.78%
29	Adwa town	447		447	450	0	450	99.33%
30	Rama	126	225	351	135	225	360	97.50%
31	Ahsea	0	358	358	0	360	360	99.44%
32	Egela	90	264	354	90	270	360	98.33%
33	Ahferom	45	405	450	45	405	450	100.00%
34	Enticho town	358	0	358	0	360	360	99.44%
35	Bizet	88	271	359	90	270	360	99.72%

No.	Woreda	Actual Sampled households			Planned sampled households			Response
36	Gulomekeda	41	356	397	45	360	405	98.02%
37	Erob	90	266	356	90	270	360	98.89%
38	Subha sasei	0	397	397	0	405	405	98.02%
39	Edaga hamus	356	0	356	360	0	360	98.89%
40	Ganta afeshum	0	403	403	0	405	405	99.51%
41	Adigrat	449	0	449	450		450	99.78%
42	Wereda Hawzen	0	426	426	0	450	450	94.67%
43	Hawzen	357		357	360		360	99.17%
44	Tsaeda Emab		397	397	0	405	405	98.02%
45	Freweini town	343		343	360		360	95.28%
46	Atsbi	0	404	404	0	405	405	99.75%
47	Atsbi town	358	0	358	360	0	360	99.44%
48	Tsirae wemberta	177	270	447	180	270	450	99.33%
49	Wukro	396	0	396	405		405	97.78%
50	Kilte Awlaelo	0	389	389	0	405	405	96.05%
51	Gerealta	0	355	355	0	360	360	98.61%
52	Degua temben	0	403	403	0	405	405	99.51%
53	Hagereselam	358	0	358	360	0	360	99.44%
54	Enderta	0	414	414	0	450	450	92.00%
55	Seharti	44	361	405	45	360	405	100.00%
56	Samre	90	311	401	90	315	405	99.01%
57	Hintalo	45	400	445	45	405	450	98.89%
58	Adigudem	380		380	360	0	360	105.56%
59	Wajirat	0	355	355	0	405	405	87.65%
60	Ayder	450	0	450	450	0	450	100.00%
61	Semen	448	0	448	450	0	450	99.56%
62	Quiha	450	0	450	450	0	450	100.00%
63	Kedamay Weyane	404	0	404	450	0	450	89.78%
64	Hawelti	436	0	436	450	0	450	96.89%
65	Adi Haki	443	0	443	450	0	450	98.44%
66	Hadnet	442	0	442	450	0	450	98.22%
67	Emba Alaje	135	270	405	135	270	405	100.00%
68	Selewa	0	360	360	0	360	360	100.00%

No.	Woreda	Actual Sampled households			Planned sampled households			Response
69	Bora	0	315	315	0	360	360	87.50%
70	Neqsege	0	360	360	0	360	360	100.00%
71	Enda mekoni	45	360	405	45	360	405	100.00%
72	Maichew	405	0	405	405	0	405	100.00%
73	Mekoni town	339	0	339	360	0	360	94.17%
74	Raya Azebo	0	401	401	0	405	405	99.01%
75	Raya Chercher	43	359	402	45	360	405	99.26%
76	IDP	0	0	539	0	0	540	99.81%
	Total	**11603**	**18074**	**30200**	**11700**	**18585**	**30285**	**99.72%**

1.12 Data analysis and estimation

After collecting the data, the next step is data processing and analyzing. Processing involves editing, coding and cleaning the data. The data will be edited at field level by the supervisor and at office before the data is prepared for analysis. Then finally analysis and report writing will be followed.

Poverty will be analyzed using the widely used Foster-Greer-Thorbecke (FGT) measure of poverty. The poorest 40% in the sample data will be identified as the reference households and the food items consumed by these reference households will be considered to constitute the food bundle. The quantities of the selected food bundles will be determined in such a way that the bundle supplies a predetermined level of minimum calorie requirement-2200Kcal per person per day. Local price will be used to determine the money value of the food bundle. The selected food items valued by their corresponding prices give food poverty line for the region.

The non-food share is estimated by regressing the share of total expenditure devoted to food(s) of each household i on a constant and the log of the ratio of consumption expenditure to the food poverty line.

(1) $$S_i = \alpha + \beta \log\left(\frac{Y_i}{Z^f}\right) + \varepsilon_i$$

The value of the intercept α estimates the average food share of those households that can just afford the food bundle, i.e. those households whose expenditure equals the food poverty line ($Y_i = Z^f$). The poverty line is given by

$Z = Z^f (2-\alpha)$

CHAPTER TWO

HOUSEHOLD AND DEMOGRAPHIC CHARACTERISTICS

2.1 Gender and Sex composition

Table 2-1 above shows gender and place of residence of households, in the 75 woredas covered by the survey 34.24 of households were female headed households while the remaining 54.95% of the households were headed by male. When we look to the place of residence, more (41.39%) households in urban areas were headed by female and 28.84% of the households were headed by male. In the IDP camps, 54.95% of the households were headed by male and 45.05% were headed by female.

Table 2-1 Population distribution by age categories

Characteristics	Urban	Rural	Total	IDP
Sex				
Male	58.61%	71.16%	65.76%	54.95%
Female	41.39%	28.84%	34.24%	45.05%
Age Structure				
Under five	4.90%	7.26%	12.16%	12.73%
5-9 years	4.48%	7.88%	12.36%	16.77%
10-14 years	3.62%	8.03%	11.65%	15.74%
15-19 years	3.92%	8.05%	11.97%	15.89%
20-24 years	3.53%	5.53%	9.07%	7.25%
25-29 years	3.86%	4.63%	8.50%	7.18%
30-34 years	3.10%	3.05%	6.15%	5.03%
35-39 years	2.99%	3.08%	6.06%	4.86%
40-44 years	1.85%	2.29%	4.14%	3.95%

Characteristics	Urban	Rural	Total	IDP
45-49 years	1.52%	2.27%	3.79%	2.90%
50-54 years	1.06%	2.23%	3.28%	2.31%
55-59 years	0.82%	1.73%	2.55%	1.49%
60-64 years	0.70%	1.53%	2.22%	0.96%
65-69 years	0.70%	1.39%	2.09%	1.37%
70-74 years	0.49%	1.07%	1.57%	0.89%
75-79 years	0.33%	0.76%	1.10%	0.38%
above 80	0.43%	0.91%	1.33%	0.28%
	38.31%	61.69%	100.00%	100.00%

Table 2-1 shows the age structure of the population of the 75 woredas covered by the survey, as it can be seen from the table above 38% of the urban population was between the age of 15 and 30 years and 34% of the urban population was between the age of 15 and 30 years. Over all 35% of the population in the surveyed woredas was between the age of 15 and 30 years.

2.2 Family size and marital status

Table 0-2 Distribution of households by family size and place of residence

	Place of residence			
Family size	**Urban**	**Rural**	**Total**	**IDP**
1	1.04%	1.22%	2.27%	1.46%
2	3.04%	3.18%	6.22%	2.41%
3	6.14%	6.14%	12.27%	9.69%
4	8.63%	8.66%	17.28%	14.88%
5	7.76%	9.60%	17.00%	18.05%
6	5.63%	9.93%	16.00%	21.72%
7	3.32%	9.02%	12.00%	17.65%
8	1.56%	7.12%	9.00%	11.45%
9	0.88%	3.99%	5.00%	2.09%
10	0.16%	2.04%	2.20%	0.13%
11	0.08%	0.58%	0.66%	0.49%
12	0.06%	0.15%	0.21%	0.00%
13	0.06%	0.00%	0.06%	0.00%

14	0.01%	0.01%	0.01%	0.00%

The mean household size of the surveyed woredas was 4.28 of which 3.8 was for urban areas and 4.6 was for rural areas. As can be seen from table 2-2 above, in rural areas 16% of the households have a family size of 6 and 15% of the households have family size of 5, this indicates that 30% of the households have a family size of 5 and 6. In urban areas 22% of the households have family size of 4 and 20% of the households have family size of 4.

Table 0-3 Marital status of households by place of residence and woreda

Characteristic	Never married	Married	Divorced	Separated	Widowed	Living together	Other	Total
Place of residence								
urban	44.90%	39.20%	7.40%	2.30%	5.70%	0.30%	0.20%	100.00%
Rural	48.80%	40.60%	4.10%	1.00%	5.00%	0.20%	0.20%	100.00%
Total	47.50%	40.10%	5.30%	1.50%	5.20%	0.30%	0.20%	100.00%
Woreda								
Tsimbila	51.10%	42.00%	2.90%	0.80%	2.70%	0.10%	0.40%	100.00%
Endabguna	39.10%	42.30%	10.60%	1.00%	5.90%	0.60%	0.40%	100.00%
Asgede	45.30%	43.50%	4.80%	1.70%	4.70%	0.00%	0.10%	100.00%
Tahtay Adyabo	47.20%	39.40%	7.20%	0.30%	5.70%	0.20%	0.10%	100.00%
Sheraro	43.60%	42.10%	6.70%	2.80%	4.30%	0.20%	0.30%	100.00%
Maekel Adyabo	44.10%	40.00%	7.10%	3.90%	4.40%	0.20%	0.30%	100.00%
Seymti Adyabo	48.80%	41.60%	4.60%	0.30%	4.70%	0.10%	0.00%	100.00%
Aidaero	42.40%	44.70%	7.30%	1.00%	4.30%	0.20%	0.10%	100.00%
tahtay Koraro	47.20%	41.50%	3.80%	0.60%	6.70%	0.10%	0.20%	100.00%
Shire Endaselassie	49.50%	33.30%	9.00%	1.80%	6.10%	0.30%	0.00%	100.00%
Zana	44.80%	44.40%	3.80%	0.60%	6.40%	0.00%	0.10%	100.00%

Laelay koraro	43.10%	41.70%	5.40%	1.00%	5.80%	1.90%	1.20%	100.00%
Chila	46.00%	41.70%	7.30%	1.60%	3.20%	0.10%	0.10%	100.00%
Tahtay maichew	45.90%	42.90%	4.70%	1.50%	5.00%	0.00%	0.00%	100.00%
Adet	45.20%	45.20%	4.60%	0.40%	4.30%	0.10%	0.20%	100.00%
Laelay Maichew	49.70%	40.60%	3.90%	0.10%	5.30%	0.10%	0.20%	100.00%
Axum town	48.30%	38.40%	4.10%	2.60%	6.50%	0.00%	0.20%	100.00%
Neader	49.80%	39.80%	2.20%	0.90%	7.30%	0.00%	0.00%	100.00%
Kola temben	48.90%	42.60%	3.40%	0.90%	4.30%	0.00%	0.00%	100.00%
Abegele	45.90%	47.10%	2.60%	0.80%	3.10%	0.00%	0.60%	100.00%
Tanqua milash	51.10%	38.90%	3.30%	1.10%	5.40%	0.00%	0.10%	100.00%
Abiadi	42.00%	45.00%	4.50%	2.80%	5.60%	0.00%	0.10%	100.00%
Keyih tekli	41.50%	49.10%	4.80%	0.20%	3.70%	0.10%	0.60%	100.00%
Mai kinetal	51.40%	37.60%	4.70%	1.30%	4.60%	0.30%	0.10%	100.00%
Endabatsehama	49.60%	39.80%	4.20%	1.20%	4.90%	0.20%	0.10%	100.00%
Embasineyti	50.20%	35.00%	6.80%	1.20%	6.60%	0.20%	0.00%	100.00%
Hahayle	50.70%	36.40%	5.30%	1.90%	5.10%	0.10%	0.30%	100.00%
Wereda Adwa	51.10%	39.50%	3.40%	0.70%	4.30%	0.00%	1.00%	100.00%
Adwa town	46.60%	35.50%	7.90%	2.50%	7.30%	0.10%	0.20%	100.00%
Rama	42.30%	45.70%	6.10%	1.10%	4.60%	0.00%	0.20%	100.00%
Ahsea	46.80%	42.30%	2.90%	1.30%	6.50%	0.00%	0.10%	100.00%
Egela	47.20%	41.40%	3.60%	1.60%	5.70%	0.10%	0.40%	100.00%
Ahferom	51.10%	35.90%	5.30%	1.10%	6.50%	0.10%	0.10%	100.00%
Enticho town	43.60%	36.00%	10.60%	1.80%	7.00%	0.60%	0.40%	100.00%
Bizet	46.30%	38.10%	5.90%	2.40%	7.20%	0.00%	0.00%	100.00%
Gulomekeda	47.00%	39.20%	4.60%	1.70%	7.20%	0.00%	0.30%	100.00%
Erob	55.40%	30.60%	3.40%	2.90%	5.80%	0.00%	1.90%	100.00%
Subha sasei	47.60%	40.00%	3.50%	3.50%	5.20%	0.10%	0.10%	100.00%

Edaga hamus	47.50%	35.60%	8.10%	3.60%	5.00%	0.30%	0.00%	100.00%
Ganta afeshum	50.20%	35.10%	6.40%	0.90%	7.50%	0.00%	0.00%	100.00%
Adigrat	45.40%	37.80%	7.00%	3.00%	6.80%	0.00%	0.00%	100.00%
Wereda Hawzen	50.30%	37.50%	3.70%	1.80%	6.50%	0.20%	0.00%	100.00%
Hawzen	44.40%	38.50%	8.60%	3.30%	5.20%	0.00%	0.00%	100.00%
Tsaeda Emab	51.00%	35.50%	4.30%	2.60%	5.20%	1.00%	0.30%	100.00%
Freweini town	44.10%	36.40%	11.90%	0.80%	6.10%	0.50%	0.20%	100.00%
Atsbi	51.50%	32.10%	5.20%	1.00%	5.00%	4.90%	0.20%	100.00%
Atsbi town	39.80%	45.10%	6.60%	4.20%	4.00%	0.20%	0.00%	100.00%
Tsirae wemberta	46.10%	40.30%	5.30%	1.30%	7.00%	0.00%	0.00%	100.00%
Wukro	39.80%	44.00%	9.90%	0.30%	5.20%	0.30%	0.50%	100.00%
Kilte Awlaelo	51.70%	37.00%	4.60%	0.80%	5.90%	0.00%	0.10%	100.00%
Gerealta	50.60%	40.80%	2.90%	0.70%	4.90%	0.10%	0.20%	100.00%
Degua temben	46.80%	43.50%	4.20%	0.40%	5.10%	0.00%	0.00%	100.00%
Hagereselam	45.10%	38.90%	8.40%	2.60%	4.70%	0.10%	0.10%	100.00%
Enderta	50.10%	39.30%	5.10%	0.30%	4.90%	0.20%	0.00%	100.00%
Seharti	50.10%	43.50%	1.60%	0.60%	4.10%	0.10%	0.00%	100.00%
Samre	52.20%	37.60%	4.60%	0.50%	4.60%	0.50%	0.10%	100.00%
Hintalo	55.40%	34.50%	3.60%	1.10%	5.10%	0.10%	0.20%	100.00%
Adigudem	45.40%	39.10%	6.30%	2.10%	6.80%	0.30%	0.00%	100.00%
Wajirat	53.90%	34.70%	5.70%	0.70%	5.00%	0.00%	0.10%	100.00%
Ayder	45.70%	40.40%	5.70%	2.70%	5.10%	0.30%	0.10%	100.00%
Semen	44.80%	40.40%	4.40%	3.00%	6.90%	0.20%	0.20%	100.00%
Quiha	43.70%	44.30%	5.30%	2.00%	4.20%	0.40%	0.00%	100.00%
Kedamay Weyane	51.40%	29.80%	7.00%	2.90%	7.30%	1.10%	0.50%	100.00%
Hawelti	49.00%	38.90%	5.50%	2.70%	3.90%	0.10%	0.00%	100.00%
Adi Haki	45.90%	42.70%	4.40%	2.40%	4.70%	0.00%	0.00%	100.00%

Hadnet	50.00%	36.70%	4.70%	2.80%	5.70%	0.20%	0.00%	100.00%
Emba Alaje	46.70%	43.20%	5.60%	0.90%	3.60%	0.10%	0.10%	100.00%
Selewa	48.70%	42.80%	3.70%	0.20%	4.40%	0.10%	0.00%	100.00%
Bora	42.60%	50.10%	3.80%	0.30%	2.70%	0.40%	0.10%	100.00%
Neqsege	46.30%	47.30%	4.10%	0.30%	1.80%	0.10%	0.20%	100.00%
Enda mekoni	47.10%	40.20%	7.40%	0.60%	4.30%	0.20%	0.20%	100.00%
Maichew	44.30%	38.30%	7.60%	1.50%	6.90%	0.40%	1.10%	100.00%
Mekoni town	39.90%	45.70%	8.60%	0.50%	5.20%	0.00%	0.00%	100.00%
Raya Azebo	48.00%	42.40%	4.30%	1.40%	3.70%	0.10%	0.10%	100.00%
Raya Chercher	41.40%	46.90%	5.20%	0.90%	5.10%	0.30%	0.30%	100.00%
IDP	56.95%	30.42%	4.97%	3.05%	4.54%	0.03%	0.05%	100%
Total	**47.50%**	**40.10%**	**5.30%**	**1.50%**	**5.20%**	**0.30%**	**0.20%**	**100.00%**

The above table shows the marital status of household members in the surveyed woredas, 47.5% of members of the households were never married. This shows us that majority of the population were young ages and 40% of members of the households were married.

2.3 Religion and ethnicity

Table 0-4: Distribution of households Ethnicity and religion by place of residence

Characteristic	**Place of residence**			
	Urban	**Rural**	**Total**	**IDP**
Ethnicity				
Tigray	37.84%	61.09%	98.94%	99.72%
Kunama	0.03%	0.11%	0.14%	0.09%
Erob	0.32%	0.39%	0.71%	0.09%
Amhara	0.10%	0.01%	0.11%	0.10%

Afar	0.00%	0.08%	0.09%	0.00%
Agaw	0.01%	0.00%	0.01%	0.00%
Others	0.01%	0.00%	0.01%	0.00%
Total	38.31%	61.69%	100.01%	100.00%
Religion				
Orthodox	35.88%	60.46%	96.34%	99.18%
Catholic	0.25%	0.11%	0.36%	0.35%
Protestant	0.04%	0.01%	0.05%	
Muslim	2.13%	1.11%	3.24%	0.47%
Traditional	0.00%	0.00%	0.01%	
Other	0.0000%	0.0003%	0.0003%	

98.9% of the households were ethnic Tigrayans followed by Erob, Kunama and Amhara and 96.34% of the inhabitants of the woredas were Orthodox Christians followed by Muslims which account 3.24% of the inhabitants of the woredas.

CHAPTER THREE

MIGRATION

3.1 Introduction

Migration is defined as a move from one area to the other during a given interval time. Such movement must involve crossing a recognized administrative boundary. The area from which a move is made is the area of origin (previous place of residence), whereas the area in which a move terminates is the area of destination (current place of residence). Migration movement can be internal or across international boundary.

A migratory move that involves the crossing of a national boundary is referred to as international migration. The person who did the movement is called an emigrant, from the perspective of his/her country of origin and an immigrant from that of the country of destination. However, when the origin and destination of a specific migratory move are in the same country the move is regarded as an internal migration irrespective of the distance covered. In internal migration the person who migrates from a particular place is referred to as an out-migrant from that area and as an in-migrant in the area of destination.

Further, migrant is a person who changes his or her usual place of residence by crossing an administrative boundary and residing in a new area for a specified period of time.

3.2 Internal Migration

Internal migration is the movement of people with in a country or state, involving the establishment of a new temporary or permanent residence. Being a component or factor of population dynamics, internal migration plays a fundamental role in the rapid growth of mega cities (Henderson, V.2002). Moreover; migration has an association with other demographic factors as well as other aspects of social and economic changes. Hence, there is a need to understand the magnitude and characteristics of internal migration in order to find ways to include in the development plans at large. The migration section of the 2024 TSES of Tigray was designed mainly to provide data (information) on internal migration.

Every person in the sampled households was asked how long he/she has lived continuously in the current place of residence. Based on the type of place of residence i.e urban or rural areas, different meanings and criteria are set to define migration or a person as a migrant. Therefore, it is necessary and mandatory to understand the meanings and criteria used to define the term migration or a migrant person for both urban and rural settings. Hence the detail on the meaning and criteria used to define internal migration for both rural and urban areas are different and given as follows.

A) **<u>In Rural Areas</u>**

A person is considered to be a migrant during the time of the survey if he/she is found to have crossed the defined boundary of the "woreda " where he/she was previously residing. Moreover, even though the person doesn't cross the boundary of the woreda but found to have shifted his/her usual place of residence from a given rural kebelle to an urban area the same woreda during the time of the survey, he/she will be taken as a migrant. Nonetheless, an individual is not regarded as a migrant in condition where a person is found to have changed his/her usual place of residence from a given rural kebelle or former association to another rural kebelle of the same woreda.

In addition to the above criteria, the following cases have to be considered to identify whether an individual is a migrant or not, in rural settings.

1) Whether the person decides to return back or stay where he/she is, if the individual reports that the length of duration from the period he/she left the woreda where he/she previously residing to the time of the survey is six months or more, he/she will be considered as a migrant.
2) Even though the length of duration from the individual left the woreda where he/she previously residing to the time of the survey is less than six months and if he/she has no any intention to return back to his/her previous place of residence (woreda), the person will be considered as a migrant.
3) However, the person will not be considered as a migrant if the length of duration from the period the individual left the woreda where he/she previously residing to the time of the survey is less than six months and he/she has decided to return back to his/her previous place of residence(woreda).

B) **In Urban Areas**

In urban areas a person will be considered as a migrant if the individual fulfills the following criteria.

1) The person is a migrant if the individual comes from any other urban or rural dwellings of the region or if his/her previous usual place of residence was any urban areas the same woreda or another woreda and the length of duration from the period he/she left his/her previous place of residence to the time of the survey is six months or more.
2) Even though the length of duration from the period the individual left his/her previous place of residence to the time of enumeration is less than six months and if he/she has no any intention to return back to his/her previous place of residence, the person will be taken as a migrant.
3) However, the person will not be considered as a migrant if the length of duration from the period the individual left his/her previous place of residence to the time of the enumeration is less than six months and he/she has decided to return back to his/her previous place of residence.

However, a person is **non-migrant** if he/she was **born** in rural area of enumeration or in a given town and has been **continuously residing** there up to enumeration (survey) period.

3.2.1 Status of internal migration

In Tigray 30.2 percent of the population (not including all woredas) are migrants in TSES 2024. Females tend to migrate more frequently than males, given that 26.5 percent of males are migrants compared to 33.8 percent of females. Table 3-1 shows that almost three-fourth of the internal migrants were aged 15-39. This shows that most migrants are in the production age-group (i.e. age 15-64). Based on residence choice, migrants move more to the urban areas (49.2 percent) than to rural areas (18.6 percent). When it includes IDPs live in camps the migrant population in Tigray raises to 38.9 percent. For more detail information on internal migration see table 3-2 below.

Table 0-1 All regional in-migrants by age group, sex and residence: TSES 2024.

All age group & Sex	Total population			Total number of In-migrants			Percentage In -migrants		
	Urban	Rural	Total	Urban	Rural	Total	Urban	Rural	Total
0-4									
Male	149,878	223,422	373,300	31,607	15,005	46,612	21.1	6.7	12.5
Female	141,178	208,722	349,900	33,062	14,017	47,079	23.4	6.7	13.5
Total	291,056	432,144	723,200	64,669	29,022	93,691	22.2	6.7	13
5-9									
Male	133,823	242,662	376,484	46,850	22,333	69,182	35	9.2	18.4
Female	131,856	226,371	358,226	44,600	20,847	65,447	33.8	9.2	18.3
Total	265,678	469,032	734,710	91,450	43,180	134,630	34.4	9.2	18.3
10-14									
Male	107,295	248,776	356,071	41,194	25,596	66,790	38.4	10.3	18.8
Female	107,095	229,232	336,328	43,047	24,287	67,334	40.2	10.6	20
Total	214,391	478,008	692,399	84,241	49,883	134,124	39.3	10.4	19.4
15-19									
Male	108,494	251,393	359,887	44,920	27,194	72,113	41.4	10.8	20
Female	123,987	227,825	351,812	56,944	28,381	85,325	45.9	12.5	24.3
Total	232,481	479,218	711,699	101,864	55,574	157,438	43.8	11.6	22.1
20-24									
Male	84,344	169,424	253,768	36,619	18,781	55,400	43.4	11.1	21.8
Female	124,188	159,786	283,974	70,448	35,605	106,053	56.7	22.3	37.3
Total	208,532	329,210	537,742	107,067	54,386	161,453	51.3	16.5	30
25-29									
Male	89,273	133,764	223,037	46,720	20,460	67,179	52.3	15.3	30.1
Female	138,559	141,219	279,779	90,394	45,026	135,419	65.2	31.9	48.4
Total	227,833	274,983	502,816	137,113	65,485	202,599	60.2	23.8	40.3
30-34									
Male	78,989	86,726	165,715	46,878	17,711	64,589	59.3	20.4	39
Female	102,150	93,675	195,824	68,850	33,811	102,660	67.4	36.1	52.4
Total	181,139	180,400	361,539	115,727	51,522	167,249	63.9	28.6	46.3

All age group & Sex	Total population			Total number of In-migrants			Percentage In -migrants		
35-39									
Male	81,108	82,713	163,821	52,028	22,608	74,636	64.1	27.3	45.6
Female	93,310	99,583	192,893	62,563	37,559	100,122	67	37.7	51.9
Total	174,418	182,296	356,714	114,592	60,166	174,758	65.7	33	49
40-44									
Male	51,302	63,194	114,496	35,086	16,105	51,191	68.4	25.5	44.7
Female	55,631	72,769	128,399	36,691	28,461	65,151	66	39.1	50.7
Total	106,932	135,963	242,895	71,777	44,565	116,342	67.1	32.8	47.9
45-49									
Male	44,390	58,718	103,108	29,615	16,695	46,310	66.7	28.4	44.9
Female	44,014	75,854	119,867	26,922	31,173	58,096	61.2	41.1	48.5
Total	88,403	134,572	222,975	56,537	47,869	104,406	64	35.6	46.8
50-54									
Male	30,237	62,917	93,154	21,085	16,779	37,864	69.7	26.7	40.6
Female	30,781	69,368	100,150	19,315	25,898	45,214	62.7	37.3	45.1
Total	61,019	132,285	193,304	40,401	42,677	83,078	66.2	32.3	43
55-59									
Male	21,685	50,410	72,095	14,287	14,681	28,968	65.9	29.1	40.2
Female	25,727	52,450	78,177	14,752	21,371	36,124	57.3	40.7	46.2
Total	47,412	102,860	150,272	29,040	36,052	65,091	61.2	35	43.3
60-64									
Male	17,167	42,823	59,990	12,236	11,557	23,793	71.3	27	39.7
Female	22,562	47,475	70,037	14,570	17,505	32,074	64.6	36.9	45.8
Total	39,730	90,298	130,027	26,805	29,062	55,867	67.5	32.2	43
65+									
Male	44,801	135,348	180,149	27,459	34,501	61,960	61.3	25.5	34.4
Female	66,639	109,832	176,472	38,098	38,266	76,364	57.2	34.8	43.3
Total	111,440	245,181	356,621	65,557	72,768	138,324	58.8	29.7	38.8
All ages									
Male	1,042,786	1,852,289	2,895,075	486,584	280,005	766,589	46.7	15.1	26.5
Female	1,207,678	1,814,161	3,021,839	620,256	402,206	1,022,462	51.4	22.2	33.8
Total	2,250,464	3,666,450	5,916,914	1,106,839	682,211	1,789,050	49.2	18.6	30.2
IDPs live in camps									

All age group & Sex	Total population			Total number of In-migrants			Percentage In -migrants		
Male	-	-	436,958	-	-	412,960	-	-	94.5
Female	-	-	470,097	-	-	454,887	-	-	96.8
IDPs Total	-	-	907,055	-	-	867,847	-	-	95.7
All Total (with IDPs)	-	-	6,823,969	-	-	2,656,897	-	-	38.9

3.2.2 In-migration by woredas

In-migrants by woreda also indicate that Hadinet sub city is the largest migrant destination area (74.8%), Enticho Town is the second (67%) and Semen sub city is the third (66.3%). Similarly, the least migrants' destination woredas are Neqsege (0.9%) and the second is Bora (1.5%). For more detail see table 3-2.

Table 0-2 All in-migrants and non-migrants by woreda, sex and percent: TSES 2024 (Without IDPs live in camps)

Woreda	Number of In-migrants			Number of Non migrants			All total population			Percentage of In-migrants		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Tsimbila	22,577	24,766	47,343	27,193	15,977	43,170	49,770	40,743	90,514	45.4	60.8	**52.3**
Endabguna	6,458	8,821	15,279	12,735	14,326	27,060	19,193	23,146	42,339	33.6	38.1	**36.1**
Asgede	23,192	21,931	45,123	27,253	24,182	51,434	50,445	46,113	96,558	46	47.6	**46.7**
Tahtay Adyabo	13,193	13,618	26,811	47,057	46,956	94,013	60,250	60,574	120,824	21.9	22.5	**22.2**
Sheraro	5,335	6,874	12,209	13,356	11,852	25,208	18,691	18,726	37,417	28.5	36.7	**32.6**
Maekel Adyabo	2,102	3,137	5,239	21,457	21,248	42,705	23,559	24,385	47,944	8.9	12.9	**10.9**
Seymti Adyabo	480	2,468	2,948	24,168	24,549	48,717	24,648	27,017	51,665	1.9	9.1	**5.7**
Aidaero	22,764	36,765	59,529	74,537	60,580	135,117	97,301	97,345	194,646	23.4	37.8	**30.6**
tahtay Koraro	8,259	14,324	22,584	48,545	42,091	90,636	56,804	56,415	113,219	14.5	25.4	**19.9**

Woreda	Number of In-migrants			Number of Non migrants			All total population			Percentage of In-migrants		
Shire Endaselassie	30,194	38,446	68,641	41,916	52,870	94,785	72,110	91,316	163,426	41.9	42.1	**42**
Zana	9,062	14,579	23,641	33,664	26,910	60,574	42,726	41,490	84,215	21.2	35.1	**28.1**
Laelay koraro	18,056	20,348	38,403	43,857	39,737	83,594	61,913	60,085	121,997	29.2	33.9	**31.5**
Chila	1,442	1,361	2,803	26,928	26,953	53,882	28,370	28,315	56,685	5.1	4.8	**4.9**
Tahtay maichew	16,614	22,049	38,663	36,168	33,444	69,612	52,782	55,493	108,274	31.5	39.7	**35.7**
Adet	6,046	8,414	14,460	31,596	30,590	62,186	37,642	39,004	76,646	16.1	21.6	**18.9**
Laelay Maichew	3,340	6,086	9,426	35,776	29,035	64,811	39,116	35,121	74,237	8.5	17.3	**12.7**
Axum town	12,771	17,615	30,386	28,098	30,500	58,599	40,869	48,116	88,985	31.2	36.6	**34.1**
Neader	2,190	6,434	8,625	30,364	27,614	57,978	32,554	34,048	66,602	6.7	18.9	**12.9**
Kola temben	14,107	17,696	31,803	40,849	38,128	78,976	54,956	55,824	110,779	25.7	31.7	**28.7**
Abegele	12,428	16,875	29,304	43,365	39,466	82,831	55,793	56,341	112,134	22.3	30	**26.1**
Tanqua milash	1,484	3,616	5,100	26,830	24,381	51,211	28,313	27,997	56,310	5.2	12.9	**9.1**
Abiadi	5,436	6,316	11,752	12,101	12,684	24,785	17,537	19,000	36,537	31	33.2	**32.2**
Keyih tekli	5,744	7,951	13,695	32,376	28,857	61,233	38,120	36,808	74,928	15.1	21.6	**18.3**
Mai kinetal	8,117	12,477	20,594	26,199	22,682	48,881	34,316	35,159	69,475	23.7	35.5	**29.6**
Endabatsehama	14,685	20,859	35,544	37,585	33,394	70,980	52,270	54,253	106,524	28.1	38.4	**33.4**
Embasineyti	4,812	7,521	12,333	25,559	25,592	51,151	30,371	33,114	63,484	15.8	22.7	**19.4**
Hahayle	5,214	9,264	14,478	46,465	42,520	88,985	51,678	51,785	103,463	10.1	17.9	**14**
Wereda Adwa	4,867	11,397	16,265	58,270	43,885	102,155	63,137	55,283	118,420	7.7	20.6	**13.7**
Adwa town	19,877	28,122	47,999	26,435	27,510	53,945	46,312	55,632	101,943	42.9	50.5	**47.1**
Rama	5,045	6,802	11,847	24,422	24,569	48,991	29,467	31,371	60,837	17.1	21.7	**19.5**
Ahsea	1,065	2,096	3,161	25,803	22,101	47,904	26,868	24,198	51,065	4.0	8.7	**6.2**
Egela	4,618	7,753	12,372	19,184	20,948	40,132	23,803	28,701	52,504	19.4	27.0	**23.6**
Ahferom	3,988	7,405	11,393	34,362	30,795	65,157	38,350	38,200	76,550	10.4	19.4	**14.9**

Woreda	Number of In-migrants			Number of Non migrants			All total population			Percentage of In-migrants		
Enticho town	5,889	7,480	13,369	3,257	3,337	6,594	9,146	10,817	19,963	64.4	69.2	**67**
Bizet	1,028	1,550	2,577	13,432	13,283	26,715	14,460	14,833	29,293	7.1	10.4	**8.8**
Gulomekeda	827	1,651	2,478	23,895	22,858	46,753	24,722	24,509	49,231	3.3	6.7	**5**
Erob	2,766	5,048	7,814	14,551	14,290	28,841	17,317	19,338	36,655	16	26.1	**21.3**
Subha sasei	3,584	5,183	8,767	23,898	24,603	48,500	27,482	29,786	57,268	13	17.4	**15.3**
Edaga hamus	4,157	6,375	10,532	11,842	11,822	23,664	15,999	18,197	34,196	26	35.0	**30.8**
Ganta afeshum	12,248	18,940	31,188	33,451	31,517	64,968	45,700	50,457	96,156	26.8	37.5	**32.4**
Adigrat	12,569	17,358	29,928	48,638	55,934	104,572	61,207	73,292	134,499	20.5	23.7	**22.3**
Wereda Hawzen	8,105	13,018	21,123	36,018	31,459	67,477	44,123	44,477	88,600	18.4	29.3	**23.8**
Hawzen	7,200	11,106	18,306	13,122	13,708	26,829	20,322	24,813	45,136	35.4	44.8	**40.6**
Tsaeda Emab	10,201	12,348	22,550	28,009	24,516	52,526	38,211	36,864	75,075	26.7	33.5	**30**
Freweini town	2,525	4,920	7,445	5,135	5,273	10,408	7,660	10,193	17,853	33	48.3	**41.7**
Atsbi	10,703	13,000	23,703	17,480	13,357	30,837	28,183	26,357	54,540	38	49.3	**43.5**
Atsbi town	4,587	5,790	10,378	6,912	7,569	14,482	11,500	13,360	24,859	39.9	43.3	**41.7**
Tsirae wemberta	13,114	15,753	28,866	38,391	36,477	74,868	51,505	52,230	103,735	25.5	30.2	**27.8**
Wukro	13,292	18,029	31,321	15,972	18,205	34,177	29,264	36,234	65,498	45.4	49.8	**47.8**
Kilte Awlaelo	10,415	11,588	22,002	29,926	27,017	56,943	40,341	38,605	78,946	25.8	30	**27.9**
Gerealta	7,830	10,719	18,549	18,774	15,574	34,348	26,605	26,293	52,898	29.4	40.8	**35.1**
Degua temben	5,076	7,594	12,670	27,726	24,375	52,101	32,802	31,969	64,770	15.5	23.8	**19.6**
Hagereselam	2,741	3,130	5,871	2,388	2,775	5,163	5,129	5,905	11,035	53.4	53.0	**53.2**
Enderta	4,679	8,184	12,863	106,360	107,403	213,764	111,039	115,588	226,626	4.2	7.1	**5.7**
Seharti	10,436	15,186	25,622	54,372	49,556	103,928	64,809	64,741	129,550	16.1	23.5	**19.8**
Samre	5,643	6,799	12,442	38,919	34,768	73,687	44,562	41,567	86,129	12.7	16.4	**14.4**
Hintalo	5,415	8,713	14,129	56,869	54,538	111,407	62,284	63,252	125,536	8.7	13.8	**11.3**

Woreda	Number of In-migrants			Number of Non migrants			All total population			Percentage of In-migrants		
Adigudem	5,347	7,669	13,016	5,119	4,557	9,676	10,466	12,226	22,692	51.1	62.7	**57.4**
Wajirat	10,730	12,595	23,325	15,345	13,516	28,860	26,075	26,110	52,185	41.2	48.2	**44.7**
Ayder	23,200	29,906	53,106	22,604	22,910	45,514	45,804	52,816	98,620	50.7	56.6	**53.8**
Semen	34,535	39,465	74,000	18,473	19,070	37,543	53,008	58,535	111,543	65.2	67.4	**66.3**
Quiha	9,641	13,990	23,631	13,311	13,174	26,486	22,953	27,164	50,116	42	51.5	**47.2**
Kedamay Weyane	9,311	11,650	20,961	8,116	10,091	18,207	17,428	21,740	39,168	53.4	53.6	**53.5**
Hawelti	31,284	45,947	77,231	25,143	24,931	50,074	56,426	70,878	127,304	55.4	64.8	**60.7**
Adi Haki	26,091	31,575	57,666	20,577	21,823	42,400	46,668	53,398	100,066	55.9	59.1	**57.6**
Hadnet	58,042	71,606	129,648	22,254	21,434	43,688	80,296	93,040	173,336	72.3	77	**74.8**
Emba Alaje	9,247	10,466	19,713	24,061	20,368	44,429	33,308	30,834	64,142	27.8	33.9	**30.7**
Selewa	4,234	4,758	8,992	19,425	18,264	37,689	23,659	23,022	46,680	17.9	20.7	**19.3**
Bora	125	333	458	15,604	14,026	29,630	15,729	14,359	30,088	0.8	2.3	**1.5**
Neqsege	214	133	347	19,196	18,373	37,570	19,411	18,506	37,916	1.1	0.7	**0.9**
Enda mekoni	4,115	6,381	10,497	32,063	29,951	62,014	36,178	36,333	72,511	11.4	17.6	**14.5**
Maichew	9,471	12,510	21,981	11,696	12,085	23,780	21,167	24,595	45,761	44.7	50.9	**48.0**
Mekoni town	40,377	44,522	84,899	39,692	36,752	76,444	80,069	81,274	161,343	50.4	54.8	**52.6**
Raya Azebo	7,041	11,039	18,080	47,656	42,542	90,198	54,696	53,581	108,277	12.9	20.6	**16.7**
Raya Chercher	2,989	4,267	7,256	14,341	14,373	28,714	17,330	18,640	35,970	17.2	22.9	**20.2**
Total	**766,589**	**1,022,462**	**1,789,050**	**2,128,486**	**1,999,377**	**4,127,863**	**2,895,075**	**3,021,839**	**5,916,914**	**26.5**	**33.8**	**30.2**

3.2.3 In-migration by Woreda and Residence

Table 3-3 shows that out of the total migrants 61.9 percent of them live in urban areas and 38.1 percent of them live in rural areas. Male migrants (63.5%) were highest than female migrants (60.7%) in urban areas but in rural areas female migrants (39.3%) were highest than male

migrants (36.5%). IDPs live in camps were not included in this urban rural classification. For more details see table 3-3below.

Table 0-3 All in- migrants by woreda, residence and sex,: TSES 2024.(without IDPs live in camps)

Woreda	In- migrants by Urban and Rural														
	Urban			Rural			All			Urban			Rural		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
	Number									Percent					
Tsimbila	0	0	0	22,577	24,766	47,343	22,577	24,766	47,343	-	-	-	100	100	100
Endabguna	6,458	8,821	15,279	0	0	0	6,458	8,821	15,279	100	100	100	-	-	-
Asgede	0	0	0	23,192	21,931	45,123	23,192	21,931	45,123	-	-	-	100	100	100
Tahtay Adyabo	0	0	0	13,193	13,618	26,811	13,193	13,618	26,811	-	-	-	100	100	100
Sheraro	5,335	6,874	12,209	0	0	0	5,335	6,874	12,209	100	100	100	-	-	-
Maekel Adyabo	0	0	0	2,102	3,137	5,239	2,102	3,137	5,239	-	-	-	100	100	100
Seymti Adyabo	0	0	0	480	2,468	2,948	480	2,468	2,948	-	-	-	100	100	100
Aidaero	18,045	25,564	43,610	4,719	11,201	15,920	22,764	36,765	59,529	79.3	69.5	73.3	20.7	30.5	26.7
tahtay Koraro	525	438	963	7,734	13,887	21,621	8,259	14,324	22,584	6.4	3.1	4.3	93.6	96.9	95.7
Shire Endaselassie	30,194	38,446	68,641	0	0	0	30,194	38,446	68,641	100	100	100	-	-	-
Zana	5,938	6,852	12,790	3,124	7,728	10,852	9,062	14,579	23,641	65.5	47.0	54.1	34.5	53	45.9
Laelay koraro	9,540	10,171	19,712	8,515	10,176	18,691	18,056	20,348	38,403	52.8	50.0	51.3	47.2		48.7

Woreda	In- migrants by Urban and Rural														
	Urban			Rural			All			Urban			Rural		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
	Number									Percent					
														50	
Chila	949	949	1,898	493	412	906	1,442	1,361	2,803	65.8	69.7	67.7	34.2	30.3	32.3
Tahtay maichew	12,758	16,232	28,989	3,856	5,818	9,674	16,614	22,049	38,663	76.8	73.6	75.0	23.2	26.4	25
Adet	1,969	2,395	4,365	4,076	6,019	10,095	6,046	8,414	14,460	32.6	28.5	30.2	67.4	71.5	69.8
Laelay Maichew	0	0	0	3,340	6,086	9,426	3,340	6,086	9,426	-	-	-	100	100	100
Axum town	12,771	17,615	30,386	0	0	0	12,771	17,615	30,386	100	100	100	-	-	-
Neader	0	0	0	2,190	6,434	8,625	2,190	6,434	8,625	-	-	-	100	100	100
Kola temben	0	0	0	14,107	17,696	31,803	14,107	17,696	31,803	-	-	-	100	100	100
Abegele	7,040	7,944	14,984	5,388	8,931	14,320	12,428	16,875	29,304	56.6	47.1	51.1	43.4	52.9	48.9
Tanqua milash	0	0	0	1,484	3,616	5,100	1,484	3,616	5,100	-	-	-	100	100	100
Abiadi	5,436	6,316	11,752	0	0	0	5,436	6,316	11,752	100	100	100	-	-	-
Keyih tekli	3,174	3,676	6,850	2,569	4,276	6,845	5,744	7,951	13,695	55.3	46.2	50.0	44.7	53.8	50
Mai kinetal	2,314	2,211	4,525	5,804	10,266	16,069	8,117	12,477	20,594	28.5	17.7	22.0	71.5	82.3	78

Woreda	In- migrants by Urban and Rural														
	Urban			Rural			All			Urban			Rural		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
	Number									Percent					
Endabatsehama	0	0	0	14,685	20,859	35,544	14,685	20,859	35,544	-	-	-	100	100	100
Embasineyti	1,329	2,800	4,129	3,483	4,721	8,205	4,812	7,521	12,333	27.6	37.2	33.5	72.4	62.8	66.5
Hahayle	2,000	3,010	5,009	3,214	6,255	9,468	5,214	9,264	14,478	38.4	32.5	34.6	61.6	67.5	65.4
Wereda Adwa	0	0	0	4,867	11,397	16,265	4,867	11,397	16,265	-	-	-	100	100	100
Adwa town	19,877	28,122	47,999	0	0	0	19,877	28,122	47,999	100	100	100	-	-	-
Rama	2,326	3,284	5,609	2,719	3,518	6,237	5,045	6,802	11,847	46.1	48.3	47.3	53.9	51.7	52.7
Ahsea	0	0	0	1,065	2,096	3,161	1,065	2,096	3,161	-	-	-	100	100	100
Egela	1,022	2,014	3,036	3,596	5,740	9,336	4,618	7,753	12,372	22.1	26.0	24.5	77.9	74.0	75.5
Ahferom	0	0	0	3,988	7,405	11,393	3,988	7,405	11,393	-	-	-	100	100	100
Enticho town	5,889	7,480	13,369	0	0	0	5,889	7,480	13,369	100	100	100	-	-	-
Bizet	358	452	810	670	1,098	1,767	1,028	1,550	2,577	34.8	29.2	31.4	65.2	70.8	68.6
Gulomekeda	198	297	494	630	1,354	1,984	827	1,651	2,478	23.9	18	19.9	76.1	82	80.1
Erob	2,482	4,175	6,658	283	873	1,157	2,766	5,048	7,814	89.8	82.7	85.2	10.2		14.8

Woreda	In- migrants by Urban and Rural														
	Urban			Rural			All			Urban			Rural		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
	Number									Percent					
														17.3	
Subha sasei	0	0	0	3,584	5,183	8,767	3,584	5,183	8,767	-	-	-	100	100	100
Edaga hamus	4,157	6,375	10,532	0	0	0	4,157	6,375	10,532	100	100	100	-	-	-
Ganta afeshum	0	0	0	0012,248	18,940	31,188	12,248	18,940	31,188	-	-	-	100	100	100
Adigrat	12,569	17,358	29,928	0	0	0	12,569	17,358	29,928	100	100	100	-	-	-
Wereda Hawzen	0	0	0	8,105	13,018	21,123	8,105	13,018	21,123	-	-	-	100	100	100
Hawzen	7,200	11,106	18,306	0	0	0	7,200	11,106	18,306	100	100	100	-	-	-
Tsaeda Emab	0	0	0	10,201	12,348	22,550	10,201	12,348	22,550	-	-	-	100	100	100
Freweini town	2,525	4,920	7,445	0	0	0	2,525	4,920	7,445	100	100	100	-	-	-
Atsbi	0	0	0	10,703	13,000	23,703	10,703	13,000	23,703	-	-	-	100	100	100
Atsbi town	4,536	5,756	10,292	51	34	85	4,587	5,790	10,378	98.9	99.4	99.2	1.1	0.6	0.8
Tsirae wemberta	11,125	13,171	24,297	1,988	2,581	4,570	13,114	15,753	28,866	84.8	83.6	84.2	15.2	16.4	15.8
Wukro	13,292	18,029	31,321	0	0	0	13,292	18,029	31,321	100	100	100	-	-	-

Woreda	In- migrants by Urban and Rural														
	Urban			Rural			All			Urban			Rural		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
	Number									Percent					
Kilte Awlaelo	0	0	0	10,415	11,588	22,002	10,415	11,588	22,002	-	-	-	100	100	100
Gerealta	0	0	0	7,830	10,719	18,549	7,830	10,719	18,549	-	-	-	100	100	100
Degua temben	0	0	0	5,076	7,594	12,670	5,076	7,594	12,670	-	-	-	100	100	100
Hagereselam	2,741	3,130	5,871	0	0	0	2,741	3,130	5,871	100	100	100	-	-	-
Enderta	0	0	0	4,679	8,184	12,863	4,679	8,184	12,863	-	-	-	100	100	100
Seharti	4,795	4,847	9,642	5,641	10,339	15,980	10,436	15,186	25,622	45.9	31.9	37.6	54.1	68.1	62.4
Samre	3,356	3,881	7,237	2,287	2,918	5,205	5,643	6,799	12,442	59.5	57.1	58.2	40.5	42.9	41.8
Hintalo	763	1,441	2,204	4,652	7,272	11,925	5,415	8,713	14,129	14.1	16.5	15.6	85.9	83.5	84.4
Adigudem	5,347	7,669	13,016	0	0	0	5,347	7,669	13,016	100	100	100	-	-	-
Wajirat	6,135	6,047	12,181	4,595	6,548	11,144	10,730	12,595	23,325	57.2	48.0	52.2	42.8	52.0	47.8
Ayder	23,200	29,906	53,106	0	0	0	23,200	29,906	53,106	100	100	100	-	-	-
Semen	34,535	39,465	74,000	0	0	0	34,535	39,465	74,000	100	100	100	-	-	-
Quiha	9,641	13,990	23,631	0	0	0	9,641	13,990	23,631	100	100	100	-		-

Woreda	In- migrants by Urban and Rural														
	Urban			Rural			All			Urban			Rural		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
	Number									Percent					
														-	
Kedamay Weyane	9,311	11,650	20,961	0	0	0	9,311	11,650	20,961	100	100	100	-	-	-
Hawelti	31,284	45,947	77,231	0	0	0	31,284	45,947	77,231	100	100	100	-	-	-
Adi Haki	26,091	31,575	57,666	0	0	0	26,091	31,575	57,666	100	100	100	-	-	-
Hadnet	58,042	71,606	129,648	0	0	0	58,042	71,606	129,648	100	100	100	-	-	-
Emba Alaje	6,629	6,815	13,444	2,619	3,650	6,269	9,247	10,466	19,713	71.7	65.1	68.2	28.3	34.9	31.8
Selewa	0	0	0	4,234	4,758	8,992	4,234	4,758	8,992	-	-	-	100	100	100
Bora	0	0	0	125	333	458	125	333	458	-	-	-	100	100	100
Neqsege	0	0	0	214	133	347	214	133	347	-	-	-	100	100	100
Enda mekoni	960	1,555	2,515	3,155	4,827	7,981	4,115	6,381	10,497	23.3	24.4	24	76.7	75.6	76
Maichew	9,471	12,501	21,973	0	8	8	9,471	12,510	21,981	100	100	100	-	0.1	0.0
Mekoni town	40,377	44,522	84,899	0	0	0	40,377	44,522	84,899	100	100	100	-	-	-
Raya Azebo	0	0	0	7,041	11,039	18,080	7,041	11,039	18,080	-	-	-	100	100	100

Woreda	In- migrants by Urban and Rural														
	Urban			Rural			All			Urban			Rural		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
	Number									Percent					
Raya Chercher	572	858	1,430	2,417	3,409	5,826	2,989	4,267	7,256	19.1	20.1	19.7	80.9	79.9	80.3
Total	**486,584**	**620,256**	**1,106,839**	**280,005**	**402,206**	**682,211**	**766,589**	**1,022,462**	**1,789,050**	**63.5**	**60.7**	**61.9**	**36.5**	**39.3**	**38.1**

3.2.4 Recent Migrants

Migrant with 5 and less continuous years' duration of stay in the enumeration area are recorded as recent migrants. Based on this definition, the data shows that, around 31.9 percent of migrants are recent. Out of the recent migrants 37.3% of them live in urban areas and 23.1% of them live in rural areas. Males tend to migrate more frequently than Females in recent migrants, given that 32.4 percent of males are recent migrants compared to 31.5 percent of females. The results also show that the population aged 0-9 tend to migrate more than other age groups. The highest proportion of migrants is noticed among age groups 0-4(84.8%) and followed by age group 5-9 (49.6%). This kind of migration uncommon and it may be because of the war that exists in Tigray before 3 years. Migrants in the IDP centers 99.9% are recent migrants. When it includes IDPs live in camps the recent migrant rises to 54.1%. Migrants by woredas also show that Woreda Kola Temben has the least recent migrants (10%). For more information, see table 3-4 and table 3-5 (recent migrants by woredas).

Table 0-4 All Recent in migrants by age group, sex and residence: TSES 2024.

All age group & Sex	Number of In-Migrants			Number of Recent in-migrants			Percentage of Recent in- migrants		
	Urban	Rural	Total	Urban	Rural	Total	Urban	Rural	Total
All Ages									
Male	486,584	280,005	766,589	178,687	69,585	248,271	36.7	24.9	32.4
Female	620,256	402,206	1,022,462	234,148	88,215	322,364	37.8	21.9	31.5
Total	1,106,839	682,211	1,789,050	412,835	157,800	570,635	37.3	23.1	31.9
0-4									
Male	31,607	15,005	46,612	26,394	12,741	39,135	83.5	84.9	84
Female	33,062	14,017	47,079	28,309	11,971	40,280	85.6	85.4	85.6
Total	64,669	29,022	93,691	54,702	24,712	79,414	84.6	85.1	84.8
5-9									
Male	46,850	22,333	69,182	23,360	9,695	33,055	49.9	43.4	47.8
Female	44,600	20,847	65,447	24,559	9,118	33,677	55.1	43.7	51.5
Total	91,450	43,180	134,630	47,920	18,813	66,733	52.4	43.6	49.6
10-14									
Male	41,194	25,596	66,790	15,003	7,123	22,127	36.4	27.8	33.1
Female	43,047	24,287	67,334	19,264	6,875	26,138	44.8	28.3	38.8
Total	84,241	49,883	134,124	34,267	13,998	48,265	40.7	28.1	36.0

All age group & Sex	Number of In-Migrants			Number of Recent in-migrants			Percentage of Recent in- migrants		
15-19									
Male	44,920	27,194	72,113	16,125	5,370	21,496	35.9	19.7	29.8
Female	56,944	28,381	85,325	25,264	9,790	35,054	44.4	34.5	41.1
Total	101,864	55,574	157,438	41,390	15,161	56,550	40.6	27.3	35.9
20-24									
Male	36,619	18,781	55,400	10,606	4,105	14,711	29	21.9	26.6
Female	70,448	35,605	106,053	35,431	16,510	51,940	50.3	46.4	49
Total	107,067	54,386	161,453	46,037	20,615	66,652	43	37.9	41.3
25-29									
Male	46,720	20,460	67,179	18,212	7,581	25,793	39	37.1	38.4
Female	90,394	45,026	135,419	38,620	14,617	53,237	42.7	32.5	39.3
Total	137,113	65,485	202,599	56,832	22,198	79,031	41.4	33.9	39
30-34									
Male	46,878	17,711	64,589	21,299	7,242	28,541	45.4	40.9	44.2
Female	68,850	33,811	102,660	22,880	7,393	30,273	33.2	21.9	29.5
Total	115,727	51,522	167,249	44,179	14,635	58,814	38.2	28.4	35.2
35-39									
Male	52,028	22,608	74,636	19,171	6,865	26,036	36.8	30.4	34.9
Female	62,563	37,559	100,122	17,432	4,649	22,081	27.9	12.4	22.1
Total	114,592	60,166	174,758	36,602	11,514	48,116	31.9	19.1	27.5
40-44									
Male	35,086	16,105	51,191	12,084	2,882	14,966	34.4	17.9	29.2
Female	36,691	28,461	65,151	6,818	2,287	9,105	18.6	8	14
Total	71,777	44,565	116,342	18,902	5,169	24,071	26.3	11.6	20.7
45-49									
Male	29,615	16,695	46,310	7,177	2,053	9,230	24.2	12.3	19.9
Female	26,922	31,173	58,096	4,416	1,333	5,749	16.4	4.3	9.9
Total	56,537	47,869	104,406	11,593	3,385	14,978	20.5	7.1	14.3
50-54									
Male	21,085	16,779	37,864	3,424	1,529	4,954	16.2	9.1	13.1
Female	19,315	25,898	45,214	2,440	1,089	3,528	12.6	4.2	7.8
Total	40,401	42,677	83,078	5,864	2,618	8,482	14.5	6.1	10.2
55-59									
Male	14,287	14,681	28,968	1,610	795	2,405	11.3	5.4	8.3
Female	14,752	21,371	36,124	1,226	510	1,735	8.3	2.4	4.8
Total	29,040	36,052	65,091	2,835	1,305	4,140	9.8	3.6	6.4

All age group & Sex	Number of In-Migrants			Number of Recent in-migrants			Percentage of Recent in- migrants		
60-64									
Male	12,236	11,557	23,793	1,126	541	1,667	9.2	4.7	7
Female	14,570	17,505	32,074	1,587	334	1,921	10.9	1.9	6
Total	26,805	29,062	55,867	2,713	875	3,588	10.1	3	6.4
65+									
Male	27,459	34,501	61,960	3,095	1,062	4,157	11.3	3.1	6.7
Female	38,098	38,266	76,364	5,904	1,740	7,645	15.5	4.5	10
Total	65,557	72,768	138,324	8,999	2,802	11,802	13.7	3.9	8.5
IDPs live in camps									
Male	-	-	412,960	-	-	412,901	-	-	99.9
Female	-	-	454,887	-	-	454,708	-	-	99.9
IDPs Total	-	-	867,847	-	-	867,609	-	-	99.9
All Total (with IDPs)	-	-	2,656,897	-	-	1,438,244	-	-	54.1

Table 0-5 All Recent in migrants by woreda, sex and percent: TSES 2024.

Woreda	Number of In-Migrants			Number of recent in-migrants			Recent in -migrants		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Tsimbila	22,577	24,766	47,343	3,045	3,634	6,678	13.5	14.7	14.1
Endabguna	6,458	8,821	15,279	1,494	2,424	3,918	23.1	27.5	25.6
Asgede	23,192	21,931	45,123	7,839	7,250	15,090	33.8	33.1	33.4
Tahtay Adyabo	13,193	13,618	26,811	3,137	2,691	5,828	23.8	19.8	21.7
Sheraro	5,335	6,874	12,209	1,224	1,708	2,933	23	24.9	24
Maekel Adyabo	2,102	3,137	5,239	628	917	1,545	29.9	29.2	29.5
Seymti Adyabo	480	2,468	2,948	398	1,173	1,571	82.8	47.5	53.3
Aidaero	22,764	36,765	59,529	7,827	11,728	19,555	34.4	31.9	32.8
tahtay Koraro	8,259	14,324	22,584	3,220	3,661	6,881	39.0	25.6	30.5
Shire Endaselassie	30,194	38,446	68,641	10,196	12,966	23,162	33.8	33.7	33.7
Zana	9,062	14,579	23,641	4,065	4,978	9,043	44.9	34.1	38.2
Laelay koraro	18,056	20,348	38,403	5,092	5,840	10,932	28.2	28.7	28.5
Chila	1,442	1,361	2,803	536	390	926	37.2	28.6	33
Tahtay maichew	16,614	22,049	38,663	4,360	5,005	9,365	26.2	22.7	24.2
Adet	6,046	8,414	14,460	2,971	2,590	5,561	49.1	30.8	38.5
Laelay Maichew	3,340	6,086	9,426	1,142	1,634	2,776	34.2	26.8	29.4
Axum town	12,771	17,615	30,386	3,342	4,950	8,292	26.2	28.1	27.3
Neader	2,190	6,434	8,625	1,066	1,260	2,327	48.7	19.6	27

	Number of In-Migrants			Number of recent in-migrants			Recent in -migrants		
Kola temben	14,107	17,696	31,803	1,338	1,851	3,188	9.5	10.5	10
Abegele	12,428	16,875	29,304	2,808	4,248	7,057	22.6	25.2	24.1
Tanqua milash	1,484	3,616	5,100	534	948	1,483	36.0	26.2	29.1
Abiadi	5,436	6,316	11,752	2,507	3,234	5,741	46.1	51.2	48.9
Keyih tekli	5,744	7,951	13,695	2,796	3,386	6,181	48.7	42.6	45.1
Mai kinetal	8,117	12,477	20,594	2,009	2,662	4,671	24.8	21.3	22.7
Endabatsehama	14,685	20,859	35,544	2,880	4,848	7,728	19.6	23.2	21.7
Embasineyti	4,812	7,521	12,333	1,005	1,700	2,705	20.9	22.6	21.9
Hahayle	5,214	9,264	14,478	1,437	1,845	3,282	27.6	19.9	22.7
Wereda Adwa	4,867	11,397	16,265	1,305	1,910	3,216	26.8	16.8	19.8
Adwa town	19,877	28,122	47,999	3,699	6,396	10,095	18.6	22.7	21
Rama	5,045	6,802	11,847	1,000	1,810	2,810	19.8	26.6	23.7
Ahsea	1,065	2,096	3,161	644	791	1,435	60.5	37.7	45.4
Egela	4,618	7,753	12,372	1,448	2,565	4,013	31.4	33.1	32.4
Ahferom	3,988	7,405	11,393	1,252	1,444	2,696	31.4	19.5	23.7
Enticho town	5,889	7,480	13,369	1,773	1,923	3,696	30.1	25.7	27.6
Bizet	1,028	1,550	2,577	664	513	1,177	64.6	33.1	45.7
Gulomekeda	827	1,651	2,478	369	322	690	44.5	19.5	27.8
Erob	2,766	5,048	7,814	641	768	1,409	23.2	15.2	18
Subha sasei	3,584	5,183	8,767	1,159	1,472	2,631	32.3	28.4	30
Edaga hamus	4,157	6,375	10,532	1,466	2,157	3,623	35.3	33.8	34.4
Ganta afeshum	12,248	18,940	31,188	2,642	4,069	6,712	21.6	21.5	21.5
Adigrat	12,569	17,358	29,928	4,293	5,640	9,933	34.2	32.5	33.2
Wereda Hawzen	8,105	13,018	21,123	2,581	2,970	5,552	31.8	22.8	26.3
Hawzen	7,200	11,106	18,306	2,096	3,495	5,591	29.1	31.5	30.5
Tsaeda Emab	10,201	12,348	22,550	1,322	2,302	3,624	13.0	18.6	16.1
Freweini town	2,525	4,920	7,445	836	1,692	2,528	33.1	34.4	34
Atsbi	10,703	13,000	23,703	1,709	1,338	3,047	16.0	10.3	12.9
Atsbi town	4,587	5,790	10,378	1,771	2,220	3,992	38.6	38.3	38.5
Tsirae wemberta	13,114	15,753	28,866	6,325	6,462	12,787	48.2	41	44.3
Wukro	13,292	18,029	31,321	6,616	8,253	14,869	49.8	45.8	47.5
Kilte Awlaelo	10,415	11,588	22,002	1,060	1,901	2,962	10.2	16.4	13.5
Gerealta	7,830	10,719	18,549	1,478	1,851	3,329	18.9	17.3	17.9
Degua temben	5,076	7,594	12,670	1,001	1,291	2,292	19.7	17	18.1
Hagereselam	2,741	3,130	5,871	674	855	1,529	24.6	27.3	26
Enderta	4,679	8,184	12,863	2,205	2,654	4,859	47.1	32.4	37.8
Seharti	10,436	15,186	25,622	2,266	2,458	4,724	21.7	16.2	18.4
Samre	5,643	6,799	12,442	2,048	2,457	4,505	36.3	36.1	36.2

	Number of In-Migrants			Number of recent in-migrants			Recent in -migrants		
Hintalo	5,415	8,713	14,129	1,283	1,738	3,021	23.7	19.9	21.4
Adigudem	5,347	7,669	13,016	1,731	2,991	4,723	32.4	39	36.3
Wajirat	10,730	12,595	23,325	2,620	3,699	6,319	24.4	29.4	27.1
Ayder	23,200	29,906	53,106	9,469	12,640	22,109	40.8	42.3	41.6
Semen	34,535	39,465	74,000	14,453	17,574	32,027	41.9	44.5	43.3
Quiha	9,641	13,990	23,631	4,060	6,564	10,624	42.1	46.9	45
Kedamay Weyane	9,311	11,650	20,961	3,869	4,731	8,600	41.6	40.6	41
Hawelti	31,284	45,947	77,231	12,705	19,964	32,669	40.6	43.5	42.3
Adi Haki	26,091	31,575	57,666	14,414	16,731	31,145	55.2	53	54
Hadnet	58,042	71,606	129,648	18,013	26,072	44,086	31	36.4	34
Emba Alaje	9,247	10,466	19,713	3,783	4,470	8,254	40.9	42.7	41.9
Selewa	4,234	4,758	8,992	901	899	1,800	21.3	18.9	20
Bora	125	333	458	61	148	209	48.9	44.5	45.7
Neqsege	214	133	347	179	64	243	83.5	48.5	70.1
Enda mekoni	4,115	6,381	10,497	1,286	2,101	3,387	31.3	32.9	32.3
Maichew	9,471	12,510	21,981	4,073	5,713	9,787	43	45.7	44.5
Mekoni town	40,377	44,522	84,899	16,766	18,082	34,848	41.5	40.6	41
Raya Azebo	7,041	11,039	18,080	2,444	3,482	5,926	34.7	31.5	32.8
Raya Chercher	2,989	4,267	7,256	920	1,196	2,116	30.8	28	29.2
Total	**766,589**	**1,022,462**	**1,789,050**	**248,271**	**322,364**	**570,635**	**32.4**	**31.5**	**31.9**

3.2.5 Recent in-migrants by woreda and residence

Table 3-6 shows that out of the total recent in-migrants 72.3 percent of them are living in urban areas and 27.7 percent of them live in rural areas. Female migrants (72.6%) were higher than male migrants (72%) in urban areas. While in rural areas male migrants (28%) were higher than female migrants (27.4%). For more details, see table 3-6 below.

Table 0-6 All Recent in migrants by woreda, residence, sex and percent: TSES 2024

Woreda	Recent In-migrants by Urban and Rural (without IDPs)														
	Urban			Rural			All			Urban			Rural		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Tsimbila	0	0	0	3,045	3,634	6,678	3,045	3,634	6,678	-	-	-	100	100	100
Endabguna	1,494	2,424	3,918	0	0	0	1,494	2,424	3,918	100	100	100	-	-	-
Asgede	0	0	0	7,839	7,250	15,090	7,839	7,250	15,090	-	-	-	100	100	100
Tahtay Adyabo	0	0	0	3,137	2,691	5,828	3,137	2,691	5,828	-	-	-	100	100	100
Sheraro	1,224	1,708	2,933	0	0	0	1,224	1,708	2,933	100	100	100	-	-	-
Maekel Adyabo	0	0	0	628	917	1,545	628	917	1,545	-	-	-	100	100	100
Seymti Adyabo	0	0	0	398	1,173	1,571	398	1,173	1,571	-	-	-	100	100	100
Aidaero	7,010	9,469	16,479	817	2,258	3,075	7,827	11,728	19,555	89.6	80.7	84.3	10.4	19.3	15.7
tahtay Koraro	350	263	613	2,870	3,398	6,268	3,220	3,661	6,881	10.9	7.2	8.9	89.1	92.8	91.1
Shire Endaselassie	10,196	12,966	23,162	0	0	0	10,196	12,966	23,162	100	100	100	-	-	-
Zana	2,969	3,426	6,395	1,096	1,552	2,648	4,065	4,978	9,043	73.0	68.8	70.7	27.0	31.2	29.3
Laelay koraro															

	3,080	3,739	6,819	2,011	2,101	4,113	5,092	5,840	10,932	60.5	64	62.4	39.5	36	37.6
Chila	43	0	43	493	390	883	536	390	926	8.0	-	4.7	92.0	100	95.3
Tahtay maichew	3,509	3,654	7,163	852	1,350	2,202	4,360	5,005	9,365	80.5	73	76.5	19.5	27	23.5
Adet	160	319	479	2,811	2,270	5,082	2,971	2,590	5,561	5.4	12.3	8.6	94.6	87.7	91.4
Laelay Maichew	0	0	0	1,142	1,634	2,776	1,142	1,634	2,776	-	-	-	100	100	100
Axum town	3,342	4,950	8,292	0	0	0	3,342	4,950	8,292	100	100	100	-	-	-
Neader	0	0	0	1,066	1,260	2,327	1,066	1,260	2,327	-	-	-	100	100	100
Kola temben	0	0	0	1,338	1,851	3,188	1,338	1,851	3,188	-	-	-	100	100	100
Abegele	1,531	2,389	3,921	1,277	1,859	3,136	2,808	4,248	7,057	54.5	56.2	55.6	45.5	43.8	44.4
Tanqua milash	0	0	0	534	948	1,483	534	948	1,483	-	-	-	100	100	100
Abiadi	2,507	3,234	5,741	0	0	0	2,507	3,234	5,741	100	100	100	-	-	-
Keyih tekli	2,005	2,506	4,511	791	879	1,670	2,796	3,386	6,181	71.7	74	73	28.3	26	27
Mai kinetal	1,026	828	1,855	983	1,833	2,816	2,009	2,662	4,671	51.1	31.1	39.7	48.9	68.9	60.3
Endabatsehama	0	0	0	2,880	4,848	7,728	2,880	4,848	7,728	-	-	-	100	100	100
Embasineyti															

	24	435	459	980	1,265	2,245	1,005	1,700	2,705	2.4	25.6	17.0	97.6	74.4	83
Hahayle	456	626	1,081	981	1,220	2,201	1,437	1,845	3,282	31.7	33.9	32.9	68.3	66.1	67.1
Wereda Adwa	0	0	0	1,305	1,910	3,216	1,305	1,910	3,216	-	-	-	100	100	100
Adwa town	3,699	6,396	10,095	0	0	0	3,699	6,396	10,095	100	100	100	-	-	-
Rama	609	922	1,531	391	888	1,279	1,000	1,810	2,810	60.9	50.9	54.5	39.1	49.1	45.5
Ahsea	0	0	0	644	791	1,435	644	791	1,435	-	-	-	100	100	100
Egela	84	253	337	1,364	2,313	3,677	1,448	2,565	4,013	5.8	9.8	8.4	94.2	90.2	91.6
Ahferom	0	0	0	1,252	1,444	2,696	1,252	1,444	2,696	-	-	-	100	100	100
Enticho town	1,773	1,923	3,696	0	0	0	1,773	1,923	3,696	100	100	100	-	-	-
Bizet	94	94	188	570	419	989	664	513	1,177	14.2	18.3	16	85.8	81.7	84.0
Gulomekeda		148	148	369	173	542	369	322	690	-	46.1	21.5	100.0	53.9	78.5
Erob	582	663	1,246	59	105	164	641	768	1,409	90.8	86.3	88.4	9.2	13.7	11.6
Subha sasei	0	0	0	1,159	1,472	2,631	1,159	1,472	2,631	-	-	-	100	100	100
Edaga hamus	1,466	2,157	3,623	0	0	0	1,466	2,157	3,623	100	100	100	-	-	-

Ganta afeshum	0	0	0	2,642	4,069	6,712	2,642	4,069	6,712	-	-	-	100	100	100
Adigrat	4,293	5,640	9,933	0	0	0	4,293	5,640	9,933	100	100	100	-	-	-
Wereda Hawzen	0	0	0	2,581	2,970	5,552	2,581	2,970	5,552	-	-	-	100	100	100
Hawzen	2,096	3,495	5,591	0	0	0	2,096	3,495	5,591	100	100	100	-	-	-
Tsaeda Emab	0	0	0	1,322	2,302	3,624	1,322	2,302	3,624	-	-	-	100	100	100
Freweini town	836	1,692	2,528	0	0	0	836	1,692	2,528	100	100	100	-	-	-
Atsbi	0	0	0	1,709	1,338	3,047	1,709	1,338	3,047	-	-	-	100	100	100
Atsbi town	1,720	2,186	3,906	51	34	85	1,771	2,220	3,992	97.1	98.5	97.9	2.9	1.5	2.1
Tsirae wemberta	5,906	5,864	11,770	419	598	1,017	6,325	6,462	12,787	93.4	90.7	92.0	6.6	9.3	8.0
Wukro	6,616	8,253	14,869	0	0	0	6,616	8,253	14,869	100	100	100	-	-	-
Kilte Awlaelo	0	0	0	1,060	1,901	2,962	1,060	1,901	2,962	-	-	-	100	100	100
Gerealta	0	0	0	1,478	1,851	3,329	1,478	1,851	3,329	-	-	-	100	100	100
Degua temben	0	0	0	1,001	1,291	2,292	1,001	1,291	2,292	-	-	-	100	100	100
Hagereselam	674	855	1,529	0	0	0	674	855	1,529	100	100	100	-	-	-

Enderta	0	0	0	2,205	2,654	4,859	2,205	2,654	4,859	-	-	-	100	100	100
Seharti	1,094	1,564	2,658	1,172	894	2,066	2,266	2,458	4,724	48.3	63.6	56.3	51.7	36.4	43.7
Samre	1,495	1,793	3,288	553	664	1,217	2,048	2,457	4,505	73	73	73	27	27	27
Hintalo	85	254	339	1,198	1,483	2,682	1,283	1,738	3,021	6.6	14.6	11.2	93.4	85.4	88.8
Adigudem	1,731	2,991	4,723	0	0	0	1,731	2,991	4,723	100	100	100	-	-	-
Wajirat	1,159	1,465	2,624	1,461	2,234	3,695	2,620	3,699	6,319	44.2	39.6	41.5	55.8	60.4	58.5
Ayder	9,469	12,640	22,109	0	0	0	9,469	12,640	22,109	100	100	100	-	-	-
Semen	14,453	17,574	32,027	0	0	0	14,453	17,574	32,027	100	100	100	-	-	-
Quiha	4,060	6,564	10,624	0	0	0	4,060	6,564	10,624	100	100	100	-	-	-
Kedamay Weyane	3,869	4,731	8,600				3,869	4,731	8,600	100	100	100	-	-	-
Hawelti	12,705	19,964	32,669	0	0	0	12,705	19,964	32,669	100	100	100	-	-	-
Adi Haki	14,414	16,731	31,145	0	0	0	14,414	16,731	31,145	100	100	100	-	-	-
Hadnet	18,013	26,072	44,086	0	0	0	18,013	26,072	44,086	100	100	100	-	-	-

Emba Alaje	3,217	3,878	7,095	566	592	1,158	3,783	4,470	8,254	85	86.7	86	15	13.3	14
Selewa	0	0	0	901	899	1,800	901	899	1,800	-	-	-	100	100	100
Bora	0	0	0	61	148	209	61	148	209	-	-	-	100	100	100
Neqsege	0	0	0	179	64	243	179	64	243	-	-	-	100	100	100
Enda mekoni	503	366	869	783	1,735	2,518	1,286	2,101	3,387	39.1	17.4	25.6	60.9	82.6	74.4
Maichew	4,073	5,713	9,787	0	0	0	4,073	5,713	9,787	100	100	100	-	-	-
Mekoni town	16,766	18,082	34,848	0	0	0	16,766	18,082	34,848	100	100	100	-	-	-
Raya Azebo	0	0	0	2,444	3,482	5,926	2,444	3,482	5,926	-	-	-	100	100	100
Raya Chercher	204	286	490	716	910	1,626	920	1,196	2,116	22.2	23.9	23.2	77.8	76.1	76.8
Total	**178,687**	**234,148**	**412,835**	**69,585**	**88,215**	**157,800**	**248,271**	**322,364**	**570,635**	**72**	**72.6**	**72.3**	**28**	**27.4**	**27.7**

As it is indicated in the table 3-7, in-migrants those who lived for 3 years in the current place were highest in number (883,538) than the other years. This is because of the presence of war in the region before three years. At woreda level, in-migrants those who lived for 3 years in the current place were highest in Hadnet sub city (12,423), followed by Adihaki sub city (11,018) and Mekoni Town

(9,800). Similarly, those who lived for 3 years in the current place, the least was found in Bora (32) and the second was Gulomekeda (142). For more details, see table 3-7 below.

Table 0-7 All in-migrants by duration of residence, age group, sex and Woreda: TSES 2024

Age group & sex	In-migrants duration of residence in current place(in years)											
	<1	1	2	3	4	5	6	7	8	9	10+	Total
All Ages												
Male	26,622	62,407	95,220	417,665	59,258	50,294	52,062	30,477	31,838	17,987	335,718	1,179,549
Female	41,245	71,725	120,478	465,873	77,751	66,639	61,890	36,024	36,550	22,865	476,309	1,477,348
Total	67,867	134,132	215,698	883,538	137,009	116,933	113,952	66,502	68,388	40,852	812,027	2,656,897
0-4												
Male	6,279	13,364	16,802	44,515	6,357	3,617	1,417	496	357	190	1,399	94,794
Female	8,145	10,976	11,965	36,901	6,993	2,617	898	466	236	300	2,283	81,779
Total	14,424	24,340	28,767	81,416	13,351	6,235	2,315	963	593	490	3,682	176,573
5-9												
Male	2,705	5,541	15,751	76,514	8,882	8,233	9,031	5,905	4,612	3,326	5,020	145,521
Female	4,044	6,328	14,239	75,165	8,302	9,569	7,750	4,348	3,620	2,937	3,546	139,848
Total	6,749	11,869	29,990	151,680	17,185	17,802	16,781	10,253	8,232	6,264	8,566	285,369
10-14												
Male	2,246	6,529	14,362	66,529	6,398	5,142	5,189	3,332	4,267	2,218	24,515	140,727

Age group & sex	In-migrants duration of residence in current place(in years)											
	<1	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10+**	**Total**
Female	3,317	6,391	15,929	62,177	6,187	6,066	4,896	3,674	3,438	2,099	21,023	135,196
Total	5,562	12,920	30,291	128,706	12,585	11,208	10,085	7,006	7,705	4,317	45,538	275,923
15-19												
Male	1,608	6,291	13,417	62,932	5,259	3,884	6,711	2,759	3,324	1,003	32,937	140,124
Female	5,801	10,461	18,609	67,210	7,571	5,565	5,875	2,409	2,477	1,357	32,588	159,922
Total	7,410	16,752	32,026	130,142	12,830	9,449	12,586	5,168	5,800	2,359	65,525	300,047
20-24												
Male	1,247	5,059	5,279	27,597	2,487	4,140	3,884	2,014	3,708	1,068	25,875	82,357
Female	7,780	12,390	14,644	43,862	11,391	8,855	9,518	4,429	3,807	1,245	26,259	144,180
Total	9,027	17,449	19,923	71,459	13,877	12,995	13,402	6,443	7,515	2,312	52,134	226,537
25-29												
Male	4,241	7,080	6,894	30,697	5,038	4,171	4,672	2,928	2,170	1,723	25,721	95,336
Female	4,486	7,796	17,415	45,498	14,268	12,351	11,656	8,188	7,460	5,642	36,885	171,645
Total	8,727	14,876	24,308	76,195	19,306	16,522	16,328	11,116	9,630	7,365	62,606	266,980
30-34												
Male												

Age group & sex	In-migrants duration of residence in current place(in years)											
	<1	1	2	3	4	5	6	7	8	9	10+	Total
	2,877	5,662	6,812	22,579	6,268	4,963	5,767	3,173	3,112	1,483	17,610	80,305
Female	2,755	6,817	8,152	33,380	8,968	8,350	6,902	5,049	4,970	4,263	42,853	132,460
Total	5,632	12,479	14,964	55,959	15,236	13,313	12,668	8,222	8,082	5,746	60,463	212,765
35-39												
Male	1,731	5,614	6,263	20,209	7,323	7,213	5,101	3,587	3,522	3,016	26,162	89,740
Female	2,284	3,948	5,687	33,508	5,738	5,111	5,846	3,544	3,501	1,734	58,305	129,207
Total	4,015	9,562	11,950	53,717	13,061	12,324	10,947	7,130	7,023	4,750	84,468	218,947
40-44												
Male	1,562	3,188	2,530	20,918	4,511	3,452	3,579	2,274	2,645	1,801	22,474	68,935
Female	743	2,182	4,356	17,012	2,844	2,231	3,135	1,224	2,247	1,169	46,039	83,182
Total	2,305	5,370	6,886	37,930	7,355	5,683	6,715	3,498	4,892	2,971	68,513	152,117
45-49												
Male	620	1,463	1,825	9,962	3,073	2,322	2,397	1,515	1,069	900	28,876	54,024
Female	740	1,164	1,860	18,621	1,467	1,906	1,508	898	1,447	851	45,916	76,378
Total	1,359	2,628	3,686	28,583	4,540	4,228	3,906	2,413	2,516	1,751	74,792	130,401
50-54												

Age group & sex	In-migrants duration of residence in current place(in years)											
	<1	1	2	3	4	5	6	7	8	9	10+	Total
Male	752	736	1,626	8,095	1,264	843	1,425	942	1,394	516	27,789	45,384
Female	120	1,007	2,466	12,586	816	732	1,092	613	1,100	596	37,552	58,679
Total	871	1,743	4,092	20,681	2,080	1,576	2,517	1,556	2,494	1,112	65,342	104,064
55-59												
Male	90	481	955	8,970	769	771	592	628	711	301	23,559	37,829
Female	96	195	1,036	4,401	664	661	514	451	257	170	32,335	40,779
Total	186	676	1,991	13,370	1,433	1,432	1,107	1,079	967	472	55,894	78,608
60-64												
Male	280	280	895	3,873	459	382	763	151	325	247	20,257	27,913
Female	337	262	1,831	3,398	683	597	498	260	1,004	133	27,661	36,665
Total	616	542	2,727	7,271	1,142	979	1,261	412	1,330	380	47,918	64,578
65+												
Male	385	1,119	1,808	14,276	1,168	1,160	1,532	772	621	194	53,524	76,560
Female	597	1,808	2,290	12,153	1,860	2,027	1,802	471	986	369	63,065	87,428
Total	983	2,927	4,098	26,428	3,028	3,187	3,334	1,243	1,607	564	116,588	163,987
Woreda												

Age group & sex	In-migrants duration of residence in current place(in years)											
	<1	1	2	3	4	5	6	7	8	9	10+	Total
Tsimbila	282	1,396	1,032	1,551	2,417	1,328	2,410	1,724	951	407	33,845	47,343
Endabguna	407	1,044	612	1,228	626	580	1,920	1,434	866	185	6,374	15,279
Asgede	690	3,407	3,148	5,868	1,977	587	6,312	918	747	849	20,620	45,123
Tahtay Adyabo	59	673	109	4,201	786	404	252	657	282	107	19,280	26,811
Sheraro	592	703	124	947	566	491	479	460	758	348	6,739	12,209
Maekel Adyabo	124	619	250	520	33	293	86	168	391	36	2,720	5,239
Seymti Adyabo	82	620	0	458	410	165	82	195	82	0	853	2,948
Aidaero	3,143	5,130	2,222	7,267	1,793	3,194	3,749	2,214	3,237	1,802	25,780	59,529
tahtay Koraro	411	150	945	3,839	1,536	840	928	1,236	823	595	11,282	22,584
Shire Endaselassie	1,721	4,321	3,873	8,326	4,920	6,916	3,519	4,892	4,879	887	24,385	68,641
Zana	370	904	724	5,707	1,337	1,649	880	724	1,294	486	9,566	23,641
Laelay koraro	1,383	1,511	1,548	5,097	1,392	1,774	1,374	2,745	1,153	1,741	18,685	38,403
Chila	0	58	68	801	0	129	22	129	216	0	1,380	2,803
Tahtay maichew	456	1,576	1,057	4,494	1,783	1,751	2,704	543	2,261	1,033	21,006	38,663

Age group & sex	In-migrants duration of residence in current place(in years)											
	<1	1	2	3	4	5	6	7	8	9	10+	Total
Adet	190	320	53	4,081	917	361	465	635	219	160	7,060	14,460
Laelay Maichew	50	146	930	670	979	643	642	109	581	0	4,675	9,426
Axum town	1,178	1,403	1,026	1,623	3,063	1,424	588	1,767	1,592	728	15,995	30,386
Neader	377	450	283	878	337	32	278	380	57	171	5,381	8,625
Kola temben	685	511	521	1,003	468	974	666	1,217	1,029	318	24,410	31,803
Abegele	871	1,542	1,674	1,112	1,858	2,084	1,391	669	3,789	869	13,446	29,304
Tanqua milash	357	161	275	584	105	85	145	19	340	19	3,008	5,100
Abiadi	1,441	1,072	1,060	879	1,288	712	608	416	272	385	3,618	11,752
Keyih tekli	504	1,218	2,323	971	1,167	187	593	169	447	161	5,958	13,695
Mai kinetal	201	1,009	588	1,836	1,037	790	688	717	809	313	12,606	20,594
Endabatsehama	482	1,469	1,072	3,156	1,548	1,399	1,064	885	1,219	632	22,616	35,544
Embasineyti	196	824	194	1,087	404	1,236	564	326	419	368	6,716	12,333
Hahayle	379	546	582	1,703	71	94	177	153	307	156	10,309	14,478
Wereda Adwa	44	415	395	1,913	449	884	943	522	143	178	10,380	16,265

Age group & sex	In-migrants duration of residence in current place(in years)											
	<1	1	2	3	4	5	6	7	8	9	10+	Total
Adwa town	1,259	867	1,060	2,791	4,118	3,457	4,278	1,576	1,622	1,882	25,089	47,999
Rama	146	775	312	759	818	621	708	330	504	509	6,366	11,847
Ahsea	18	150	385	666	216	55	32	0	0	104	1,534	3,161
Egela	1,158	1,034	409	432	981	819	370	274	514	344	6,037	12,372
Ahferom	248	684	277	920	568	189	537	393	606	136	6,836	11,393
Enticho town	777	827	517	819	757	848	1,096	598	877	531	5,722	13,369
Bizet	0	87	293	598	200	40	207	72	14	33	1,034	2,577
Gulomekeda	79	61	165	142	243	252	187	45	33	0	1,271	2,478
Erob	172	49	438	496	254	591	624	682	182	393	3,932	7,814
Subha sasei	356	595	327	1,108	246	171	365	363	376	129	4,733	8,767
Edaga hamus	494	923	309	1,005	893	666	984	189	481	293	4,296	10,532
Ganta afeshum	680	744	848	2,268	2,173	2,987	1,873	1,188	2,073	1,418	14,938	31,188
Adigrat	532	2,386	1,425	3,247	2,344	1,789	2,458	1,346	1,047	540	12,816	29,928
Wereda Hawzen	827	578	566	2,271	1,309	322	586	390	817	187	13,268	21,123

Age group & sex	In-migrants duration of residence in current place(in years)											
	<1	1	2	3	4	5	6	7	8	9	10+	Total
Hawzen	183	1,331	423	2,243	1,411	1,052	1,565	253	720	645	8,479	18,306
Tsaeda Emab	443	616	448	1,735	382	992	1,552	420	316	614	15,030	22,550
Freweini town	246	284	198	809	991	974	498	194	259	122	2,869	7,445
Atsbi	407	903	556	622	559	796	1,065	1,023	1,315	1,027	15,431	23,703
Atsbi town	957	601	418	726	1,289	757	722	635	557	428	3,288	10,378
Tsirae wemberta	2,033	3,066	1,456	2,818	3,414	2,657	2,510	361	688	325	9,539	28,866
Wukro	4,176	4,639	1,131	2,183	2,740	2,138	2,076	1,366	992	1,082	8,798	31,321
Kilte Awlaelo	327	650	210	750	1,025	571	297	421	436	98	17,217	22,002
Gerealta	416	655	487	767	1,004	691	1,171	293	838	539	11,689	18,549
Degua temben	358	313	617	315	689	27	385	949	313	601	8,102	12,670
Hagereselam	123	170	349	564	323	254	307	183	317	135	3,146	5,871
Enderta	60	1,351	699	1,014	1,734	2,667	1,229	162	0	0	3,946	12,863
Seharti	373	1,230	324	1,438	1,360	508	576	583	963	583	17,683	25,622
Samre	109	506	610	2,436	842	153	487	149	88	264	6,796	12,442

Age group & sex	In-migrants duration of residence in current place(in years)											
	<1	1	2	3	4	5	6	7	8	9	10+	Total
Hintalo	669	656	278	397	1,022	2,110	577	470	178	514	7,259	14,129
Adigudem	1,162	575	814	1,050	1,121	688	777	371	242	211	6,005	13,016
Wajirat	435	1,277	1,464	1,694	1,450	637	1,037	966	589	542	13,234	23,325
Ayder	3,529	5,002	4,055	5,065	4,459	3,626	3,712	2,138	2,255	741	18,525	53,106
Semen	4,167	6,445	1,762	3,520	16,133	14,393	5,230	2,923	2,558	1,043	15,827	74,000
Quiha	1,217	3,838	1,407	2,311	1,852	1,106	1,470	491	1,029	675	8,236	23,631
Kedamay Weyane	2,073	1,720	1,328	2,268	1,212	437	1,654	671	1,421	840	7,338	20,961
Hawelti	3,007	8,173	4,318	7,196	9,975	6,073	7,090	3,465	3,565	1,132	23,237	77,231
Adi Haki	2,990	2,839	5,656	11,018	8,643	3,556	3,585	2,109	1,263	1,834	14,173	57,666
Hadnet	8,240	6,837	5,917	12,423	10,669	9,556	9,579	4,555	4,793	4,401	52,678	129,648
Emba Alaje	1,757	842	2,464	1,746	1,444	304	797	557	1,066	285	8,450	19,713
Selewa	125	347	266	701	360	305	355	289	143	277	5,822	8,992
Bora	0	27	64	32	86	70	0	0	0	14	164	458
Neqsege	0	0	23	220	0	0	0	0	0	0	104	347

Age group & sex	In-migrants duration of residence in current place(in years)											
	<1	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10+**	**Total**
Enda mekoni	519	329	489	1,171	880	373	1,441	550	490	283	3,972	10,497
Maichew	1,057	1,073	3,489	2,940	1,229	1,621	492	627	696	535	8,224	21,981
Mekoni town	1,508	5,381	9,448	9,800	8,711	9,713	12,311	4,683	1,470	1,316	20,558	84,899
Raya Azebo	351	340	302	4,003	930	3,825	1,308	1,005	114	196	5,707	18,080
Raya Chercher	224	555	189	464	684	427	262	171	404	115	3,760	7,256
IDPs in camps	1,206	28,602	130,022	707,779	0	59	0	0	0	0	179	867,846
Total	**67,867**	**134,132**	**215,698**	**883,538**	**137,009**	**116,933**	**113,952**	**66,502**	**68,388**	**40,852**	**812,027**	**2,656,897**

3.2.6 Reasons of migration

The results of the 2024 TSES shows that the primary reason for migration was to join family (27.5%) while the secondary reason is associated with marriage/divorce (25. 8%).The reason of migration for internally displaced persons live in camps was 100 percent due to war. At woreda level, reasons of migration due to war was highest in Neqsege (50%), Bizet (40%) and Chila (36.8%) respectively. Whereas reasons of migration because of marriage/divorce was highest in woreda Naeder(80.2%), Selawa (75.2%) and Gerealta (72%). See table 3-8 for more information on urban – rural and woreda level reasons of migration.

Table 0-8 Main reasons for migration for all migrants by residence, sex and woreda; percent: TSES 2024

	All in-migrants with IDPS	Reasons for migration in percent								
		Due to war	Seek Job	To Join Family	For education	Marriage/ divorce	env'tal hazard	Health related	Other	Total
All										
Male	1,179,549	16.7	13.4	31.7	1.5	18.6	0	0.9	16.7	100
Female	1,477,348	13.9	11.3	24.4	1.6	31.2	0	1.0	16.2	100
Total	2,656,897	15.1	12.2	27.5	1.6	25.8	0.5	1.0	16.4	100
urban										
Male	899,544	21.1	14.8	29.0	1.9	8.4	0	1.0	23.5	100
Female	1,075,142	18.6	14.3	25.4	2.4	14.0	0	1.2	23.9	100
Total	1,974,686	19.7	14.5	27.0	2.2	11.5	0	1.1	23.7	100
Rural										
Male	280,005	9.2	11.1	36.1	0.7	36.1	1	0.8	5.0	100
Female	402,206	6.6	6.7	22.9	0.4	57.7	1	0.7	4.4	100
Total	682,211	7.7	8.5	28.4	0.5	48.8	1	0.8	4.7	100

	All in-migrants with IDPS	Reasons for migration in percent								
		Due to war	Seek Job	To Join Family	For education	Marriage/ divorce	env'tal hazard	Health related	Other	Total
Woreda										
Tsimbila	47,343	2.5	59.6	6.1	0.6	27.1	1.4	1.0	1.8	100
Endabguna	15,279	6.9	23.3	26.1	1.5	14.3	0.8	5.6	21.5	100
Asgede	45,123	4.8	14.9	63.7	0.0	13.9	0.7	0.4	1.6	100
Tahtay Adyabo	26,811	6.2	21.1	29.6	0.0	32.1	7.1	3.6	0.3	100
Sheraro	12,209	8.4	47.6	16.7	2.8	14.9	1.2	3.0	5.4	100
Maekel Adyabo	5,239	4.1	14.6	17.5	1.8	54.4	6.4	1.2	0.0	100
Seymti Adyabo	2,948	17.0	2.1	19.2	0.0	61.7	0.0	0.0	0.0	100
Aidaero	59,529	11.0	6.5	21.4	0.4	30.7	0.0	2.0	27.9	100
tahtay Koraro	22,584	17.2	3.9	15.4	0.0	55.6	0.0	0.3	7.7	100
Shire Endaselassie	68,641	13.2	20.2	27.7	2.3	12.5	0.0	2.9	21.2	100
Zana	23,641	9.4	6.4	18.0	0.0	58.0	0.0	2.2	6.1	100
Laelay koraro	38,403	10.2	5.5	12.2	2.9	58.2	0.2	1.2	9.6	100
Chila	2,803	36.8	18.4	5.3	11.8	13.2	2.6	4.0	7.9	100
Tahtay maichew	38,663	10.7	6.7	31.3	0.2	39.1	0.8	2.5	8.6	100
Adet	14,460	29.3	11.3	19.2	0.4	33.8	0.4	0.8	4.9	100
Laelay Maichew	9,426	6.6	6.1	14.7	0	66.5	0.5	2.0	3.6	100
Axum town	30,386	4.6	33.9	26.6	4.1	9.5	1.8	0.4	19.3	100
Neader	8,625	15.5	1.1	2.1	0.0	80.2	0.0	0.5	0.5	100

	All in-migrants with IDPS	Reasons for migration in percent								
		Due to war	Seek Job	To Join Family	For education	Marriage/ divorce	env'tal hazard	Health related	Other	Total
Kola temben	31,803	1.2	0.5	81.5	0.0	16.2	0.0	0.0	0.5	100
Abegele	29,304	3.5	3.2	17.0	2.5	62.5	0.7	1.1	9.5	100
Tanqua milash	5,100	13.1	1.6	13.1	0.0	66.1	0.0	0.0	6.0	100
Abiadi	11,752	7.1	7.6	22.5	1.2	7.7	0.0	0.7	53.3	100
Keyih tekli	13,695	8.2	0.0	2.2	0.0	55.5	0.0	0.0	34.1	100
Mai kinetal	20,594	6.9	9.1	36.8	0.2	42.0	0.2	1.3	3.6	100
Endabatsehama	35,544	7.3	23.2	19.5	0.8	45.0	0.0	0.4	3.9	100
Embasineyti	12,333	10.3	7.1	24.5	0.8	53.0	0.0	3.5	0.8	100
Hahayle	14,478	13.2	11.5	14.9	0.0	57.6	0.0	2.4	0.4	100
Wereda Adwa	16,265	4.1	2.3	29.5	0.3	54.0	0.0	0.8	9.0	100
Adwa town	47,999	3.7	19.0	40.0	7.2	17.4	0.0	0.2	12.5	100
Rama	11,847	12.7	21.2	13.8	0.7	43.8	0.0	0.4	7.4	100
Ahsea	3,161	14.5	0.0	32.5	0.0	51.3	0.0	1.7	0.0	100
Egela	12,372	8.3	7.3	26.2	0.0	42.3	0.0	4.2	11.7	100
Ahferom	11,393	8.5	2.8	17.7		59.0		1.0	11.0	100
Enticho town	13,369	5.6	18.8	37.5	1.9	18.7	0.2	3.1	14.1	100
Bizet	2,577	40.0	6.4	22.4	0.0	28.8	0.0	0.8	1.6	100
Gulomekeda	2,478	18.4	2.6	15.8	0.0	40.8	5.3	1.3	15.8	100
Erob							0.0	0.0		

	All in-migrants with IDPS	Reasons for migration in percent								
		Due to war	Seek Job	To Join Family	For education	Marriage/ divorce	env'tal hazard	Health related	Other	Total
	7,814	6.8	31.7	21.3	5.0	34.8			0.5	100
Subha sasei	8,767	10.4	1.6	19.8	0.0	56.2	1.3	0.7	10.1	100
Edaga hamus	10,532	3.7	12.7	16.4	2.0	19.0	0.4	0.9	44.9	100
Ganta afeshum	31,188	11.5	4.2	24.5	0.2	42.4	0.2	0.4	16.6	100
Adigrat	29,928	20.3	15.3	30.6	5.5	13.5	1.0	0.5	13.3	100
Wereda Hawzen	21,123	12.9	0.8	26.1	0.0	59.0	0.0	0.0	1.1	100
Hawzen	18,306	10.6	17.9	36.3	0.6	23.1	0.2	0.9	10.6	100
Tsaeda Emab	22,550	7.7	0.6	48.6	0.0	36.6	0.0	0.2	6.2	100
Freweini town	7,445	16.9	28.1	31.1	0.8	17.5	0.6	1.1	3.9	100
Atsbi	23,703	1.5	3.2	59.9	0.0	31.7	0.4	0.1	3.2	100
Atsbi town	10,378	7.3	13.2	21.1	1.5	14.8	0.0	1.7	40.4	100
Tsirae wemberta	28,866	7.8	15.9	28.9	1.0	24.2	1.0	1.0	20.4	100
Wukro	31,321	5.8	9.0	23.3	1.4	9.6	0.0	1.5	49.4	100
Kilte Awlaelo	22,002	3.6	1.9	54.9	3.3	33.2	0.2	0.0	2.9	100
Gerealta	18,549	3.4	1.8	20.0	0.0	72.0	0.2	1.1	1.6	100
Degua temben	12,670	2.8	0.4	20.6	0.0	70.6	1.4	0.0	4.2	100
Hagereselam	5,871	4.3	9.9	58.4	2.3	9.5	0.6	1.9	13.2	100
Enderta	12,863	32.0	8.0	22.0	0.0	37.0	0.0	0.0	1.0	100
Seharti	25,622	3.1	2.2	52.0	4.3	36.9	0.0	0.4	1.2	100

	All in-migrants with IDPS	Reasons for migration in percent								
		Due to war	Seek Job	To Join Family	For education	Marriage/ divorce	env'tal hazard	Health related	Other	Total
Samre	12,442	14.5	20.9	15.6	1.8	43.6	1.4	1.4	0.7	100
Hintalo	14,129	10.2	5.7	23.9	1.1	40.3	10.8	1.1	6.8	100
Adigudem	13,016	5.4	11.9	39.1	2.6	9.4	0.2	0.5	30.9	100
Wajirat	23,325	5.9	1.2	62.4	0.4	22.4	0.0	1.1	6.6	100
Ayder	53,106	9.6	14.8	20.1	1.6	7.7	0.0	1.7	44.5	100
Semen	74,000	28.8	15.1	24.8	3.8	6.7	0.0	0.1	20.6	100
Quiha	23,631	24.2	20.1	21.9	2.4	14.4	0.9	0.8	15.4	100
Kedamay Weyane	20,961	6.5	22.1	24.2	3.1	5.7	0.0	0.0	38.4	100
Hawelti	77,231	8.0	12.4	30.1	1.7	3.6	0.5	0.3	43.4	100
Adi Haki	57,666	11.8	9.5	14.5	3.4	7.1	0.0	0.8	52.9	100
Hadnet	129,648	7.4	8.8	37.5	3.1	17.9	0.0	0.7	24.5	100
Emba Alaje	19,713	2.1	5.0	33.5	0.9	33.2	0.0	0.0	25.5	100
Selewa	8,992	5.6	5.0	9.3	0.0	75.2	0.9	0.3	3.7	100
Bora	458	4.0	0.0	24.0	0.0	60.0	0.0	4.0	8.0	100
Neqsege	347	50.0	0.0	8.3	0.0	41.7	0.0	0.0	0.0	100
Enda mekoni	10,497	8.7	1.4	12.3	0.5	57.5	0.5	0.9	18.3	100
Maichew	21,981	15.9	15.1	31.0	5.5	14.4	0.2	0.3	17.7	100
Mekoni town	84,899	5.6	19.6	31.3	0.8	11.8	1.2	0.6	29.1	100
Raya Azebo					0.0		0.9	0.0		

	All in-migrants with IDPS	Reasons for migration in percent								
		Due to war	Seek Job	To Join Family	For education	Marriage/ divorce	env'tal hazard	Health related	Other	Total
	18,080	35.4	21.0	12.2		29.7			0.9	100
Raya Chercher	7,256	6.7	12.4	23.2	1.7	38.6	1.7	0.7	15.1	100
IDPs live in camps	867,846	100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100
Total	**2,656,897**	**15.1**	**12.2**	**27.5**	**1.6**	**25.8**	**0.5**	**1.0**	**16.4**	**100**

3.2.7 Reasons of migration for recent migrants

The table 3-9 results show that the primary reason for recent migrants was due to war (35.5%) while the secondary reason is to join family (22.4%). Migrants' migration due to environmental hazard was the least reason which is 0.3%. At woreda level, a reason of migration for recent migrants to join family was highest in Kola Temben (79.6%), Asgede (68.3%) and Seharti (65.7%) respectively. See table 3-9 for more information on urban – rural and woreda level reasons of migration for recent migrants.

Table 0-9 Main reasons for migration for all recent migrants by residence, sex and woreda; percent: TSES 2024.

Residence	**All recent in-migrants**	**Reasons for migration in percent**								
		Due to war	**Seek Job**	**To Join Family**	**For education**	**Marriage/ divorce**	**env'tal hazard**	**Health related**	**Other**	**Total**
urban										
Male	178,687	19.8	8.9	26.7	1.3	6.8	0.2	0.8	35.6	100
Female	234,148	17.7	11.4	25.7	1.6	7.8	0.3	1.0	34.6	100
Total	412,835	18.6	10.3	26.1	1.5	7.4	0.2	0.9	35	100

Residence	All recent in-migrants	Reasons for migration in percent								
		Due to war	Seek Job	To Join Family	For education	Marriage/ divorce	env'tal hazard	Health related	Other	Total
Rural										
Male	69,585	60.9	4.3	18.8	0.2	10	0.5	0.7	4.6	100
Female	88,215	55.1	3.6	16.3	0.3	19.4	0.5	0.9	4.1	100
Total	157,800	57.8	3.9	17.4	0.2	15.1	0.5	0.8	4.3	100
All Regional										
Male	248,271	38.3	6.8	23.1	0.8	8.3	0.3	0.7	21.6	100
Female	322,364	33.3	8.1	21.8	1.1	12.6	0.4	1.0	21.9	100
IDPs live in camps	867,609	100	0.0	-	-	-	-	-	-	-
All Total	1,438,244	35.5	7.5	22.4	0.9	10.7	0.3	0.9	21.8	100
Woreda										
Tsimbila	6,678	7.2	60.0	11.2	-	13.6	4.0	2.4	1.6	100
Endabguna	3,918	20.2	10.1	21.1	4.6	10.1		0.9	33.0	100
Asgede	15,090	13.8	7.6	68.3	-	7.6	-	0.5	2.2	100
Tahtay Adyabo	5,828	28.8	3.4	23.7	-	33.9	-	10.2	-	100
Sheraro	2,933	23.8	34.4	13.9	1.6	8.2	3.3	1.6	13.1	100
Maekel Adyabo	1,545	20.0	20.0	20.0	-	40.0	-	-	-	100
Seymti Adyabo	1,571	27.6	3.5	27.6	-	41.4	-	-	-	100

Residence	All recent in-migrants	Reasons for migration in percent								
		Due to war	Seek Job	To Join Family	For education	Marriage/ divorce	env'tal hazard	Health related	Other	Total
Aidaero	19,555	30.4	3.7	20.5	0.6	10.6		0.6	33.5	100
tahtay Koraro	6,881	53.2	4.6	16.5	-	20.2	-	-	5.5	100
Shire Endaselassie	23,162	28.9	13.4	25.2	2.4	4.9	-	2.4	22.8	100
Zana	9,043	31.5	6.5	22.2	-	25.9	-	-	13.9	100
Laelay koraro	10,932	34.8	3.6	8.5	-	36.2	0.7	1.4	14.9	100
Chila	926	87.5	3.1		3.1	-	-	3.1	3.1	100
Tahtay maichew	9,365	37.2	7.1	28.3	-	14.2	-	0.9	12.4	100
Adet	5,561	73.8	1.9	9.7	-	9.7	-	1.0	3.9	100
Laelay Maichew	2,776	19.7	19.7	13.1	-	41.0	-	3.3	3.3	100
Axum town	8,292	10.6	22.5	23.1	1.3	6.3		0.6	35.6	100
Neader	2,327	59.2	-	4.1	-	34.7	-	2.0	-	100
Kola temben	3,188	5.6	-	79.6	-	14.8	-	-	-	100
Abegele	7,057	3.5	7.8	25.4	6.3	40.9	2.1	2.1	12.0	100
Tanqua milash	1,483	37.9	1.7	15.5	-	29.3	-	-	15.5	100
Abiadi	5,741	10.9	4.2	20.0	1.1	4.9	-	-	59.0	100
Keyih tekli	6,181	22.7		3.0	-	16.7	-	-	57.6	100
Mai kinetal	4,671	29.7	4.7	39.8	-	19.5	-	1.6	4.7	100
Endabatsehama	7,728	26.6	8.0	23.0	1.8	36.3	-	1.8	2.7	100
Embasineyti	2,705	33.7	1.2	32.6	1.2	26.7	-	3.5	1.2	100

Residence	All recent in-migrants	Reasons for migration in percent								
		Due to war	Seek Job	To Join Family	For education	Marriage/ divorce	env'tal hazard	Health related	Other	Total
Hahayle	3,282	56.1	4.6	15.2	-	24.2	-	-	-	100
Wereda Adwa	3,216	16.9	2.6	44.2	-	19.5	-	-	16.9	100
Adwa town	10,095	12.6	11.8	44.5	5.9	14.3	-	-	10.9	100
Rama	2,810	40.6	23.2	4.4	-	18.8	-	1.5	11.6	100
Ahsea	1,435	30.8		32.7	-	32.7	-	3.9	-	100
Egela	4,013	15.3	6.3	35.1	-	20.7	-	3.6	18.9	100
Ahferom	2,696	28.7	3.2	20.2	-	13.8	-	-	34.0	100
Enticho town	3,696	13.5	13.5	40.6	0.4	15.6	-	1.6	14.8	100
Bizet	1,177	66.7	3.5	21.1	-	5.3		1.8	1.8	100
Gulomekeda	690	29.2	8.3	20.8	-	8.3	16.7	-	16.7	100
Erob	1,409	45.5	6.1	21.2	6.1	21.2		-		100
Subha sasei	2,631	36.8	3.5	14.9	-	25.3	2.3	1.2	16.1	100
Edaga hamus	3,623	2.7	8.9	13.1	0.8	5.4	0.4	0.4	68.5	100
Ganta afeshum	6,712	29.2	6.3	30.2	-	17.7	1.0	-	15.6	100
Adigrat	9,933	26.4	2.8	37.7	-	3.8	3.8	-	25.5	100
Wereda Hawzen	5,552	44.9	1.0	32.7	-	18.4	-	-	3.1	100
Hawzen	5,591	29.2	12.9	31.0	0.6	8.8	-	1.2	16.4	100
Tsaeda Emab	3,624	26.1	-	62.5	-	6.8	-	1.1	3.4	100
Freweini town	2,528	28.2	14.7	39.4	1.8	10.0	0.6	0.6	4.7	100

Residence	All recent in-migrants	Reasons for migration in percent								
		Due to war	Seek Job	To Join Family	For education	Marriage/ divorce	env'tal hazard	Health related	Other	Total
Atsbi	3,047	9.6	6.7	65.4	-	12.5	-	1.0	4.8	100
Atsbi town	3,992	12.1	4.6	16.2	1.0	6.6	-	1.5	58.1	100
Tsirae wemberta	12,787	9.2	19.8	28.1	0.9	9.7	-	1.8	30.4	100
Wukro	14,869	5.7	6.7	24.8	0.6	5.4	-	2.7	54.1	100
Kilte Awlaelo	2,962	19.7	4.6	39.4	4.6	21.2	-	-	10.6	100
Gerealta	3,329	13.3	4.4	29.2	-	49.6	-	2.7	0.9	100
Degua temben	2,292	11.9		39.0	-	33.9	6.8	-	8.5	100
Hagereselam	1,529	14.4	5.6	50.6	0.6	6.1	1.1	1.7	20.0	100
Enderta	4,859	46.2	5.1	18.0	-	28.2	-	-	2.6	100
Seharti	4,724	14.1	2.0	65.7	4.0	14.1	-	-	-	100
Samre	4,505	42.9	13.1	9.5	3.6	26.2	1.2	2.4	1.2	100
Hintalo	3,021	12.8	7.7	33.3	-	30.8	10.3	--	5.1	100
Adigudem	4,723	10.1	5.1	36.6	1.1	5.1	-	0.3	41.7	100
Wajirat	6,319	20.1	1.0	53.8	1.0	13.1	-	3.0	8.0	100
Ayder	22,109	18.1	12.8	13.3	1.7	4.6	-	2.9	46.6	100
Semen	32,027	41.1	7.3	16.1	1.6	3.5	-	-	30.4	100
Quiha	10,624	34.7	14.3	21.2	1.4	13.5	0.3	0.6	14.1	100
Kedamay Weyane	8,600	7.2	18.8	28.9	2.2	5.1	-	-	37.9	100
Hawelti	32,669	11.0	7.5	32.9	0.7	2.0	0.4	0.7	45.0	100

Residence	All recent in-migrants	Reasons for migration in percent								
		Due to war	Seek Job	To Join Family	For education	Marriage/ divorce	env'tal hazard	Health related	Other	Total
Adi Haki	31,145	14.3	7.1	11.9	1.3	6.2	-	0.7	58.5	100
Hadnet	44,086	15.9	11.7	30.3	1.4	10.1	-	0.2	30.3	100
Emba Alaje	8,254	4.9	4.9	33.6	1.2	15.6	-	-	39.8	100
Selewa	1,800	29.0	3.2	4.8	-	56.5	-	-	6.5	100
Bora	209	8.3	-	33.3	-	50.0	-	8.3	-	100
Neqsege	243	85.7	-	-	-	14.3	-	-	-	100
Enda mekoni	3,387	10.5	4.5	17.9	-	35.8	1.5	-	29.9	100
Maichew	9,787	32.9	7.1	35.8	2.9	7.5	-	-	13.8	100
Mekoni town	34,848	9.4	13.2	25.9	1.5	9.8	0.4	0.8	39.1	100
Raya Azebo	5,926	53.6	11.6	7.3	-	27.5	-	-	-	100
Raya Chercher	2,116	18.6	8.1	17.4	1.2	31.4	4.7	1.2	17.4	100
IDPs live in camps	867,609	100	0.0	-	-	-	-	-	-	100
Total	**1,438,244**	**35.5**	**7.5**	**22.4**	**0.9**	**10.7**	**0.3**	**0.9**	**21.8**	**100**

3.2.8 Net migration

In internal migration the person who migrates from a particular place is referred to as an out-migrant from that area and as an in-migrant in the area of destination. Net migration is the balance of movements in opposite directions, or simply the difference between in-migration and out-migration defines net-migration. The table below presents net-migration by woredas. The highest net in-migration is noticed in Mekelle sub cities such as Semen (30,637), followed by

Mekoni Town (7,778) and Raya Azebo (7,598). The in-migrants and the out-migrants are equal in woredas such as Seyemti Adyabo, Chila, Erob and Bora. For detail see table 3-10 below.

Table 0-10In-migration, Out-migration and Net-migration of migrants by Woreda: TSES 2024

Woreda	Number of migrants		
	In-migrant	out-migrant	Net - migrants
Tsimbila	47,343	46,983	361
Endabguna	15,279	14,976	303
Asgede	45,123	44,665	458
Tahtay Adyabo	26,811	26,676	135
Sheraro	12,209	11,978	231
Maekel Adyabo	5,239	5,153	86
Seymti Adyabo	2,948	2,948	-
Aidaero	59,529	59,008	521
tahtay Koraro	22,584	21,902	682
Shire Endaselassie	68,641	61,943	6,698
Zana	23,641	22,964	677
Laelay koraro	38,403	36,963	1,440
Chila	2,803	2,803	-
Tahtay maichew	38,663	37,545	1,118
Adet	14,460	14,068	392
Laelay Maichew	9,426	9,379	47
Axum town	30,386	29,363	1,023
Neader	8,625	8,357	268
Kola temben	31,803	31,076	727
Abegele	29,304	28,013	1,291
Tanqua milash	5,100	5,051	49
Abiadi	11,752	11,576	176
Keyih tekli	13,695	13,553	142
Mai kinetal	20,594	20,321	274
Endabatsehama	35,544	34,485	1,059
Embasineyti	12,333	11,763	570
Hahayle	14,478	13,997	481
Wereda Adwa	16,265	15,712	553

Woreda	Number of migrants		
Adwa town	47,999	47,191	808
Rama	11,847	11,701	146
Ahsea	3,161	3,115	46
Egela	12,372	11,901	471
Ahferom	11,393	11,060	333
Enticho town	13,369	12,695	675
Bizet	2,577	2,236	342
Gulomekeda	2,478	2,202	276
Erob	7,814	7,814	-
Subha sasei	8,767	8,429	339
Edaga hamus	10,532	9,929	604
Ganta afeshum	31,188	28,461	2,727
Adigrat	29,928	26,795	3,133
Wereda Hawzen	21,123	20,558	564
Hawzen	18,306	17,206	1,101
Tsaeda Emab	22,550	21,873	676
Freweini town	7,445	6,910	535
Atsbi	23,703	23,319	385
Atsbi town	10,378	9,662	716
Tsirae wemberta	28,866	24,486	4,380
Wukro	31,321	29,986	1,335
Kilte Awlaelo	22,002	21,910	92
Gerealta	18,549	18,450	99
Degua temben	12,670	12,562	108
Hagereselam	5,871	5,762	109
Enderta	12,863	9,304	3,559
Seharti	25,622	25,309	313
Samre	12,442	10,880	1,561
Hintalo	14,129	11,346	2,783
Adigudem	13,016	12,339	678
Wajirat	23,325	22,999	325
Ayder	53,106	49,588	3,518
Semen	74,000	43,364	30,637
Quiha	23,631	21,580	2,051

Woreda	Number of migrants		
Kedamay Weyane	20,961	20,175	786
Hawelti	77,231	70,144	7,086
Adi Haki	57,666	53,740	3,926
Hadnet	129,648	123,941	5,707
Emba Alaje	19,713	19,697	16
Selewa	8,992	8,904	88
Bora	458	458	-
Neqsege	347	237	110
Enda mekoni	10,497	9,750	746
Maichew	21,981	20,467	1,514
Mekoni town	84,899	77,121	7,778
Raya Azebo	18,080	10,482	7,598
Raya Chercher	7,256	6,513	742
Total	**1,789,050**	**1,667,772**	**121,278**

CHAPTER FOUR

EDUCATION

5.1 Literacy and Numeracy

Education is a key measure in development, a crucial instrument in socio-economic transformation. Literacy in this survey is defined as individual's ability to read and write in any language and numeracy is ability to simple mathematical calculations (addition, subtraction, multiplication and division). Information on both literacy and numeracy status of household members aged fourteen and above was collected based on respondents self-reporting. Table 4.1 presents respondents' literacy and numeracy status by sex, residence, and woreda. The table below shows, in regional wise (total of 75 woredas and IDP camps) 71% male, 59% Female (65% both sexes) of the population were literate, and 72% male, 60% Female (65% both sexes)

were numerate. By residence, both literacy and numeracy were observed high in urban compared to rural dwellers. About 78% of urban and 54% of rural dwellers were literate. Similarly, 76% of urban and 56% of rural dwellers were numerate. (For more details see Table 4.1 below)

Table 0-1: Literacy and numeracy status by place of residence, woreda, and sex- TSES-2024

Characteristics	Literacy status(weighted)						numeracy status(weighted)						weighted Total
	literate			Illiterate			numerate			innumerate			
	Sex			Sex			Sex			Sex			
	Male	Female	male and female	Male	Female	male and female	Male	Female	male and female	Male	Female	male and female	
Total	**71.96**	**59.74**	**65.51**	**28.04**	**40.26**	**34.49**	**72.05**	**60.35**	**65.87**	**27.95**	**39.65**	**34.13**	**4,429,496**
place of residence													
Urban	84.79	72.62	78	15.21	27.38	22	83.89	71.51	76.98	16.11	28.49	23.02	2,043,964
Rural	62.22	47.46	54.8	37.78	52.54	45.2	63.04	49.72	56.35	36.96	50.28	43.65	2,385,532
Woreda													
IDP	76.47	66.48	70.9	23.53	33.52	29.1	71.16	60.36	65.13	28.84	39.64	34.87	524,202
Tsimbila	32.04	28.35	30.35	67.96	71.65	69.65	32.63	28.21	30.61	67.37	71.79	69.39	61,725
Endabguna	76.55	62.52	68.73	23.45	37.48	31.27	73.76	61.43	66.88	26.24	38.57	33.12	29,767
Asgede	58.08	42.94	51.02	41.92	57.06	48.98	77.44	68.07	73.07	22.56	31.93	26.93	63,444
Tahtay Adyabo	50.6	39.19	44.93	49.4	60.81	55.07	44.42	35.98	40.23	55.58	64.02	59.77	81,760
Sheraro	81.7	73.11	77.09	18.3	26.89	22.91	80.4	72.22	76.01	19.6	27.78	23.99	25,114
Maekel Adyabo	57.1	47	51.82	42.9	53	48.18	60.65	53.92	57.14	39.35	46.08	42.86	32,967
Seymti Adyabo	32.05	29.06	30.49	67.95	70.94	69.51	40.75	38.39	39.52	59.25	61.61	60.48	34,331
Aidaero	63.73	54.04	58.78	36.27	45.96	41.22	61.56	52.28	56.82	38.44	47.72	43.18	126,164
tahtay Koraro	71.42	54.02	62.42	28.58	45.98	37.58	76.52	63.36	69.71	23.48	36.64	30.29	75,848
Shire Endaselassie	92.3	80.25	85.35	7.7	19.75	14.65	90.51	78.45	83.55	9.49	21.55	16.45	110,001
Zana	60.14	47.1	53.47	39.86	52.9	46.53	53.48	43.91	48.59	46.52	56.09	51.41	56,061
Laelay koraro	74.75	60.23	67.32	25.25	39.77	32.68	74.48	59.63	66.88	25.52	40.37	33.12	80,205
Chila	25.94	19.72	22.83	74.06	80.28	77.17	25.98	19.27	22.62	74.02	80.73	77.38	38,697
Tahtay maichew	75.99	59.63	67.52	24.01	40.37	32.48	75.91	60.84	68.1	24.09	39.16	31.9	72,355
Adet	55.32	37.06	46.1	44.68	62.94	53.9	53.95	36.48	45.13	46.05	63.52	54.87	48,974
Laelay Maichew	72.14	54.07	63.76	27.86	45.93	36.24	74.13	58.5	66.88	25.87	41.5	33.12	53,048
Axum town	90.85	77.67	83.54	9.15	22.33	16.46	92.33	79.88	85.42	7.67	20.12	14.58	64,034
Neader	53.47	42.12	47.69	46.53	57.88	52.31	59.09	47.02	52.94	40.91	52.98	47.06	43,269
Kola temben	75.06	55.45	64.88	24.94	44.55	35.12	70.4	56.24	63.05	29.6	43.76	36.95	69,819
Abegele	74.43	53.98	64.03	25.57	46.02	35.97	79.5	60.19	69.68	20.5	39.81	30.32	66,400
Tanqua milash	76.25	52.26	64.37	23.75	47.74	35.63	75.89	57.64	66.86	24.11	42.36	33.14	36,421

Characteristics	Literacy status(weighted)						numeracy status(weighted)						weighted Total
	literate			Illiterate			numerate			innumerate			
	Sex			Sex			Sex			Sex			
	Male	Female	male and female	Male	Female	male and female	Male	Female	male and female	Male	Female	male and female	
Abiadi	87.98	70.99	79.02	12.02	29.01	20.98	86.62	69.74	77.72	13.38	30.26	22.28	25,886
Keyih tekli	63.49	47.54	55.52	36.51	52.46	44.48	62.6	47.68	55.14	37.4	52.32	44.86	43,384
Mai kinetal	74.04	56.78	65.46	25.96	43.22	34.54	75.92	60.99	68.5	24.08	39.01	31.5	43,055
Endabatsehama	77.52	60.55	68.52	22.48	39.45	31.48	76.14	59.27	67.19	23.86	40.73	32.81	68,852
Embasineyti	81.82	55.43	67.77	18.18	44.57	32.23	81.24	56.04	67.82	18.76	43.96	32.18	43,714
Hahayle	72.83	56.64	64.71	27.17	43.36	35.29	67.06	52.75	59.89	32.94	47.25	40.11	68,337
Wereda Adwa	60.74	49.81	55.59	39.26	50.19	44.41	66.76	54.95	61.19	33.24	45.05	38.81	79,235
Adwa town	92.54	85.38	88.49	7.46	14.62	11.51	92.36	84.15	87.71	7.64	15.85	12.29	72,629
Rama	77.03	59.88	67.95	22.97	40.12	32.05	75.29	55.65	64.89	24.71	44.35	35.11	39,888
Ahsea	63.17	41.62	52.75	36.83	58.38	47.25	56.4	37.97	47.48	43.6	62.03	52.52	33,604
Egela	80.17	60.23	68.95	19.83	39.77	31.05	78.26	59.12	67.49	21.74	40.88	32.51	31,886
Ahferom	79.68	55.72	67.67	20.32	44.28	32.33	80.49	59.82	70.13	19.51	40.18	29.87	53,283
Enticho town	92.73	72.79	81.6	7.27	27.21	18.4	92.54	73.06	81.66	7.46	26.94	18.34	13,909
Bizet	79.79	59.67	68.94	20.21	40.33	31.06	78.01	57.03	66.7	21.99	42.97	33.3	20,325
Gulomekeda	53.7	42.95	48.14	46.3	57.05	51.86	51.86	42.9	47.22	48.14	57.1	52.78	33,955
Erob	73.94	61.79	67.37	26.06	38.21	32.63	80.77	65.47	72.49	19.23	34.53	27.51	25,356
Subha sasei	71.34	53.82	62.13	28.66	46.18	37.87	69.86	52.39	60.67	30.14	47.61	39.33	35,341
Edaga hamus	94.85	78.57	84.95	5.15	21.43	15.05	95.02	77.61	84.43	4.98	22.39	15.57	20,290
Ganta afeshum	82.13	62.97	71.71	17.87	37.03	28.29	80.95	61.28	70.25	19.05	38.72	29.75	66,102
Adigrat	93.74	78.67	85.22	6.26	21.33	14.78	93	78.22	84.64	7	21.78	15.36	95,697
Wereda Hawzen	73.23	52.65	62.25	26.77	47.35	37.75	75.12	55.74	64.78	24.88	44.26	35.22	57,378
Hawzen	93.12	78.62	84.92	6.88	21.38	15.08	93.16	76.94	83.98	6.84	23.06	16.02	29,967
Tsaeda Emab	69.86	50.73	60.21	30.14	49.27	39.79	64.11	49.01	56.5	35.89	50.99	43.5	49,635
Freweini town	88.24	76.17	80.71	11.76	23.83	19.29	87.03	74.76	79.38	12.97	25.24	20.62	11,406
Atsbi	78.3	52.8	65.6	21.7	47.2	34.4	73.69	52.88	63.33	26.31	47.12	36.67	36,048
Atsbi town	88.74	75.5	81.14	11.26	24.5	18.86	90.82	78.71	83.87	9.18	21.29	16.13	14,355
Tsirae wemberta	75.12	56.85	65.59	24.88	43.15	34.41	74.84	55.6	64.81	25.16	44.4	35.19	69,283
Wukro	84.97	74.01	78.57	15.03	25.99	21.43	84.76	74.55	78.79	15.24	25.45	21.21	41,845
Kilte Awlaelo	70.2	49.48	59.89	29.8	50.52	40.11	68.78	49.64	59.26	31.22	50.36	40.74	55,352
Gerealta	64.9	45.81	55.28	35.1	54.19	44.72	65.65	47.15	56.33	34.35	52.85	43.67	30,620

Characteristics	Literacy status(weighted)						numeracy status(weighted)						weighted Total
	literate			Illiterate			numerate			innumerate			
	Sex			Sex			Sex			Sex			
	Male	Female	male and female	Male	Female	male and female	Male	Female	male and female	Male	Female	male and female	
Degua temben	60.9	43.43	52.18	39.1	56.57	47.82	57.48	43.65	50.57	42.52	56.35	49.43	37,949
Hagereselam	86.38	71.88	78.24	13.62	28.12	21.76	83.36	69.35	75.5	16.64	30.65	24.5	7,418
Enderta	63.44	51.4	57.19	36.56	48.6	42.81	64.95	53.79	59.16	35.05	46.21	40.84	135,168
Seharti	47.76	39.29	43.48	52.24	60.71	56.52	46.41	37.57	41.95	53.59	62.43	58.05	75,602
Samre	56.26	48.17	52.25	43.74	51.83	47.75	55.54	46.66	51.13	44.46	53.34	48.87	58,013
Hintalo	68.91	53.63	61.01	31.09	46.37	38.99	67.08	53.12	59.86	32.92	46.88	40.14	83,125
Adigudem	86.59	75.1	80.07	13.41	24.9	19.93	85.1	74.83	79.27	14.9	25.17	20.73	15,313
Wajirat	65.83	48.5	56.86	34.17	51.5	43.14	69.18	57	62.88	30.82	43	37.12	34,845
Ayder	95.67	84.7	89.56	4.33	15.3	10.44	95.28	83.11	88.5	4.72	16.89	11.5	67,326
Semen	93.82	81.48	87.12	6.18	18.52	12.88	93.27	80.82	86.51	6.73	19.18	13.49	79,514
Quiha	88.64	80.61	84.16	11.36	19.39	15.84	87.97	80.18	83.62	12.03	19.82	16.38	34,613
Kedamay Weyane	94.48	81.64	87.28	5.52	18.36	12.72	93.7	81.73	86.99	6.3	18.27	13.01	30,490
Hawelti	92.02	79.05	84.51	7.98	20.95	15.49	92.17	79.85	85.04	7.83	20.15	14.96	87,679
Adi Haki	91.01	79.65	84.56	8.99	20.35	15.44	92.84	84.06	87.85	7.16	15.94	12.15	64,944
Hadnet	73.73	68.1	70.64	26.27	31.9	29.36	90.61	80.33	84.97	9.39	19.67	15.03	125,221
Emba Alaje	57.49	49.56	53.45	42.51	50.44	46.55	57.05	48.95	52.92	42.95	51.05	47.08	39,474
Selewa	66.99	50.57	58.93	33.01	49.43	41.07	66.17	51.51	58.98	33.83	48.49	41.02	28,207
Bora	59.99	47.18	53.61	40.01	52.82	46.39	70.72	59.68	65.22	29.28	40.32	34.78	18,249
Neqsege	46.51	39.41	42.97	53.49	60.59	57.03	52.85	47.62	50.24	47.15	52.38	49.76	21,461
Enda mekoni	58.09	45.4	51.42	41.91	54.6	48.58	59.24	46.26	52.42	40.76	53.74	47.58	47,652
Maichew	93.52	79.59	85.88	6.48	20.41	14.12	93.91	79.65	86.09	6.09	20.35	13.91	32,036
Mekoni town	79.62	64.62	71.86	20.38	35.38	28.14	81.31	69.16	75.02	18.69	30.84	24.98	109,157
Raya Azebo	54.08	42.98	48.42	45.92	57.02	51.58	58.83	47.23	52.92	41.17	52.77	47.08	68,111
Raya Chercher	41.06	32	36.28	58.94	68	63.72	40.1	32.08	35.87	59.9	67.92	64.13	22,710
Total	**71.96**	**59.74**	**65.51**	**28.04**	**40.26**	**34.49**	**72.05**	**60.35**	**65.87**	**27.95**	**39.65**	**34.13**	**4,429,496**

5.2 Reason for student dropping out from school

For students enrolled in 2016 E.C academic year but not attending school during the survey time were asked to report why they dropped out and in region wise the most reasons for dropout are Sickness, displacement and Not willing to attend (8%), Had to help at home, Unable to pay School expenses and Failed in exam (7%). The reasons vary between urban and rural residences as well as woredas. (See details Table 4.2)

Table 0-2:Reasons for not attending school by residence and woreda-TSES 2024

Characteristics	Why (NAME) is not currently attending school																					
	Unable to pay School Fee	Lack of educational materials	Failed in exam	Married on personal Interest	Married on family interest	Married forced	Sickness	Injury	Had to help with farm work	Had to help with family business	Belief to have acquired enough education	lack of job opportunity after school	Not willing to attend	Orphaned	Displaced	Insecurity	Had to help at home	Parents did not want	Deteriorated quality	Pregnancy	Hunger	Other	Total
Total	**7.53**	**5.49**	**7.14**	**5.26**	**1.68**	**0.10**	**8.94**	**1.18**	**5.60**	**4.99**	**2.16**	**4.53**	**8.18**	**2.88**	**8.55**	**2.54**	**7.83**	**2.38**	**0.78**	**0.92**	**4.44**	**6.88**	**100**
urban	9.57	3.24	8.79	8.09	1.74	0.00	6.57	1.57	1.03	7.95	3.60	3.99	3.77	3.43	15.90	3.18	5.71	0.73	0.00	1.67	2.24	7.21	100
Rural	5.51	7.72	5.51	2.47	1.62	0.20	11.28	0.80	10.11	2.07	0.74	5.07	12.53	2.33	1.30	1.91	9.91	4.01	1.56	0.18	6.60	6.55	100
Woreda																							
IDP	0.00	0.67	0.00	16.71	0.00	0.00	3.58	0.00	0.00	16.71	0.00	0.00	0.67	0.00	61.00	0.00	0.67	0.00	0.00	0.00	0.00	0.00	100
Tsimbila	0.00	41.94	0.00		0.00				9.69			20.93						27.43					100
Endabguna	47.55				9.67							9.49		14.27								19.02	100
Asgede			23.19	48.01									28.80										100
Tahtay Adyabo	16.90	19.13					20.06	5.79					31.01		7.11								100
Sheraro	19.51	3.60	9.25	11.56			7.95	1.92			3.60		9.74			7.95	7.95			9.74		7.21	100
Maekel Adyabo				12.74	5.76					40.30	5.76		6.98			5.76	22.70						100
Seymti Adyabo		22.64														77.36							100
Aidaero				13.84			19.01		9.43			10.95	4.87			9.43	21.53					10.95	100
tahtay Koraro		4.80	14.74		4.29		30.76		2.40	4.29			34.41					4.29					100
Shire Endaselassie	24.46	17.07	7.02														19.46				31.99		100
Zana	41.29		20.42						12.76								25.52						100
Laelay koraro	26.61			26.93			13.61															32.85	100

Characteristics	Why (NAME) is not currently attending school																					
	Unable to pay School Fee	Lack of educational materials	Failed in exam	Married on personal Interest	Married on family interest	Married forced	Sickness	Injury	Had to help with farm work	Had to help with family business	Belief to have acquired enough education	lack of job opportunity after school	Not willing to attend	Orphaned	Displaced	Insecurity	Had to help at home	Parents did not want	Deteriorated quality	Pregnancy	Hunger	Other	Total
Chila												19.29		19.29			36.07	25.36					100
Tahtay maichew			10.05	10.05			10.05			16.28			10.60			13.03	26.49	3.46					100
Adet	6.38	59.61	13.31			13.31										7.40							100
Laelay Maichew		13.13	47.49				39.38																100
Axum town		12.45							17.54			26.11	1.77				20.10			22.02			100
Neader			31.75						36.92				15.45				15.87						100
Kola temben	17.46	2.80	3.48	3.48			9.60		10.29			9.60	5.72				10.87	4.49			12.62	9.60	100
Abergele	6.14				3.07					9.49			13.87	3.07								64.35	100
Tanqua milash		5.78							8.85	8.85			12.76				22.82		6.14		4.31	30.47	100
Abiadi	5.61		16.13						16.13	19.62			2.24				2.24					38.01	100
Keyih tekli			5.64		3.05		17.71		26.08			10.16	8.69	5.64			11.74	5.64			5.64		100
Mai kinetal	10.95	19.42					9.12	5.54	9.14			13.89	9.12								9.12	13.69	100
Endabatsehama			7.76				24.85		20.93												7.76	38.70	100
Embasineyti	40.64														19.47						20.42	19.47	100
Hahayle		49.88					7.06		15.09			17.24							10.74				100
Wereda Adwa							23.12					32.12		23.12			15.16					6.49	100
Adwa town				12.75	41.38																22.93	22.93	100
Rama	6.02		27.10	9.64	8.06		16.13					7.01	7.01				13.01	6.02					100
Ahsea		13.27		15.62			9.59						30.26				31.25						100

Characteristics	Why (NAME) is not currently attending school																					
	Unable to pay School Fee	Lack of educational materials	Failed in exam	Married on personal Interest	Married on family interest	Married forced	Sickness	Injury	Had to help with farm work	Had to help with family business	Belief to have acquired enough education	lack of job opportunity after school	Not willing to attend	Orphaned	Displaced	Insecurity	Had to help at home	Parents did not want	Deteriorated quality	Pregnancy	Hunger	Other	Total
Egela					15.96		30.40													13.41	40.23		100
Ahferom	5.36		7.06								7.06	4.38	3.67	7.34	7.06		7.34	7.06	14.13		4.38	25.14	100
Enticho town	35.06			29.88			35.06																100
Bizet			42.27										57.73										100
Gulomekeda			14.73				5.18				16.88	16.88					31.61				14.73		100
Erob	16.64		16.27										13.20							43.84	10.05		100
Subha sasei	15.50	14.27					10.33					22.25		5.17			14.27					18.21	100
Edaga hamus				10.24			29.66						29.66		10.10							20.34	100
Ganta afeshum							100																100
Adigrat	4.19		23.00		5.82		20.14			5.82			5.82	5.82	5.82		5.82				4.32	13.44	100
Wereda Hawzen	10.56						22.05						40.50				13.97				12.91		100
Hawzen	0.99	7.66								84.74						6.61							100
Tsaeda Emab	0.93	9.06			7.96		15.45	7.73				5.26	15.68	7.96			11.39				13.09	5.49	100
Freweini town	44.69						35.64						11.60									8.07	100
Atsbi		12.88					25.23		24.43												14.26	23.21	100
Atsbi town	24.00			3.75						17.82	4.72		4.72		4.66	17.82	17.82	4.72					100
Tsirae wemberta			25.08	8.48			10.31		5.88			8.30	25.56			8.48	3.96					3.96	100
Wukro		38.26		38.26														23.47					100

Characteristics	Why (NAME) is not currently attending school																					
	Unable to pay School Fee	Lack of educational materials	Failed in exam	Married on personal Interest	Married on family interest	Married forced	Sickness	Injury	Had to help with farm work	Had to help with family business	Belief to have acquired enough education	lack of job opportunity after school	Not willing to attend	Orphaned	Displaced	Insecurity	Had to help at home	Parents did not want	Deteriorated quality	Pregnancy	Hunger	Other	Total
Kilte Awlaelo	15.99	15.99	31.97						11.35			11.69	13.02										100
Gerealta	15.02	10.96					7.51	4.64	7.51	4.64			4.30			6.54	4.30				34.58		100
Degua temben	18.68	19.25		6.18			18.63						18.63				18.63						100
Hagereselam	30.26	18.90			5.19			8.48	5.19		7.50	7.50					8.48				8.48		100
Enderta		6.11							31.89				4.97			6.11		39.33	11.59				100
Seharti			9.11						8.33		8.33		13.38	16.66			13.38				26.25	4.56	100
Samre	20.97		20.49	6.82				20.49				14.50	5.58					11.15					100
Hintalo	7.79	4.67		6.56	2.49		2.49	2.49	17.78			10.08	10.08				23.86	2.18				9.52	100
Adigudem	11.87		15.48	7.63			13.31			18.99		4.79			4.79		7.37	8.13				7.63	100
Wajirat									30.75		7.78		53.69						7.78				100
Ayder							19.87	37.61						24.25			18.26						100
Semen	47.07		17.97	8.00							7.48											19.48	100
Quiha	26.48	6.26	9.89					9.35	6.26	9.45		3.59	2.13			10.77	9.45	3.18				3.18	100
Kedamay Weyane	15.37	1.53	6.85	6.85							25.57		2.63	8.52		9.99	10.05			8.52		4.12	100
Hawelti	19.76	9.20	10.44				10.44										9.20				9.20	31.77	100
Adi Haki	3.70	10.82	26.49	8.70	11.40		3.70		1.85	1.85	11.40	5.99								5.41		8.70	100
Hadnet	11.13	2.89								4.22	11.13	17.07	11.13	36.74								5.68	100
Emba Alaje			27.20				32.56										40.24						100
Selewa									21.85	21.67			19.29				7.44			14.88	14.88		100
Bora									4.63			11.19	9.25				8.95				65.99		100

Characteristics	Why (NAME) is not currently attending school																					
	Unable to pay School Fee	Lack of educational materials	Failed in exam	Married on personal Interest	Married on family interest	Married forced	Sickness	Injury	Had to help with farm work	Had to help with family business	Belief to have acquired enough education	lack of job opportunity after school	Not willing to attend	Orphaned	Displaced	Insecurity	Had to help at home	Parents did not want	Deteriorated quality	Pregnancy	Hunger	Other	Total
Neqsege		19.29		4.43	14.48				26.84			7.93	6.01		9.22	4.43					7.35		100
Enda mekoni			62.50							37.50													100
Maichew	26.72		29.38									10.72		19.60			13.58						100
Mekoni town	10.32						24.13				13.81		27.61		13.81	10.32							100
Raya Azebo		8.99							59.40				8.99			7.54	7.54					7.54	100
Raya Chercher					6.86								68.40			18.74	6.01						100
Total	7.53	5.49	7.14	5.26	1.68	0.10	8.94	1.18	5.60	4.99	2.16	4.53	8.18	2.88	8.55	2.54	7.83	2.38	0.78	0.92	4.44	6.88	100

5.3 Educational attainment

In this survey, information about household members' educational achievements was collected. Educational attainment is one of the core education sector indicators which measure the highest level of education a particular individual has completed. It can be expressed in an absolute number or the share of the population with a particular level of education. Table 4.3 below presents results of this survey by residence and woreda.

Regional level estimates indicated that 36% of Tigray population aged 3 years and above have never attended formal education. In terms of residence, 23% of urban and 45% rural residents have never attended any formal education. Highest number of populations who never attended any formal school are found to be in Seyemti Adyabo (73%), followed by Chilla and Tsimbila (63%).

Regional wise the detailed estimates indicated that post-secondary educational attainments are low; that from the total household members who attained any level of formal education, only 9% have attain above secondary level (0.08%TTI, 0.31% Masters and above, 0.67% not completed College Degree/university, 0.9% technique level 1upto 5, 2 % College Diploma, and 3%completed College Degree/university). (See details in Table 4.3 below)

Table 0-3: Educational attainment by place of residence and woreda- TSES 2024

Characteristics	Educational attainment(weighted)																							
	below Grade one	Grade one	Grade two	Grade three	Grade four	Grade five	Grade six	Grade seven	Grade eight	Grade nine	Grade ten	Grade eleven	Grade twelve	TTI	Technique level 1	Technique level 2	Technique level 3	Technique level 4	Technic level 5	College Diploma	NOT completed College Degree/university	completed College Degree/university	Masters and above	Don Know	Total
place of residence																									
Total	**7.67**	**6.38**	**6.84**	**7.20**	**7.79**	**6.93**	**6.83**	**8.06**	**9.61**	**4.61**	**14.71**	**2.08**	**2.72**	**0.08**	**0.22**	**0.28**	**0.20**	**0.17**	**0.03**	**2.62**	**0.67**	**3.84**	**0.31**	**0.15**	**100**
urban	8.46	5.25	5.57	5.85	6.37	5.39	5.89	7.56	9.60	4.31	16.85	2.31	3.57	0.10	0.31	0.41	0.26	0.24	0.04	3.98	0.94	6.03	0.55	0.16	100
Rural	6.71	7.75	8.37	8.83	9.51	8.81	7.98	8.67	9.62	4.97	12.11	1.79	1.69	0.05	0.11	0.13	0.13	0.09	0.01	0.96	0.35	1.19	0.02	0.15	100
Woreda																									
IDP	8.68	7.29	8.82	8.96	9.61	7.90	8.12	9.81	9.79	3.62	9.37	1.31	1.99	0.00	0.24	0.49	0.07		0.00	1.47	0.71	1.68	0.07	0.01	100
Tsimbila	6.58	5.15	11.40	14.29	14.84	13.03	5.01	6.85	6.87	2.75	8.33	1.11	1.11			0.22		0.23	0.00	0.73	0.56	0.94			100
Endabguna	6.79	5.22	4.70	7.93	6.38	4.66	5.80	6.86	10.01	5.35	18.31	2.23	4.03		0.44	0.16	0.12	0.24	0.00	3.75	0.54	5.95	0.34	0.20	100
Asgede	4.87	7.71	8.50	7.37	10.17	11.77	7.94	6.98	14.76	3.65	9.84	0.82	1.95	0.26	0.45	0.21	0.20	0.20	0.00	1.05	0.36	0.75	0.20		100
Tahtay Adyabo	7.43	8.13	13.36	11.21	13.23	8.51	8.57	8.34	8.36	3.35	6.47	0.97	0.39	0.26	0.08				0.00	0.86		0.49			100
Sheraro	5.81	5.05	4.40	5.38	4.87	4.71	6.89	6.61	7.61	4.73	20.84	2.67	4.61		0.25	0.66	0.48	0.27	0.00	4.49	0.65	8.39	0.28	0.36	100
Maekel Adyabo	1.54	7.04	8.03	9.66	8.20	5.39	7.80	8.34	9.35	4.61	17.43	3.75	2.63		0.13	0.28	1.11	0.68	0.00	1.33	0.26	2.05	0.26	0.11	100
Seymti Adyabo	4.28	18.44	12.42	10.55	12.68	10.37	7.15	5.14	6.74	2.74	5.30	1.07	0.70		0.28				0.00	0.64	0.64	0.87			100
Aidaero	5.85	10.32	8.87	8.74	9.89	7.05	6.16	8.12	9.64	3.62	10.27	2.55	2.53		0.27				0.00	2.69	1.26	2.02	0.14		100
tahtay Koraro	7.93	8.53	6.15	7.15	7.40	6.27	8.05	7.22	8.67	3.59	19.40	2.52	2.53	0.07	0.07	0.22		0.07	0.00	1.68	0.34	1.48	0.25	0.43	100
Shire Endaselassie	8.13	4.73	4.28	4.27	5.55	4.95	6.01	7.12	10.57	4.86	22.65	2.34	3.69	0.28	0.29	0.53	0.20	0.57	0.00	2.51	0.58	5.08	0.60	0.18	100
Zana	8.43	9.48	7.47	7.62	10.73	9.83	6.49	7.42	10.14	3.64	12.34	1.94	1.39	0.20		0.09	0.11		0.15	0.89	0.26	1.31		0.09	100
Laelay koraro	8.48	7.01	6.08	7.06	9.63	6.53	7.26	8.12	9.49	4.15	13.65	2.18	1.50	0.10			0.10	0.10	0.06	3.18		4.71	0.52	0.09	100
Chila	10.01	7.58	11.50	10.81	9.23	13.25	10.49	5.14	8.41	2.86	5.82	0.35	1.86						0.00	1.03	0.56	0.91		0.17	100
Tahtay maichew	7.54	5.66	6.52	6.59	6.47	6.87	6.98	6.98	10.02	5.39	19.61	2.91	1.32	0.05	0.38	0.23		0.19	0.00	1.93	0.40	3.94			100
Adet	7.66	7.53	8.51	9.88	8.73	7.11	7.50	5.81	8.85	5.79	11.79	2.03	2.98		0.13				0.00	1.48	0.98	2.76	0.47		100

	Educational attainment(weighted)																							
Characteristics	**below Grade one**	**Grade one**	**Grade two**	**Grade three**	**Grade four**	**Grade five**	**Grade six**	**Grade seven**	**Grade eight**	**Grade nine**	**Grade ten**	**Grade eleven**	**Grade twelve**	**TTI**	**Technique level 1**	**Technique level 2**	**Technique level 3**	**Technique level 4**	**Technic level 5**	**College Diploma**	**NOT completed College Degree/university**	**completed College Degree/university**	**Masters and above**	**Don Know**	**Total**
Laelay Maichew	5.28	4.82	5.76	7.89	9.36	9.04	8.09	9.35	12.92	5.44	17.21	1.82	1.09			0.24	0.12	0.04	0.00	0.45	0.27	0.78		0.05	100
Axum town	7.00	3.51	3.56	3.39	5.31	4.29	6.38	5.89	8.78	4.29	19.02	2.94	6.07	0.15	0.09	0.41	0.14	0.88	0.29	5.56	2.63	7.75	1.21	0.46	100
Neader	3.50	5.94	6.65	8.71	6.88	9.05	7.62	9.56	8.63	6.49	16.12	4.26	4.30					0.13	0.00	1.28	0.48	0.31		0.08	100
Kola temben	4.97	5.75	8.69	8.03	7.82	8.17	8.55	8.08	10.24	5.80	11.47	3.60	3.28		0.28	0.31	0.23	0.28	0.00	1.50	0.48	2.47			100
Abegele	10.79	9.31	7.36	9.00	9.12	8.08	6.11	7.42	6.27	3.79	10.78	1.47	2.48		0.13	0.15	0.05	0.23	0.00	3.23	0.54	3.58		0.10	100
Tanqua milash	6.49	10.02	8.44	8.68	10.16	7.55	7.87	7.98	8.18	4.68	11.26	3.10	2.14	0.14	0.14	0.06		0.43	0.00	1.17	0.16	1.05		0.32	100
Abiadi	6.86	4.24	3.31	4.68	5.31	5.18	4.94	6.11	8.18	5.47	15.42	2.59	3.85	0.05	0.43	0.16	0.49	0.23	0.39	8.60	1.54	11.13	0.58	0.27	100
Keyih tekli	6.82	8.82	10.48	11.28	10.96	11.77	8.95	7.59	7.39	2.36	7.10	1.80	0.60	0.03					0.00	1.50	0.15	2.15		0.23	100
Mai kinetal	6.81	6.05	5.96	7.19	8.93	8.10	7.32	8.64	10.88	4.90	13.49	1.80	1.96		0.17	0.29	0.18		0.00	2.78	1.33	2.76	0.38	0.07	100
Endabatsehama	5.58	6.56	7.09	5.39	7.24	6.74	7.14	8.73	10.19	6.85	14.40	2.58	2.78		0.04	0.61	0.53	0.47	0.00	2.53	0.42	4.15			100
Embasineyti	6.05	5.64	6.92	8.40	7.89	7.47	6.95	9.43	12.04	5.70	16.73	1.84	2.24		0.06				0.00	1.11	0.05	1.48			100
Hahayle	6.14	5.42	5.79	6.03	6.80	8.22	7.07	10.06	9.49	10.61	13.30	3.23	2.85	0.08	0.31	0.06	0.10	0.11	0.00	0.86	0.72	2.60	0.09	0.06	100
Wereda Adwa	8.65	5.82	6.60	6.34	7.90	9.59	7.31	9.44	12.81	5.38	13.62	1.95	1.59		0.10		0.07	0.05	0.00	0.95	0.89	0.77		0.18	100
Adwa town	6.66	4.75	2.93	2.59	3.60	2.24	3.59	7.11	9.59	6.40	23.95	4.23	4.82	0.27	0.53	0.70	1.10	0.84	0.00	6.00	0.75	7.17	0.12	0.04	100
Rama	4.84	8.11	7.35	7.53	7.80	8.19	6.58	8.28	9.41	3.45	14.54	2.14	3.20		0.47	0.43	1.08	0.13	0.00	1.69	0.56	4.24			100
Ahsea	7.97	4.82	6.67	8.13	10.96	8.99	8.90	9.31	7.11	5.09	10.28	3.27	2.77		0.16	0.33	0.18	0.13	0.00	1.60	0.18	3.18			100
Egela	4.48	9.02	10.67	10.46	11.78	11.25	9.10	8.08	9.15	5.40	5.58	0.86	1.84			0.06	0.15	0.06	0.00	0.54	0.39	1.07		0.05	100
Ahferom	5.65	5.04	5.38	7.46	9.52	8.08	8.36	8.93	11.24	6.28	16.05	2.33	1.76			0.15	0.14	0.19	0.00	1.63	0.56	1.14		0.10	100
Enticho town	7.10	4.58	4.70	4.51	4.76	4.50	5.95	7.00	9.77	4.51	25.45	2.91	3.59	0.07	0.15	0.34		0.18	0.00	2.73	0.90	5.86	0.33	0.07	100
Bizet	5.51	6.27	5.65	6.95	7.54	7.42	7.70	7.53	11.07	11.34	16.59	2.24	2.82		0.21	0.41		0.07	0.00	0.26	0.08	0.28		0.07	100
Gulomekeda	7.10	8.32	6.85	8.31	4.93	9.47	8.41	10.40	13.08	6.38	13.47	1.36	0.94		0.29				0.00	0.25	0.10	0.37			100
Erob	7.80	3.79	4.43	4.93	6.02	7.55	8.01	9.92	11.72	3.91	19.46	1.88	2.85	0.05	0.52	0.33		0.09	0.23	1.77	0.32	4.22		0.21	100
Subha sasei	11.06	6.33	7.45	7.43	9.40	7.51	8.33	11.83	10.59	7.40	9.06	1.05	0.70	0.09					0.00	0.17	0.54	0.26		0.81	100

	Educational attainment(weighted)																							
Characteristics	**below Grade one**	**Grade one**	**Grade two**	**Grade three**	**Grade four**	**Grade five**	**Grade six**	**Grade seven**	**Grade eight**	**Grade nine**	**Grade ten**	**Grade eleven**	**Grade twelve**	**TTI**	**Technique level 1**	**Technique level 2**	**Technique level 3**	**Technique level 4**	**Technic level 5**	**College Diploma**	**NOT completed College Degree/university**	**completed College Degree/university**	**Masters and above**	**Don Know**	**Total**
Edaga hamus	10.11	5.59	6.27	5.28	4.92	5.08	5.97	8.81	10.40	7.32	15.57	2.32	1.20		0.41	0.56	1.28	0.03	0.00	1.90	1.55	5.22	0.23		100
Ganta afeshum	7.49	5.34	3.54	3.72	6.79	6.61	6.60	10.93	11.78	5.38	25.03	1.09	2.29	0.20	0.06	0.19	0.23	0.10	0.00	1.27	0.53	0.84			100
Adigrat	8.09	3.91	4.82	3.15	4.37	2.97	4.52	5.80	10.80	5.02	21.64	2.77	6.59	0.35	1.15	1.01	0.34	0.85	0.00	3.38	0.53	6.73	0.49	0.74	100
Wereda Hawzen	6.11	8.71	7.51	7.45	10.17	10.71	7.45	11.21	11.26	5.70	11.33	1.14	0.64						0.00	0.42				0.19	100
Hawzen	2.94	5.82	4.06	5.05	8.06	2.36	6.17	11.08	9.85	3.60	32.11	0.46	1.08	0.13	0.06	0.11	0.06		0.00	2.17	0.36	4.32	0.05	0.10	100
Tsaeda Emab	9.23	7.35	5.31	5.69	7.97	8.50	8.31	10.94	8.72	5.41	18.73	0.94	0.84		0.11	0.11	0.18	0.07	0.00	0.25	0.07	0.88		0.38	100
Freweini town	12.67	4.92	3.43	4.48	5.23	4.20	5.58	7.94	8.12	6.77	19.69	3.51	2.60			0.61	0.07	0.23	0.00	3.77	0.20	5.81	0.16		100
Atsbi	8.01	10.98	7.11	7.91	11.16	8.97	9.38	9.96	9.06	6.08	7.50	0.79	0.39		0.18				0.00	0.78	0.28	1.05		0.40	100
Atsbi town	10.51	6.26	4.63	6.28	5.65	5.57	6.22	6.91	9.32	4.83	15.90	1.06	1.61		0.15	0.15	0.55	0.30	0.11	4.72	0.36	7.57	0.96	0.39	100
Tsirae wemberta	8.30	6.98	9.61	8.12	8.37	8.69	8.10	8.25	9.09	4.71	11.79	2.17	2.61				0.16		0.00	1.12	0.14	1.09		0.70	100
Wukro	10.86	4.11	6.58	2.73	4.26	3.79	5.79	5.36	10.80	4.22	23.61	1.75	3.30	0.10	0.22	1.11	0.55	0.54	0.00	2.48	0.73	5.58	0.99	0.55	100
Kilte Awlaelo	4.14	6.47	5.94	7.58	8.64	6.91	8.24	7.62	11.81	6.98	19.53	1.74	1.80		0.12	0.12	0.19	0.19	0.00	0.58	0.41	0.77	0.05	0.17	100
Gerealta	6.62	11.40	11.37	10.61	10.50	8.19	8.73	7.08	8.96	4.32	7.89	0.62	0.74	0.25	0.07				0.00	1.15	0.37	1.14			100
Degua temben	8.06	10.03	9.33	9.37	10.37	10.50	8.17	7.36	8.29	4.89	10.27	1.11	0.57			0.11		0.11	0.00	0.68	0.23	0.19		0.35	100
Hagereselam	8.25	4.41	4.92	3.73	5.07	7.04	4.29	7.86	9.73	5.60	19.60	1.55	3.53		0.18	0.63	0.18	0.18	0.00	4.89	1.91	5.48	0.27	0.71	100
Enderta	8.98	10.66	10.44	12.57	10.28	8.36	8.37	9.89	6.99	3.26	7.42	0.95	0.48			0.05	0.14		0.00	0.21		0.81		0.14	100
Seharti	6.20	9.97	9.33	11.41	11.31	9.59	7.62	7.45	8.55	3.70	8.33	0.57	1.14	0.19	0.16				0.16	1.74	0.38	2.01		0.19	100
Samre	4.28	5.17	7.10	5.90	6.56	6.44	8.24	6.66	10.32	5.29	13.69	5.36	2.94		0.43	0.38	1.11	0.29	0.00	3.85	2.42	3.37		0.19	100
Hintalo	2.18	6.57	5.99	8.45	7.25	8.82	7.23	10.00	11.05	5.29	15.88	3.02	4.39		0.09	0.04	0.10		0.00	1.38	0.20	1.88		0.20	100
Adigudem	9.88	4.15	1.31	4.66	5.63	4.09	5.59	6.04	7.39	3.87	24.97	3.08	3.67		0.12	0.29	0.49	0.67	0.00	4.62	0.49	7.85	0.81	0.33	100
Wajirat	6.68	7.13	10.30	11.34	8.89	9.16	9.29	7.10	9.17	4.05	9.34	2.91	0.88		0.23	0.34	0.28		0.00	0.29	0.28	1.88	0.11	0.36	100
Ayder	8.56	3.32	4.41	5.16	5.55	4.57	3.80	5.38	9.70	4.15	16.44	1.61	6.13	0.29	0.19	0.06	0.24		0.06	7.48	1.95	9.33	1.29	0.33	100
Semen	11.00	2.14	2.89	3.09	4.49	3.36	3.73	6.85	10.74	4.66	17.86	2.02	4.89	0.10	0.46	0.28	0.16	0.10	0.05	8.38	1.40	9.85	1.32	0.17	100

	Educational attainment(weighted)																								
Characteristics	**below Grade one**	**Grade one**	**Grade two**	**Grade three**	**Grade four**	**Grade five**	**Grade six**	**Grade seven**	**Grade eight**	**Grade nine**	**Grade ten**	**Grade eleven**	**Grade twelve**	**TTI**	**Technique level 1**	**Technique level 2**	**Technique level 3**	**Technique level 4**	**Technic level 5**	**College Diploma**	**NOT completed College Degree/university**	**completed College Degree/university**	**Masters and above**	**Don Know**	**Total**
Quiha	8.17	4.96	3.84	4.08	5.01	3.74	3.37	7.57	8.58	3.40	19.89	2.48	3.42	0.06	0.14		0.15	0.20	0.00	7.36	1.55	10.32	1.72		100
Kedamay Weyane	7.73	2.56	3.19	2.66	4.03	4.41	5.17	6.51	9.38	3.37	19.33	4.32	7.38	0.04	0.55	0.37	0.12	0.23	0.04	6.88	1.34	8.71	1.58	0.11	100
Hawelti	9.93	4.13	4.40	5.03	4.96	4.51	5.92	7.35	9.54	3.94	16.53	3.02	2.94	0.22		0.08	0.27	0.08	0.00	4.83	1.32	9.88	0.82	0.30	100
Adi Haki	10.21	4.58	4.92	4.48	6.29	5.03	5.16	4.88	9.54	4.47	16.30	2.37	3.28	0.07	0.62	0.26	0.23	0.36	0.10	5.54	1.34	8.27	1.62	0.07	100
Hadnet	8.94	3.33	4.59	5.77	4.11	4.08	4.47	6.04	9.30	3.98	15.39	2.25	6.04	0.09	0.29	0.07	0.20	0.11	0.06	7.42	0.42	12.08	0.98		100
Emba Alaje	7.09	6.79	8.17	5.68	5.67	5.32	6.49	7.06	7.38	6.29	17.21	2.56	2.76		0.24	0.34	0.15	0.30	0.00	3.80	0.56	5.57	0.56		100
Selewa	7.47	6.90	5.99	10.44	7.64	7.44	6.55	9.47	8.12	5.41	16.25	0.91	1.58						0.00	3.00	0.11	2.40		0.33	100
Bora	5.08	6.48	8.89	13.92	9.17	6.82	7.11	7.44	9.97	4.47	15.85	1.22	2.27				0.11		0.27	0.92					100
Neqsege	3.34	8.24	11.22	14.69	11.72	6.67	10.12	6.03	7.17	4.10	12.05	2.12	1.48				0.17	0.31	0.00	0.29		0.15		0.13	100
Enda mekoni	5.81	6.25	7.91	7.71	7.02	7.34	7.37	6.18	8.44	4.92	20.92	2.34	1.96	0.29	0.59	0.95	0.52	0.10	0.00	1.13	0.44	1.34		0.46	100
Maichew	9.02	2.93	4.33	3.22	4.63	3.06	2.99	5.97	6.65	3.89	19.09	3.68	4.30	0.20	0.39	0.94	1.18	1.58	0.27	7.00	1.15	11.80	1.35	0.38	100
Mekoni town	8.81	4.30	4.15	5.78	5.55	5.07	4.33	6.96	8.33	3.48	23.27	3.04	3.04	0.15	0.15	0.55	0.22		0.11	3.44	1.15	7.78	0.33		100
Raya Azebo	9.57	7.71	12.59	12.61	10.90	10.00	7.72	7.53	5.52	2.88	9.84	0.73	0.87		0.29	0.15	0.16		0.00	0.29	0.07	0.58			100
Raya Chercher	8.12	10.42	12.65	11.68	9.96	7.58	4.93	7.10	4.78	3.20	13.12	0.65	2.10			0.10			0.00	0.75	0.43	2.31		0.10	100
Total	**7.67**	**6.38**	**6.84**	**7.20**	**7.79**	**6.93**	**6.83**	**8.06**	**9.61**	**4.61**	**14.71**	**2.08**	**2.72**	**0.08**	**0.22**	**0.28**	**0.20**	**0.17**	**0.03**	**2.62**	**0.67**	**3.84**	**0.31**	**0.15**	**100**

5.4 School age population, gross and net enrolments at Primary and secondary schools

This section presents estimated school age population, gross and net enrollment rates, for, primary and secondary schools. Results are presented per regional, place of residence and woreda. Regional level estimates indicated that total population, aged from 7 to 14 years (official school age for preprimary) are about 1,366,525. Similarly, secondary school age population, aged 15-18, are estimated to be 953,891.

Regional wise, gross enrolment rates for both sexes in primary and secondary school are found to be 98%, and41% respectively. Similarly, net enrolment rates for both sexes are found to be 69% in primary and 19% in secondary school.

The difference between gross and net enrolment indicated that significance numbers of over-age students are enrolled in both primary and secondary schools. (See details in Table 4.4 below)

Table 0-4: School age population, gross and net enrolments at Primary and secondary schools-TSES 2024

Characteristics	School age population and gross enrolments at Primary and secondary schools(weighted)						Net enrolments at Primary and secondary schools(weighted)			
	Enrolment at primary level	Population of official primary school age	Enrolment at Secondary schools	Population of official Secondary school age	Enrolment Gross Ratio(GER) at primary schools	Enrolment Gross Ratio(GER) at Secondary schools	Enrolment of official primary school age	Enrolment of official Secondary school age	Net Enrolment Ratio (NER) at primary schools	Net Enrolment Ratio(NER) at secondary school
Total	**1344489**	**1366525**	**303735**	**733034**	**98.39**	**41.44**	**953891**	**141031**	**69.80**	**19.24**
place of residence										
Urban	667936	606733	177075	318043	110.09	55.68	476579	86904	78.55	27.32
Rural	676553	759792	126659	414991	89.04	30.52	477312	54127	62.82	13.04
Woreda										
IDP	243718	243050	35445	126955	100.27	27.92	154190	13765	63.44	10.84
Tsimbila	9627	18483	1080	11670	52.08	9.25	5153	411	27.88	3.52
Endabguna	8133	6827	2460	4038	119.11	60.92	5731	1262	83.95	31.25
Asgede	16265	19631	1688	10866	82.85	15.54	11887	731	60.55	6.73
Tahtay Adyabo	16819	26545	1865	15334	63.36	12.16	12496	795	47.08	5.18
Sheraro	7163	6247	2942	3293	114.66	89.35	5322	1235	85.20	37.50
Maekel Adyabo	7648	8461	1766	4867	90.40	36.29	5427	1040	64.14	21.37
Seymti Adyabo	5084	11158	144	5664	45.56	2.54	4111	24	36.84	0.43
Aidaero	32809	41716	5851	21803	78.65	26.84	23643	2313	56.68	10.61
tahtay Koraro	23785	20049	5828	11680	118.63	49.90	16359	2623	81.60	22.45
Shire Endaselassie	35819	29287	9544	15096	122.30	63.23	25613	4322	87.46	28.63
Zana	13476	15294	3499	8645	88.11	40.47	9629	1083	62.96	12.53
Laelay koraro	24022	24129	6257	11918	99.56	52.50	17787	3036	73.72	25.48
Chila	6569	11320	1028	5788	58.03	17.75	4731	440	41.79	7.60
Tahtay maichew	22827	20861	7706	10343	109.42	74.50	16783	4354	80.45	42.10
Adet	11193	14886	3066	6903	75.19	44.41	8050	1028	54.08	14.89
Laelay Maichew	12131	12063	3474	8899	100.56	39.04	8138	1772	67.46	19.91

Characteristics	School age population and gross enrolments at Primary and secondary schools(weighted)						Net enrolments at Primary and secondary schools(weighted)			
	Enrolment at primary level	Population of official primary school age	Enrolment at Secondary schools	Population of official Secondary school age	Enrolment Gross Ratio(GER) at primary schools	Enrolment Gross Ratio(GER) at Secondary schools	Enrolment of official primary school age	Enrolment of official Secondary school age	Net Enrolment Ratio (NER) at primary schools	Net Enrolment Ratio(NER) at secondary school
Axum town	16912	15050	6680	8238	112.37	81.09	13132	4071	87.25	49.42
Neader	14033	14080	4782	7642	99.66	62.57	9503	1732	67.49	22.66
Kola temben	24080	22449	9513	13329	107.26	71.38	16717	3744	74.47	28.09
Abegele	22521	24504	3573	11432	91.91	31.26	17281	1907	70.52	16.68
Tanqua milash	13234	11998	3894	7476	110.30	52.09	9349	1440	77.92	19.26
Abiadi	6760	5829	2202	3346	115.98	65.82	4689	855	80.44	25.56
Keyih tekli	13244	16107	1307	6524	82.23	20.03	9794	638	60.80	9.77
Mai kinetal	15846	14857	3957	7556	106.66	52.37	11469	1752	77.20	23.19
Endabatsehama	23947	20741	8080	10816	115.45	74.71	16437	3609	79.25	33.37
Embasineyti	12553	10706	2494	6772	117.26	36.82	8827	1226	82.45	18.10
Hahayle	20690	19829	5960	11985	104.34	49.73	14160	2417	71.41	20.17
Wereda Adwa	27528	22978	7628	14091	119.80	54.13	19149	3474	83.34	24.66
Adwa town	19208	15723	9402	8374	122.17	112.28	14478	4449	92.09	53.13
Rama	12014	11209	2105	5345	107.18	39.38	8028	595	71.62	11.13
Ahsea	8614	10009	2759	5536	86.06	49.84	5411	861	54.07	15.55
Egela	13260	12357	886	6875	107.31	12.89	9523	600	77.07	8.73
Ahferom	17896	14668	4599	9217	122.01	49.90	11878	2094	80.98	22.72
Enticho town	4020	3392	1359	1788	118.53	76.01	3052	812	89.99	45.41
Bizet	6456	5071	1719	3338	127.30	51.49	4686	945	92.41	28.31
Gulomekeda	11525	10466	1688	5172	110.11	32.63	9089	764	86.84	14.77
Erob	8076	6540	2389	3932	123.47	60.76	5540	1326	84.71	33.72
Subha sasei	11854	12141	1186	5727	97.63	20.72	9212	707	75.87	12.34
Edaga hamus	7826	6822	2236	3394	114.71	65.89	6409	1492	93.94	43.96
Ganta afeshum	22237	17384	4524	9391	127.91	48.18	16266	2404	93.57	25.60
Adigrat	26342	20414	9428	11776	129.04	80.06	18594	4955	91.09	42.08
Wereda Hawzen	20173	19486	2674	9205	103.53	29.05	15171	1659	77.86	18.02

Characteristics	School age population and gross enrolments at Primary and secondary schools(weighted)						Net enrolments at Primary and secondary schools(weighted)			
	Enrolment at primary level	Population of official primary school age	Enrolment at Secondary schools	Population of official Secondary school age	Enrolment Gross Ratio(GER) at primary schools	Enrolment Gross Ratio(GER) at Secondary schools	Enrolment of official primary school age	Enrolment of official Secondary school age	Net Enrolment Ratio (NER) at primary schools	Net Enrolment Ratio(NER) at secondary school
Hawzen	8515	6468	1272	3980	131.65	31.97	5746	644	88.83	16.18
Tsaeda Emab	15789	14718	2001	8442	107.27	23.70	12087	1187	82.13	14.06
Freweini town	3865	3266	1373	1780	118.33	77.16	3113	802	95.31	45.03
Atsbi	10980	10999	781	6619	99.83	11.81	8226	398	74.79	6.01
Atsbi town	4987	4306	890	1819	115.80	48.96	3830	476	88.93	26.18
Tsirae wemberta	19620	19337	3255	10270	101.46	31.69	14641	1405	75.71	13.68
Wukro	10505	9761	3422	5119	107.63	66.85	8147	2106	83.46	41.13
Kilte Awlaelo	14150	13798	2496	8114	102.55	30.76	10359	1313	75.08	16.18
Gerealta	10227	12717	1408	5557	80.42	25.34	7505	655	59.01	11.79
Degua temben	9370	14493	847	6254	64.66	13.54	7506	309	51.79	4.94
Hagereselam	2094	1831	732	1020	114.38	71.73	1561	362	85.25	35.46
Enderta	44610	48685	4109	24820	91.63	16.56	32939	1720	67.66	6.93
Seharti	18191	29406	2404	15730	61.86	15.28	12814	1004	43.57	6.38
Samre	12106	17380	4054	9221	69.65	43.96	8159	1934	46.95	20.97
Hintalo	28475	25171	6402	15444	113.13	41.46	18943	2902	75.26	18.79
Adigudem	3893	3236	1405	1875	120.31	74.93	2723	700	84.14	37.35
Wajirat	8607	11738	1463	6698	73.32	21.84	6576	416	56.02	6.21
Ayder	18470	16741	5592	8643	110.33	64.70	14727	2986	87.97	34.55
Semen	16149	13768	6542	7767	117.29	84.22	11898	2864	86.41	36.87
Quiha	8244	7269	3345	3458	113.42	96.72	6378	1430	87.74	41.34
Kedamay Weyane	5805	4359	2416	3357	133.17	71.98	3890	955	89.22	28.46
Hawelti	24013	19787	7638	12645	121.35	60.40	18312	4027	92.55	31.85
Adi Haki	21365	18487	6279	8162	115.56	76.94	17006	3421	91.99	41.92
Hadnet	29887	26358	10115	14952	113.39	67.65	23151	5531	87.83	36.99
Emba Alaje	10597	13989	2737	6853	75.75	39.93	6879	1514	49.17	22.09
Selewa	8291	9942	1919	4783	83.40	40.12	5734	988	57.68	20.66

Characteristics	School age population and gross enrolments at Primary and secondary schools(weighted)						Net enrolments at Primary and secondary schools(weighted)			
	Enrolment at primary level	Population of official primary school age	Enrolment at Secondary schools	Population of official Secondary school age	Enrolment Gross Ratio(GER) at primary schools	Enrolment Gross Ratio(GER) at Secondary schools	Enrolment of official primary school age	Enrolment of official Secondary school age	Net Enrolment Ratio (NER) at primary schools	Net Enrolment Ratio(NER) at secondary school
Bora	5476	5835	690	2789	93.85	24.73	3378	225	57.89	8.08
Neqsege	5223	8871	750	4121	58.88	18.20	4001	298	45.10	7.24
Enda mekoni	10248	14506	2856	7516	70.64	38.00	7073	1054	48.76	14.03
Maichew	7887	6573	3372	4065	120.01	82.96	5626	1812	85.59	44.57
Mekoni town	27488	26054	9213	12658	105.50	72.79	21408	4065	82.17	32.12
Raya Azebo	16405	23838	865	12691	68.82	6.82	12591	508	52.82	4.00
Raya Chercher	5027	8019	422	3774	62.69	11.17	4071	258	50.77	6.84
Total	**1344489**	**1366525**	**303735**	**733034**	**98.39**	**41.44**	**953891**	**141031**	**69.80**	**19.24**

5.5 Average Time taken to get primary and secondary school

School distance from residential houses is an influential factor in encouraging children to go to school and attend properly. In this survey this indicator is measured by asking the time taking to get schools.

Regional level estimates indicated that on average a student travel for 27 minutes to access primary school and for 38 minutes to get access to secondary school.

Average time taken to get school in terms of residence has shown a significance difference. Rural dweller students on average travel for 33 and 56 minutes to get access to primary and secondary school respectively. Similarly, urban dweller students travel for 21 and 25 minutes.

Total estimate of the 75 woredas and IDP camps indicated that about 21% students traveled for more than 30minutes, and 5% for more than an hour, to get access to primary school while 66% and 15% students at secondary level travel for more than 30minutes and an hour respectively.

About 33% rural and 8% urban dwellers of primary level students travel for more than 30 minutes while 8% rural and 2% urban resident students travel for more than an hour to get access for primary school. Similarly, 58% rural and 20% urban resident students at secondary level travel for more than 30 minutes, and 30%rural and 5%urban dwellers travel for more than an hour. (See more in table 4.5 below)

Table 0-5: Average time taken to get primary and secondary school by place of residence and woreda-TSES-2024

Characteristics	Average Time taken to get primary school				Average Time taken to get Secondary school			
	Mean time in Minute(weighted)	Std. err.	[95% conf. interval]		Mean time in Minute(weighted)	Std. err.	[95% conf. interval]	
Total	**27.51**	**0.23**	**27.06**	**27.96**	**38.74**	**0.64**	**37.47**	**40.00**
Urban	21.14	0.35	20.45	21.84	25.63	0.50	24.65	26.62
Rural	33.87	0.25	33.37	34.37	56.85	1.15	54.60	59.11
Woreda								
IDP	19.91	0.88	18.18	21.64	24.50	2.06	20.47	28.53
Tsimbila	34.12	2.39	29.43	38.81	39.35	8.33	23.03	55.67
Endabguna	21.44	0.81	19.85	23.03	24.51	2.77	19.08	29.94
Asgede	24.70	1.35	22.05	27.35	38.24	8.54	21.49	54.99
Tahtay Adyabo	28.72	1.15	26.48	30.97	111.21	31.09	50.26	172.16
Sheraro	30.25	1.22	27.86	32.64	29.87	1.56	26.80	32.93
Maekel Adyabo	26.00	0.86	24.30	27.69	26.82	1.18	24.50	29.14
Seymti Adyabo	28.85	1.58	25.76	31.94	31.89	5.53	21.05	42.74
Aidaero	25.04	1.86	21.40	28.68	27.19	3.46	20.40	33.98
tahtay Koraro	27.33	0.84	25.69	28.97	45.49	3.06	39.49	51.50
Shire Endaselassie	19.74	0.56	18.64	20.84	29.90	2.78	24.44	35.35
Zana	33.58	1.69	30.27	36.89	58.71	6.37	46.21	71.20
Laelay koraro	21.92	0.74	20.46	23.37	37.02	3.47	30.22	43.81
Chila	24.82	1.02	22.83	26.81	36.36	4.66	27.22	45.50
Tahtay maichew	26.09	1.08	23.96	28.21	36.63	2.65	31.44	41.82
Adet	47.84	3.28	41.41	54.26	76.17	12.36	51.93	100.40
Laelay Maichew	27.28	1.37	24.60	29.96	49.11	5.74	37.85	60.36
Axum town	25.78	1.98	21.90	29.66	25.36	1.21	23.00	27.72
Neader	39.49	1.50	36.54	42.44	52.95	5.93	41.33	64.57
Kola temben	26.20	0.83	24.58	27.82	61.16	4.85	51.64	70.67
Abegele	25.07	1.16	22.80	27.34	44.41	4.56	35.46	53.35

Characteristics	Average Time taken to get primary school				Average Time taken to get Secondary school			
	Mean time in Minute(weighted)	Std. err.	[95% conf. interval]		Mean time in Minute(weighted)	Std. err.	[95% conf. interval]	
Tanqua milash	37.43	1.46	34.57	40.29	82.79	4.75	73.49	92.10
Abiadi	22.02	2.33	17.44	26.59	30.64	2.97	24.81	36.48
Keyih tekli	26.33	1.05	24.27	28.39	57.00	9.88	37.62	76.37
Mai kinetal	34.75	0.95	32.89	36.62	52.13	3.86	44.56	59.69
Endabatsehama	27.61	1.03	25.60	29.62	38.79	3.16	32.59	44.99
Embasineyti	27.61	1.16	25.33	29.89	60.31	8.65	43.36	77.26
Hahayle	43.06	2.06	39.02	47.09	58.47	3.90	50.82	66.11
Wereda Adwa	30.59	1.40	27.85	33.33	61.28	5.04	51.40	71.16
Adwa town	23.08	0.85	21.41	24.76	25.65	1.71	22.29	29.00
Rama	24.87	1.11	22.70	27.04	37.98	6.78	24.69	51.26
Ahsea	36.40	1.67	33.13	39.67	44.46	4.53	35.58	53.35
Egela	25.91	1.33	23.29	28.52	22.93	4.75	13.62	32.23
Ahferom	48.99	1.49	46.07	51.90	72.40	5.99	60.66	84.13
Enticho town	18.69	0.88	16.97	20.42	22.63	1.73	19.24	26.01
Bizet	28.12	1.29	25.60	30.64	43.05	5.27	32.71	53.39
Gulomekeda	49.38	2.10	45.26	53.50	64.39	8.67	47.39	81.39
Erob	45.80	1.42	43.01	48.59	36.44	3.10	30.35	42.52
Subha sasei	80.32	4.25	71.99	88.66	119.73	15.99	88.37	151.08
Edaga hamus	16.66	0.47	15.73	17.58	16.77	0.67	15.45	18.08
Ganta afeshum	34.65	1.38	31.94	37.35	50.34	5.10	40.33	60.35
Adigrat	22.11	0.61	20.91	23.31	25.93	1.25	23.48	28.38
Wereda Hawzen	34.97	0.84	33.33	36.61	64.57	7.87	49.13	80.00
Hawzen	25.94	1.05	23.88	27.99	27.27	1.54	24.26	30.28
Tsaeda Emab	30.49	0.99	28.55	32.43	61.61	7.22	47.46	75.76
Freweini town	26.61	1.99	22.71	30.51	32.99	1.76	29.55	36.43
Atsbi	31.37	1.31	28.80	33.95	48.58	7.45	33.98	63.19
Atsbi town	18.16	0.83	16.52	19.79	25.11	1.67	21.85	28.38
Tsirae wemberta	27.80	1.09	25.67	29.93	28.11	2.22	23.77	32.46
Wukro	24.80	0.61	23.60	26.01	22.93	1.16	20.65	25.21
Kilte Awlaelo	28.03	1.09	25.89	30.17	35.17	3.53	28.25	42.09
Gerealta	26.64	1.17	24.35	28.93	44.02	6.49	31.30	56.74

Characteristics	Average Time taken to get primary school				Average Time taken to get Secondary school			
	Mean time in Minute(weighted)	Std. err.	[95% conf. interval]		Mean time in Minute(weighted)	Std. err.	[95% conf. interval]	
Degua temben	28.55	1.25	26.10	31.00	40.48	5.07	30.55	50.42
Hagereselam	21.29	0.77	19.78	22.80	23.76	1.56	20.71	26.81
Enderta	27.33	1.02	25.33	29.33	50.24	5.37	39.71	60.78
Seharti	40.59	2.07	36.52	44.66	49.21	6.26	36.94	61.48
Samre	29.29	1.28	26.78	31.80	51.96	5.38	41.42	62.51
Hintalo	41.45	1.90	37.72	45.18	49.22	4.77	39.87	58.58
Adigudem	18.22	0.94	16.38	20.07	18.50	1.02	16.51	20.49
Wajirat	31.94	1.48	29.03	34.84	43.33	5.66	32.24	54.42
Ayder	23.79	0.45	22.90	24.68	25.94	1.07	23.85	28.03
Semen	23.81	1.06	21.72	25.89	23.60	1.08	21.49	25.72
Quiha	24.18	0.64	22.91	25.44	29.73	1.41	26.96	32.51
Kedamay Weyane	18.17	0.57	17.05	19.29	18.70	1.23	16.29	21.11
Hawelti	22.79	0.68	21.45	24.12	28.46	1.33	25.86	31.07
Adi Haki	21.19	0.78	19.66	22.73	27.23	1.75	23.80	30.65
Hadnet	24.93	0.90	23.16	26.69	27.40	1.41	24.64	30.16
Emba Alaje	33.10	0.79	31.55	34.65	49.54	2.70	44.25	54.84
Selewa	37.94	1.74	34.52	41.35	57.63	7.07	43.78	71.48
Bora	38.78	1.67	35.51	42.04	85.96	17.16	52.31	119.61
Neqsege	24.90	1.02	22.91	26.90	33.33	4.74	24.03	42.63
Enda mekoni	31.23	1.13	29.03	33.44	40.27	4.69	31.08	49.47
Maichew	19.30	0.64	18.05	20.55	23.10	1.18	20.78	25.42
Mekoni town	21.18	0.82	19.58	22.79	24.07	1.26	21.59	26.55
Raya Azebo	25.29	1.49	22.37	28.21	37.91	4.21	29.66	46.16
Raya Chercher	26.75	0.94	24.92	28.59	26.40	4.34	17.89	34.91
Total	**27.51**	**0.23**	**27.06**	**27.96**	**38.74**	**0.64**	**37.47**	**40.00**

CHAPTER FIVE

HEALTH

5.2 Prevalence of disease and Health service utilization

5.2.1 Seeking for healthcare services

As part of the socioeconomic survey, respondents were asked whether they had sought healthcare services—either at a health facility or from a traditional healer—during the four weeks preceding the survey, regardless of whether they experienced illness. Overall, 13.46% of respondents reported having consulted a healthcare provider or traditional healer during the reference period.

When disaggregated by gender, 14.53% of women and 12.35% of men reported seeking care. According to the survey, the highest rate of healthcare consultation was observed among individuals aged 60 and above 26% for men and 25.38% for women. Additionally, household heads with primary education (23.45%) and those with no formal education (22.40%) were more likely to seek healthcare services compared to those with higher levels of education (see Table 5.1).

Further disaggregation by residence shows that urban residents reported a higher rate of health consultations (14.51%) compared to rural residents (12.82%). By zone, the highest rates of healthcare consultation were recorded in the Northwestern Zone (17.24%), followed by the Central Zone (14.00%), with the lowest rate observed in the Southeastern Zone (9.53%). At the woreda level, the highest consultation rates were found in Asgede (35.92%) and Abi Adi (24.17%), while the lowest were recorded in Seharti (4.93%) and Chila (5.17%) (see Table 5.1).

Among internally displaced persons (IDPs) residing in the surveyed woredas, 12.08% reported having consulted a healthcare provider or traditional healer during the reference period. Female IDPs (13.58%) were more likely than male IDPs (10.47%) to seek healthcare. In terms of age, 43.08% of IDP healthcare consultations involved individuals aged 60 and

above, whereas children aged 5 to 17 years accounted for only 6.70% of the consultations (see Table 4.1).

5.2.2 Reasons for Seeking Health Care Services

The primary reason reported for visiting a health facility within the four weeks preceding the survey was new or acute illness, accounting for 4.23% of respondents. This was followed by general healthcare not related to pregnancy (3.33%), appointments for chronic or previously diagnosed conditions (2.90%), new injuries (1.49%), and follow-up visits related to prior injuries or accidents (1.39%).

To estimate the prevalence of prenatal checkups and deliveries, the total number of women of reproductive age (15–49 years) was used as the denominator. Based on this, 1.38% of women reported attending prenatal checkups, while only 0.65% reported giving birth at a health center during the reference period—representing the lowest shares among all reasons for seeking healthcare services.

Among internally displaced persons (IDPs), the leading reasons for healthcare consultations were consistent with the general population, with acute illness being the most common (4.47%), followed by general healthcare not related to pregnancy (2.97%) and appointments for chronic or previously diagnosed conditions (2.87%).

Consultations due to acute illness or injury were more prevalent among older individuals. Specifically, 6.70% of IDPs aged 60 and above sought care for acute illness, followed by 5.46% of children under the age of five. When disaggregated by sex, men were slightly more likely to seek care for acute illness (4.31%) compared to women (4.16%).

Educational attainment also influenced healthcare-seeking behavior. Household heads with primary education reported the highest rate of consultations due to acute illness (6.39%), while those with secondary education reported the lowest (5.02%). Rural residents had a slightly higher consultation rate for acute illness (4.30%) than urban residents (4.12%). At the zonal level, the Northwestern Zone recorded the highest prevalence of acute illness consultations (6.35%), while the Southern Zone reported the lowest (0.70%) (see Table 5.2).

5.2.3 Prevalence of Illness or Injury

According to the results of the socioeconomic survey, the prevalence of self-reported illness or injury within the four weeks preceding the survey was 7.11%. This rate was nearly identical across sexes, with 7.12% reported among women and 7.10% among men.

The prevalence varied considerably by age group, with the highest rate observed among individuals aged 60 and above (15.49%), followed by adults aged 18 to 59 (7.68%). Among children under five, the prevalence was 7.21% for boys and 5.92% for girls. Geographically, the Northwestern Zone reported the highest prevalence among both men (10.61%) and women (9.83%), while the lowest was observed in Mekelle City—5.17% for men and 5.30% for women. Rural residents reported a higher prevalence of illness or injury (7.61%) compared to urban residents (6.29%).

Morbidity was also associated with educational attainment. Among individuals with no formal education, women reported a prevalence of 14.41% and men 11.41%. In contrast, illness rates were relatively similar across sexes for other levels of education. At the woreda level, the highest prevalence of illness or injury was reported in Asgede (30.21%) and Tahtay Adyabo (18.09%), while the lowest was recorded in Neqsege (1.08%) and Emba Alaje (0.40%).

Among internally displaced persons (IDPs), 8.18% reported illness or injury during the reference period. The prevalence was slightly higher among women (8.62%) compared to men (7.71%). By age, the highest rate was reported among IDPs aged 60 and above (20.05%), while the lowest was found among children aged 5 to 17 years (4.23%) (see Table 5.3).

5.2.4 Prevalence of sickness or injury

The socioeconomic survey, conducted across all woreda’s under the interim administration, collected self-reported data on illness and injury experienced by individuals during the four weeks preceding the survey. Among the reported types of illness or injury, malaria had the highest prevalence (1.49%), followed by physical injury (0.79%). Diarrhea was particularly prevalent among children under five (1.43%) compared to other age groups. Additionally, 2.58% of respondents reported other types of illness or injury not classified under the primary

categories. In contrast, dental disease (0.17%) and hunger-related illness (0.24%) were among the least reported conditions.

Malaria prevalence was highest among individuals aged 60 and above (1.80%), followed by adults aged 18–59 (1.62%) and children under five (1.27%). Significant gender disparities were observed: 1.73% of men reported malaria, compared to 1.27% of women. A notable urban-rural divide was also evident, with rural residents reporting significantly higher malaria prevalence (1.98%) than urban residents (0.70%).

At the zonal level, malaria was most prevalent in the Northwestern Zone (3.73%) and least prevalent in Mekelle City (0.09%). Diarrhea was more common in the Central (0.85%) and Southern Zone (0.75%) and least prevalent in Mekelle (0.39%). Hunger-related illness was most frequently reported in the Northwestern (0.29%) and Central Zone (0.27%), with the lowest rate observed in the Southern Zone (0.19%).

Hunger-related illness was also more common among household heads with no formal education (0.61%). Tuberculosis (TB) prevalence stood at 0.20% in rural areas and 0.56% in urban areas. Educational attainment appeared to be inversely related to TB prevalence: 1.01% of household heads with no education reported TB, compared to just 0.08% among those with tertiary education (see Table 5.4 for detailed figures).

5.2.5 Health Providers Consulted for Illness or Injury

Respondents who reported illness or injury within the previous four weeks were asked to identify the primary type of health provider or traditional healer they consulted which doctors were the most frequently consulted health professionals that accounted for about 52.98% of all consultations, followed by nurses (17.11%). Midwives represented the least consulted category, with only 0.14% of cases, but traditional healers were more frequently consulted in rural areas (4.91%) compared to urban areas (3.02%).

Consultations with doctors were notably higher among urban residents (66.87%) than rural residents (45.85%). Educational attainment was positively associated with doctor consultations where about 74.51% of household heads with tertiary education sought health care service from doctors, compared to 53.43% of those with no formal education.

Geographically, Mekelle recorded the highest number or proportion (71.10%) wahere doctors were more frequently consulted, while Northwestern Zone reported the lowest (42.43%). When disaggregated by woreda level, the highest proportions of doctor consultations were observed in Axum (95.44%) and Adigrat (88.27%). In contrast, Seyemti Adyabo (18.05%) and Abyiadi (19.48%) had the lowest rates of doctor consultations.

Approximately 7.60% of respondents who experienced illness or injury did not seek any form of medical assistance. Non-utilization of health services was highest among individuals aged 60 and above (11.72%) and lowest among children aged 0–4 years (4.26%). Regionally, the Central Zone reported the highest non-consultation rate (10.81%), while the Southern Zone reported the lowest (3.59%). Rural residents were more likely not to seek healthcare services (9.28%) than urban residents (4.31%). At woreda level, the highest proportions of individuals who did not seek any medical assistance were reported in Hahayle (28.09%), Maykinetal (27.38%), and Abergele (27.25%).

Among internally displaced persons (IDPs), the majority (76.92%) of respondents have consulted doctors, followed by traditional healers (10.51%) and nurses (4.32%). Notably, none of the IDPs who reported illness or injury went without consulting a health provider (Table 5.5).

5.2.6 Place of health facility visited

This survey assessed the types of health facilities visited by individuals who experienced illness or injury during the four weeks preceding data collection. Among respondents, the most frequently reported facility type was hospitals (43.69%), followed by health centers (28.75%). Other facilities included pharmacies (10.22%), clinics (7.15%), health posts (5.42%), and traditional healers (2.78%). In comparison, data from the 2018/19 Ethiopian.

When disaggregated by sex, hospital visits were reported by 43.96% of men and 43.41% of women. Hospital visit was highest among individuals aged 60 and above (52.91%), suggesting a correlation between age and use of higher-level health services. The visit to health services also varied geographically. For example, hospital visits were most common in Axum town (88.23%) and least common in Seyemti Adyabo (15.36%). However, in Seyemti

Adyabo, visits to health centers were comparatively high (71.52%). Vists to hospital was significantly higher in urban areas (55.59%) compared to rural areas (37.24%).

Educational attainment also influenced health facility choice. Among household heads with tertiary education, 67.51% reported hospital visits, compared to 47.31% of those with no formal education. A small proportion (2.78%) of respondents visited traditional healers, while 0.66% sought at religious or spiritual healing centers. Traditional healer visits were more common among household heads with no education (3.11%). The highest rates of traditional healer visits were reported in Gulomekeda (13.36%) and Tsimbla (9.53%). Among internally displaced persons (IDPs), 44.21% reported visiting hospitals, followed by health posts (24.30%), health centers (14.73%), and traditional healers like holly water known as "machelot" (4.36%). Only 1.31% of IDPs consulted traditional healers during the reference period (see Table 5.6).

5.2.7 Frequency of consultation and absence from activity

Survey participants were asked about the time required to reach healthcare facilities and the number of days they were unable to engage in daily activities due to illness or injury. Given the non-normal distribution of these variables, the median and interquartile range (IQR) was used for analysis. The median number of days respondents reported being absent from daily activities due to illness or injury during the four-week recall period was 5 days, with an IQR of 12 days. When disaggregated by sex, men reported a median absence of 5 days, compared to 4 days for women. By place of residence, the median absence was 3 days in urban areas and 5 days in rural areas.

At the zonal level, the Central Zone reported a median of 5 days (IQR: 12), while the Eastern Zone recorded a lower median of 3 days (IQR: 9). Regarding access to health services, the median travel time to reach a health facility was one hour. This time was significantly higher for rural residents, who reported a median of 1.5 hours, compared to 30 minutes for urban residents (Table 5.7 for detailed statistics).

5.2.8 Main reason for not consulting a healthcare provider or traditional healer

In the 75 woredas of Tigray which are currently under the interim administration, respondents who experienced illness or injury but did not consult a healthcare provider or traditional healer during the four weeks preceding the survey were asked to report their primary reason. The most frequently cited reason was lack of money, accounting for 73.49% of responses. As this implicate the need for the revitalization health insurance program, it policy implication is high. Lack of money as primary reason for not consulting a healthcare provider was followed by distance from health facilities (12.27%), lack of interest for medical assistance (5.17%), and not beliving in modern medicine (3.52%).

When assessed by age group, financial constraints were most prominent among adults aged 18 to 59 years (77.53%) and children under five (72.79%). On the other hand, about 89.93% of household heads with tertiary education cited lack of money as the main barrier to seeking healthcare service, followed by those with primary education (78.12%). Gender differences were also observed where 74.61% of female-headed households reported financial constraints as their main reason, compared to 72.00% of male-headed households.

By residence, 81.92% of urban residents and 71.48% of rural residents cited financial barriers to accessing health care. Across zones, the Southeastern Zone reported the highest proportion of respondents citing lack of money (84.76%), followed by Mekelle (81.28%). The Northwestern Zone recorded the lowest proportion (66.51%).

Distance to health facilities also emerged as a significant barrier of access to healthcare services. Among rural respondents who did not seek healthcare, 15.19% reported that the facility was too far. This reason was not reported among urban respondents. Zonal breakdowns show that distance was most frequently cited in the Northwestern Zone (17.42%) and the Central Zone (16.21%), and least in the Southeastern Zone (1.98%) and Mekelle (0.00%) (Table 5.8 for detailed statistics).

5.2.9 Prevalence of Illness or Injury in the Past 12 Months

In the boundaries of Tigray, under the interim administration, the overall prevalence of self-reported illness or injury within the 12 months preceding the survey was 22.27%. When disaggregated by sex, the prevalence was 21.93% among men and 24.80% among women. Illness or injury was most prevalent among older adults where 42.75% of individuals aged 60 and above reported experiencing illness or injury, a pattern consistent across both sexes. Among younger age groups, prevalence was 19.52% for children under five and 13.37% for those aged 5 to 17 years. This survey hints that, excluding household heads that had no education, the prevalence of illness decreases as the educational attainment of household heads increases. Specifically, household heads with primary education (40.09 %) followed by tertiary education (38.65%) had a higher prevalence of illness and injury.

By place of residence, 25.43% of urban residents and 22.14% of rural residents reported illness or injury in the past year. In urban areas, sex-disaggregated data show a substantial difference where 22.74% of men and 27.75% of women reported illness. In rural areas, the gap between men and women was narrower. Geographically, the Northwestern Zone and Mekelle City reported the highest prevalence rates, while the Southeastern Zone recorded the lowest (16.62%). At the woreda level, illness prevalence was highest in Asgede (47.87%) and Maychew (39.86%), and lowest in Kilte Awlaelo (9.80%) and Chila (7.55%).

Among internally displaced persons (IDPs), 25.42% reported illness or injury in the previous 12 months. Women had a slightly higher prevalence (27.10%) than men (23.61%). Age-wise, the highest illness rates among IDPs were observed in the 60+ age group (62.12%), followed by adults aged 18–59 (36.24%), and children under five (28.52%). The lowest rate was among IDPs aged 5 to 17 years (15.83%) (Table 5.9 for detailed breakdown).

5.2.10 Frequency of Health Facility Visits and Health Expenditures

As part of the socioeconomic survey, participants were asked about the frequency of visits to modern healthcare institutions or traditional healers, as well as health-related expenditures incurred due to illness or injury. Given the skewed distribution of the data, median values and interquartile ranges (IQRs) were used to summarize the results.

For individuals who experienced illness or injury in the four weeks preceding the survey, the median household expenditure on health services was 600 birr, with an IQR of 2,300 birr. The highest median health expenditure was recorded in Mekelle City (1,200 birr), while the lowest was in the Central Zone (500 birr). Health spending was also positively correlated with education where household heads with tertiary education reported the highest median expenditure at 1,500 birr. Over a 12-month period, the median health expenditure rose to 1,200 birr with an IQR of 4,700 birr. Again, Mekelle city recorded the highest spending, with a median of 2,000 birr and IQR of 5,500 birr, while the Southeastern Zone reported the lowest (median of 1,000 birr and IQR of 4,850 birr). By residence, urban households had a higher median expenditure (1,500 birr) compared to rural households (1,000 birr).

When disaggregated by woreda level, Raya Chercher (5,000 birr) and Seyemti Adyabo (3,900 birr) recorded the highest median expenditures for medical treatment in the past year. In contrast, Tsirae-Womberta and Degua-Temben reported zero median expenditure, indicating no spending among those surveyed. In terms of frequency of healthcare utilization, respondents reported visiting a health facility or traditional healer a median of three times per year due to illness or injury (Table 5.10)

5.2.11 Prevalence of Chronic Disease

According to results of the socioeconomic survey (SES), the prevalence of chronic illness was reported at 6.14%. This rate was higher among women (6.96%) compared to men (5.29%). Chronic disease prevalence increased significantly with age, reaching 22.07% among individuals aged 60 years and above, while it remained low among children under five (0.66%). A substantial gender disparity was observed among household heads with no formal education where 22.25% of women in this group reported chronic conditions compared to 12.42% of men. By place of residence, 6.90% of urban residents and 5.67% of rural residents reported chronic diseases.

Zonal variation was notable. The Northwestern Zone had the highest prevalence (8.75%), while the Southeastern Zone recorded the lowest (2.86%). At the woreda level, Maikinetal (12.20%) and Shire-Endasilase (11.79%) reported the highest chronic disease rates, whereas Neqsege (1.54%) and Enderta (1.67%) had the lowest.

Among internally displaced persons (IDPs), 8.95% reported a chronic condition, with higher prevalence among women (10.39%) than men (7.40%). Chronic disease rates were especially high among elderly IDPs, with 53.65% of those aged 60 and above affected, compared to 28.52% of children under five and 15.83% of children aged 5 to 17(Table 5.11)

5.2.12 Types of Chronic Diseases

Among respondents with chronic conditions, asthma was the most commonly reported illness (76,666 cases), followed by heart disease (74,093), hypertension (67,009), diabetes mellitus (29,151), and HIV/AIDS (22,792). Cancer was the least reported chronic illness, with 9,291 cases. Heart disease was most prevalent among individuals aged 60 and above (23,635 cases; 4.78%) and adults aged 18–59 (44,592 cases; 1.55%). Women were more affected (1.58%) than men (0.90%). Prevalence was highest among household heads with no education (3.83%) and lowest among those with tertiary education (0.98%). Geographically, Mekelle City had the lowest number of cases (3,216; 0.45%).

Hypertension was most common among older adults (60+) with 33,242 cases, followed closely by adults aged 18–59 (32,157). A stark urban–rural divide was observed, with 41,672 cases in urban areas compared to 25,336 in rural areas. The Northwestern Zone recorded the highest zonal based cases (22,122 cases), and the Southeastern Zone the lowest (2,471 cases). As with heart disease, hypertension was most common among household heads with no education (24,529 cases).

Diabetes Mellitus was reported by 11,993 respondents aged 60+ and 15,080 aged 18–59. The highest prevalence was found among tertiary-educated household heads (2,796 cases). Regionally, Mekelle City had the highest number of cases (8,569), while the Southeastern Zone had the lowest (1,272) (Table 5.12).

5.2.13 Health Insurance Coverage

According to the 2024 SES, only 9.72% of households in Tigray were covered by a health insurance (HI) scheme, while 90.28% were uninsured. Coverage was highest among household heads aged 60 years and above (13.37%), and lowest among those aged under 18 (3.28%). Female-headed households in rural areas reported higher enrollment (13.88%) to the

health insurance program compared to male-headed households (10.52%), whereas in urban areas, coverage was nearly equal across gender.

In terms of household size, 10.65% of households with fewer than five members were enrolled in the health insurance scheme, compared to 8.49% of larger households (five or more members). Education was inversely related to enrollment, becase household heads with primary education (11.92%) and no education (11.45%) had the highest insurance coverage, while those with tertiary education (4.47%) had the lowest. This pattern was consistent in both urban and rural areas.

Geographically, 12.13% of rural households and 6.48% of urban households were enrolled to health insurance program. The Southeastern Zone had the highest coverage (16.40%), while Mekelle City had the lowest (4.52%). At the woreda level, Neader (31.25%) and Neqsege (28.61%) had the highest health insurance participation, whereas Maekel Adyabo (0.69%) and Erob (1.07%) reported the lowest coverage (Table 5.13).

Table 0-1: Health problem consultation to health facility or traditional healer in the past four weeks, TSES, 2024 G.C

Socio-demographic characteristics	Health problem consultation by Sex and Age category										Health problem consultation by age					
	Male					Female										
	0-4	5-17	18-59	≥60	Total	0-4	5-17	18-59	≥60	Total	0-4	5-17	18-59	≥60	Total	Weighted Number
Regional	13.59	7.20	13.20	26.00	12.35	11.61	6.66	18.06	25.38	14.53	12.63	6.94	15.80	25.69	13.46	5,953,773
Residence																
Urban	14.88	7.51	12.25	30.53	12.35	12.92	7.85	18.79	32.22	16.36	13.93	7.68	15.92	31.53	14.51	2,281,109
Rural	12.72	7.05	13.82	24.36	12.34	10.73	6.03	17.48	21.34	13.30	11.76	6.56	15.70	22.94	12.82	3,672,664
Zone																
North Western	18.24	10.20	17.58	30.07	16.22	16.28	10.00	21.51	30.69	18.25	17.28	10.10	19.64	30.38	17.24	1,167,349
Central	12.62	8.60	14.45	27.64	13.49	10.66	7.02	18.16	25.79	14.50	11.65	7.82	16.39	26.72	14.00	1,691,482
Eastern	12.74	6.12	11.31	23.91	11.03	10.31	5.59	17.24	23.57	13.73	11.62	5.87	14.58	23.73	12.42	1,058,274
South East	11.00	4.14	9.62	19.18	8.61	8.22	2.68	15.70	16.26	10.43	9.62	3.44	12.82	17.79	9.53	720,635
Mekelle	12.29	5.49	10.33	27.82	10.32	11.14	7.01	15.54	26.60	13.73	11.72	6.26	13.25	27.12	12.16	711,349
Southern	14.61	4.92	11.56	23.81	10.62	13.45	5.91	18.64	26.95	14.77	14.07	5.39	15.31	25.34	12.69	604,685
Household head literacy																
No education	0.00	0.00	16.73	23.43	19.35	0.00	15.95	22.99	26.15	24.47	0.00	15.95	19.00	24.63	21.38	719,274
Primary education	0.00	19.11	20.69	32.24	22.54	0.00	8.45	25.00	37.57	26.01	0.00	12.51	21.89	33.15	23.45	350,680
Secondary education	0.00	0.00	18.76	38.44	19.66	0.00	29.37	20.08	25.75	20.21	0.00	26.13	19.20	36.16	19.84	219,564
Tertiary education	0.00	0.00	21.21	39.51	22.26	0.00	0.00	21.78	42.95	22.81	0.00	0.00	21.35	40.25	22.40	112,400
Total	0.00	17.12	18.87	25.87	20.55	0.00	11.91	22.78	26.97	24.03	0.00	13.63	20.12	26.31	21.74	1,401,918
Wereda																

Socio-demographic characteristics	Health problem consultation by Sex and Age category										Health problem consultation by age					
	Male					Female										
	0-4	5-17	18-59	≥60	Total	0-4	5-17	18-59	≥60	Total	0-4	5-17	18-59	≥60	Total	Weighted Number
Asgede	27.09	26.52	35.12	51.31	32.86	21.11	25.06	50.14	54.04	39.26	24.33	25.80	42.24	52.50	35.92	96,574
Abiadi	15.60	18.85	20.01	39.23	20.69	13.36	8.55	35.56	45.09	27.36	14.39	13.99	28.40	42.34	24.17	36,809
Tahtay Adyabo	32.27	14.62	21.21	36.93	21.12	28.24	20.62	28.93	24.06	25.61	30.31	17.68	25.11	31.13	23.37	120,949
Freweini town	27.09	13.15	19.78	29.99	19.12	26.22	9.96	24.70	30.83	21.44	26.63	11.59	22.92	30.54	20.45	19,123
Maichew	26.33	10.17	13.90	34.67	16.07	20.58	15.55	26.38	28.96	23.25	23.80	13.04	20.70	31.06	19.92	45,894
Embasineyti	27.27	17.53	17.85	28.65	19.96	20.75	10.06	21.40	22.49	18.19	24.42	13.74	19.72	24.81	19.04	63,698
Mai kinetal	13.98	11.20	25.68	25.41	18.93	9.15	8.24	27.36	36.73	18.93	11.47	9.71	26.53	31.13	18.93	69,475
Raya Chercher	22.32	9.61	16.34	31.65	16.20	21.80	8.57	24.64	40.87	20.52	22.06	9.09	20.89	36.20	18.44	36,164
Tahtay maichew	15.52	13.06	14.27	30.66	15.49	24.49	8.84	21.95	40.14	19.99	20.20	10.99	18.31	35.45	17.80	109,486
Mekoni town	19.28	6.73	14.48	28.76	13.83	16.58	8.08	25.52	43.69	21.43	18.04	7.37	20.34	36.73	17.68	162,619
Kedamay Weyane	17.88	16.42	12.01	30.48	14.96	18.43	7.55	20.97	33.94	19.59	18.18	12.08	17.11	32.73	17.53	39,700
Zana	31.67	8.84	22.84	26.09	19.88	24.39	5.44	16.07	25.86	14.93	28.33	7.28	19.29	25.98	17.44	84,215
Enticho town	25.51	7.04	12.25	38.88	14.68	10.24	9.96	25.12	26.38	19.67	18.05	8.48	19.71	32.04	17.39	20,349
Endabguna	21.97	14.49	13.57	26.89	15.79	16.77	9.96	20.08	35.76	18.53	19.47	12.22	17.32	32.07	17.29	42,683
Abegele	16.44	12.15	19.53	37.34	17.70	11.08	11.18	21.02	30.88	16.46	13.60	11.67	20.30	34.97	17.08	112,566
Wereda Hawzen	19.38	10.49	18.76	31.36	17.28	9.66	5.96	21.34	24.53	15.60	15.17	8.39	20.19	28.00	16.44	88,600
Endabatsehama	14.69	8.90	17.88	41.93	16.07	10.11	9.66	21.01	27.56	16.71	12.66	9.26	19.63	35.58	16.40	106,551
Axum town	10.62	6.09	12.38	40.66	13.02	11.30	8.68	19.85	45.55	18.52	10.95	7.48	16.53	43.36	16.00	89,767
Laelay Maichew	10.45	8.20	18.09	33.16	16.40	12.72	4.40	21.23	22.29	15.47	11.65	6.43	19.58	28.33	15.96	74,237
Subha sasei	23.56	9.25	17.47	28.28	16.58	6.73	7.43	21.72	23.24	15.26	15.81	8.31	19.75	25.57	15.90	57,635
Erob	12.87	7.16	10.60	34.12	11.86	27.07	6.32	24.28	23.63	19.22	19.89	6.73	18.19	28.57	15.77	37,065
Bora	11.31	3.65	23.47	43.22	16.62	12.55	4.92	21.11	13.49	14.51	11.81	4.26	22.27	30.87	15.61	30,088

Socio-demographic characteristics	Health problem consultation by Sex and Age category										Health problem consultation by age					
	Male					Female										
	0-4	5-17	18-59	≥60	Total	0-4	5-17	18-59	≥60	Total	0-4	5-17	18-59	≥60	Total	Weighted Number
Aidaero	12.23	9.37	17.91	29.42	14.98	16.98	3.62	19.49	40.49	16.02	14.73	6.78	18.74	35.17	15.50	194,646
Ganta afeshum	12.21	4.69	15.20	31.74	13.40	6.96	6.07	21.27	34.75	17.19	9.65	5.38	18.59	33.38	15.41	97,814
Hadnet	25.96	7.34	11.29	34.40	13.22	17.61	9.31	17.58	37.10	17.27	21.53	8.32	14.71	36.07	15.40	175,301
Laelay koraro	13.20	7.24	17.93	28.83	14.96	12.16	8.10	20.29	20.41	15.73	12.76	7.65	19.16	24.66	15.34	122,159
Keyih tekli	19.56	10.63	15.42	26.79	15.37	12.32	10.38	17.54	28.79	14.97	16.35	10.50	16.49	27.72	15.17	74,928
Tsaeda Emab	22.28	5.74	12.48	22.90	12.44	18.60	9.59	21.59	23.29	17.73	20.50	7.46	17.33	23.08	15.03	75,576
Shire Endaselassie	13.53	6.58	13.51	37.63	12.52	10.57	9.43	18.25	38.19	16.46	11.91	8.02	16.27	37.99	14.72	165,058
Adigudem	21.36	9.11	12.25	38.57	14.94	9.83	8.91	15.95	30.40	14.49	16.48	9.00	14.36	33.89	14.70	23,031
Rama	11.53	13.23	13.40	24.52	14.04	11.74	10.17	16.98	24.38	15.03	11.64	11.74	15.33	24.45	14.55	61,106
tahtay Koraro	24.33	9.48	12.18	19.19	13.48	15.37	9.09	16.83	24.97	15.45	19.70	9.29	14.55	22.12	14.46	113,357
Ahferom	11.30	8.39	13.63	32.10	13.78	14.68	8.88	17.13	19.08	14.54	13.03	8.63	15.40	25.35	14.16	76,731
Kola temben	12.29	8.33	18.29	33.30	15.40	4.81	4.89	19.06	22.59	12.79	8.59	6.62	18.69	28.37	14.09	110,826
Atsbi town	13.73	2.34	12.74	15.13	9.73	7.91	5.10	23.04	55.82	17.53	11.18	3.74	18.83	38.22	13.92	25,268
Hintalo	25.70	6.29	12.88	22.71	12.78	13.89	4.38	21.14	14.96	14.54	20.05	5.38	17.27	18.81	13.67	125,620
Ayder	11.35	6.91	11.96	31.25	11.89	10.76	6.97	18.28	27.36	14.91	11.07	6.94	15.54	29.36	13.51	100,718
Sheraro	14.76	7.74	8.45	15.08	9.52	18.63	3.89	20.17	31.33	16.74	16.44	6.06	14.90	23.19	13.14	37,582
Bizet	14.28	3.93	9.71	23.73	9.90	17.72	3.96	21.87	17.10	16.02	15.77	3.94	16.40	19.97	13.00	29,459
Selewa	12.07	4.04	12.19	32.82	11.10	10.62	6.37	21.54	22.75	14.85	11.27	5.14	16.86	28.31	12.95	46,680
Seymti Adyabo	7.22	4.62	14.33	32.43	11.99	11.69	3.28	17.94	37.47	13.81	9.51	3.91	16.23	34.82	12.94	51,665
Adwa town	10.91	9.74	8.38	26.95	10.32	9.02	5.72	16.50	31.37	14.58	10.05	7.58	12.91	29.71	12.65	102,697
Gerealta	14.39	4.55	14.00	18.75	10.83	12.28	3.82	22.30	22.89	14.07	13.37	4.19	18.39	20.48	12.44	53,019
Wajirat	14.95	6.58	15.95	17.11	12.42	8.66	4.91	16.70	20.14	12.33	11.92	5.80	16.35	18.52	12.38	52,287

Socio-demographic characteristics	Health problem consultation by Sex and Age category										Health problem consultation by age					
	Male					Female										
	0-4	5-17	18-59	≥60	Total	0-4	5-17	18-59	≥60	Total	0-4	5-17	18-59	≥60	Total	Weighted Number
Wereda Adwa	5.92	6.43	15.12	21.66	11.94	12.86	5.55	16.19	21.03	12.79	9.12	6.02	15.63	21.38	12.34	118,420
Quiha	14.29	4.67	8.89	23.10	9.90	12.05	5.99	16.43	25.94	14.13	13.24	5.38	13.18	24.50	12.19	50,207
Tsirae wemberta	18.11	9.92	8.92	21.10	11.71	17.36	9.01	12.51	17.19	12.50	17.80	9.48	10.82	18.93	12.11	105,496
Adigrat	11.80	7.14	10.25	35.81	11.00	9.64	5.43	14.93	25.23	13.03	10.79	6.25	12.84	28.49	12.11	139,693
Edaga hamus	5.51	4.86	12.37	68.40	8.93	7.79	3.34	20.48	24.26	14.18	6.40	4.15	17.37	33.97	11.72	34,562
Tsimbila	12.24	5.75	10.03	27.85	10.76	17.58	7.96	14.01	19.50	12.78	14.37	6.74	11.91	24.47	11.67	90,514
Samre	8.18	7.67	10.76	19.00	10.24	5.25	4.10	18.17	22.87	12.96	6.87	5.98	14.48	20.95	11.56	87,171
Hagereselam	1.09	4.64	12.21	29.70	9.67	9.30	4.43	18.07	14.53	13.04	5.17	4.54	15.49	21.05	11.47	11,043
Ahsea	12.31	5.93	9.71	20.09	9.68	8.92	5.46	16.85	13.79	12.25	10.68	5.73	13.23	16.66	10.89	51,065
Neader	7.61	6.77	14.42	21.70	11.88	4.10	4.48	14.47	14.08	9.92	5.92	5.59	14.44	17.82	10.88	66,602
Atsbi	9.11	4.42	8.60	29.57	9.66	7.05	3.81	16.17	24.14	12.13	8.21	4.14	12.52	26.96	10.85	54,708
Adi Haki	8.33	3.27	11.53	19.60	8.67	12.56	8.72	13.79	22.62	12.64	10.35	6.02	12.80	21.49	10.79	102,990
Egela	7.61	5.16	9.92	24.68	8.88	4.30	4.56	17.10	23.54	11.17	5.93	4.84	14.17	24.15	10.13	52,937
Semen	3.63	3.19	10.15	27.92	8.49	3.84	4.38	13.75	16.13	10.83	3.74	3.75	12.10	20.84	9.72	113,747
Tanqua milash	7.44	6.76	7.72	18.92	8.36	10.62	7.60	10.86	20.42	10.36	9.05	7.17	9.34	19.54	9.36	56,310
Maekel Adyabo	0.76	5.79	12.30	19.00	9.42	3.43	2.80	13.20	11.57	9.29	2.25	4.47	12.78	15.13	9.35	47,944
Hahayle	8.87	2.50	11.96	25.46	9.64	1.26	2.74	11.81	27.39	9.05	5.18	2.62	11.88	26.37	9.34	103,565
Wukro	3.93	3.97	8.67	19.43	6.87	2.67	3.50	14.55	24.93	10.61	3.34	3.71	12.10	22.92	8.94	66,628
Degua temben	8.75	2.00	9.50	16.25	7.27	6.42	2.35	17.09	20.38	10.62	7.64	2.17	13.47	18.07	8.92	64,770
Enda mekoni	12.60	5.79	6.30	11.11	7.39	16.56	4.79	10.99	5.78	9.52	14.46	5.35	8.93	8.61	8.46	72,583
Adet	10.16	4.17	9.48	8.39	7.80	8.83	2.68	11.53	14.47	8.78	9.46	3.43	10.51	11.67	8.30	76,646
Gulomekeda	3.93	3.01	7.53	10.11	6.16	10.74	3.86	12.91	16.14	10.42	6.74	3.42	10.46	12.81	8.28	49,325

Socio-demographic characteristics	Health problem consultation by Sex and Age category										Health problem consultation by age					
	Male					Female										
	0-4	5-17	18-59	≥60	Total	0-4	5-17	18-59	≥60	Total	0-4	5-17	18-59	≥60	Total	Weighted Number
Hawelti	7.21	3.30	6.66	21.20	6.76	5.94	4.91	11.55	16.28	9.47	6.60	4.16	9.55	18.63	8.27	128,686
Raya Azebo	11.13	2.42	7.24	19.81	6.71	9.10	3.42	13.45	17.78	9.62	10.19	2.90	10.50	19.01	8.15	108,573
Enderta	7.93	2.93	8.14	20.41	7.04	10.27	1.42	13.53	13.30	8.89	9.09	2.18	11.01	17.01	7.98	227,073
Hawzen	5.98	0.81	6.35	13.80	5.24	2.39	2.71	12.59	15.73	8.82	4.20	1.79	10.06	14.75	7.20	45,257
Emba Alaje	7.90	2.42	7.89	10.33	6.03	6.09	2.16	7.82	21.43	6.70	7.16	2.31	7.85	16.04	6.35	64,167
Neqsege	7.54	2.73	7.27	10.40	5.83	8.11	2.04	10.67		6.85	7.80	2.40	9.02	6.81	6.33	37,916
Kilte Awlaelo	1.10	2.61	5.96	11.52	5.19	4.18	1.72	7.51	16.10	6.61	2.68	2.21	6.77	13.56	5.88	79,044
Chila	2.35	3.04	7.09	9.38	5.52	5.51	2.85	4.83	10.90	4.83	3.94	2.95	5.91	10.08	5.17	56,710
Seharti	4.52	1.67	4.46	14.16	4.21	3.15	0.87	10.29	7.79	5.65	3.75	1.29	7.46	11.48	4.93	129,639
IDP	11.36	5.32	13.04	42.33	10.47	6.71	5.90	19.60	43.90	13.58	9.45	5.60	16.95	43.05	12.08	908,721
Total	13.24	6.87	13.18	27.19	12.10	11.03	6.53	18.25	26.50	14.40	12.19	6.70	15.93	26.84	13.28	6,862,494

Table 0-2 : Reasons for consultation to health provider or traditional healer in the past 4 weeks, TSES, 2024 G.C.

Socio-demographic characteristics	Care(Not linked to pregnancy)	Prenatal checkup	Prenatal checkup count	Give birth	Give birth count	Appointment for chronic illness	Appointment for accident	New or acute illness	New Injury	Other	Weighted Number
Regional	3.33	1.38	41,945	0.65	19,752	2.90	1.39	4.23	1.49	0.02	5,953,844
Age group											
0-4 years	4.26	_	_	_	_	1.07	0.86	5.46	1.25	0.03	723,837
5-17 years	1.67	0.01	119	0.01	90	0.87	0.58	3.03	1.05	0.02	1,861,854
18-59 years	3.76	2.72	41,826	1.27	19,507	3.51	1.74	4.27	1.64	0.02	2,873,383
≥ 60 years	5.68			0.06	155	9.66	3.18	6.70	2.56	0.03	494,771
Sex											
Male	3.01	_	_	_	_	2.72	1.39	4.31	1.64	0.03	2,910,111
Female	3.63	1.38	41,945	0.65	19,752	3.07	1.39	4.16	1.33	0.02	3,043,732
Residence											
urban	3.61	1.58	19,380	0.72	8,828	3.79	1.19	4.12	1.01	0.03	2,281,109
Rural	3.16	1.24	22,565	0.60	10,924	2.35	1.51	4.30	1.78	0.02	3,672,735
Zone											
North Western	3.65	1.69	9,971	0.66	3,858	3.03	2.12	6.35	3.03	0.01	1,167,420
Central	3.52	1.10	9,439	0.65	5,603	3.00	1.70	4.47	1.27	0.04	1,691,482
Eastern	3.66	1.19	6,521	0.63	3,478	2.80	1.14	3.63	0.85	0.02	1,058,274
South East	2.29	1.43	5,174	0.65	2,370	1.67	0.92	2.62	1.61	0.00	720,635
Mekelle	2.77	1.79	6,864	0.73	2,798	3.50	0.91	2.98	0.95	0.01	711,349
Southern	3.51	1.31	3,977	0.54	1,645	3.33	0.68	3.89	0.70	0.02	604,685
Total	3.33	1.38	41,945	0.65	19,752	2.90	1.39	4.23	1.49	0.02	5,953,844
Household head literacy											

Socio-demographic characteristics	Care(Not linked to pregnancy)	Prenatal checkup	Prenatal checkup count	Give birth	Give birth count	Appointment for chronic illness	Appointment for accident	New or acute illness	New Injury	Other	Weighted Number
No education	5.25	0.58	1,854	0.34	1,087	6.67	2.72	5.85	2.60	0.02	719,274
Primary education	5.70	3.24	4,046	0.94	1,177	6.86	2.36	6.39	2.05	0.01	350,680
Secondary education	5.11	4.13	4,685	1.68	1,907	4.49	1.70	5.02	1.92	0.00	219,564
Tertiary education	5.88	3.71	1,804	2.10	1,020	5.82	2.37	5.69	1.14	0.10	112,400
Total	5.39	2.04	12,389	0.86	5,192	6.31	2.44	5.84	2.24	0.02	1,401,918

Table 0-3 Suffering of Illness or injury in the past 4 weeks TSES, 2024 G.C.

Socio-demographic characteristics	Illness or injury by Sex and Age category										Illness or injury by age					
	Male					Female										
	0-4	5-17	18-59	≥60	Total	0-4	5-17	18-59	≥60	Total	0-4	5-17	18-59	≥60	Total	Weighted Number
Regional	7.21	4.50	7.44	15.26	7.10	5.92	3.88	7.89	15.70	7.12	6.59	4.20	7.68	15.49	7.11	5,953,844
Residence																
Urban	7.46	4.47	5.90	12.03	6.08	6.08	3.83	6.60	15.04	6.48	6.79	4.15	6.29	13.81	6.29	2,281,109
Rural	7.04	4.52	8.45	16.43	7.68	5.81	3.91	8.91	16.09	7.55	6.45	4.23	8.69	16.27	7.61	3,672,735
Total	7.21	4.50	7.44	15.26	7.10	5.92	3.88	7.89	15.70	7.12	6.59	4.20	7.68	15.49	7.11	5,953,844
Zone																
North Western	12.01	7.05	11.34	18.96	10.61	9.71	6.54	10.52	17.78	9.83	10.88	6.81	10.91	18.37	10.22	1,167,420
Central	7.17	5.19	8.68	17.41	8.14	6.12	4.04	8.91	18.80	7.94	6.66	4.62	8.80	18.10	8.04	1,691,482
Eastern	4.71	2.82	5.06	13.17	5.06	4.14	2.73	6.48	12.74	5.77	4.45	2.77	5.85	12.94	5.43	1,058,274
South East	5.36	3.18	6.47	12.90	5.66	3.82	1.70	7.98	14.44	5.83	4.60	2.47	7.26	13.63	5.75	720,635
Mekelle	7.05	3.48	4.88	11.15	5.17	4.96	3.92	5.17	11.83	5.30	6.01	3.71	5.04	11.54	5.24	711,349

Socio-demographic characteristics	Illness or injury by Sex and Age category										Illness or injury by age					
	Male					Female										
	0-4	5-17	18-59	≥60	Total	0-4	5-17	18-59	≥60	Total	0-4	5-17	18-59	≥60	Total	Weighted Number
Southern	6.47	3.22	4.33	11.44	4.75	5.73	3.14	6.26	14.32	5.80	6.13	3.18	5.36	12.84	5.27	604,685
Household head literacy																
No education	0.00	0.00	9.06	15.08	11.41	0.00	15.95	12.58	15.83	14.11	0.00	15.95	10.34	15.41	12.48	719,274
Primary education	0.00	16.43	10.33	15.98	11.24	0.00	8.45	11.75	19.40	12.42	0.00	11.49	10.72	16.56	11.55	350,680
Secondary education	0.00	0.00	7.93	17.25	8.36	0.00	29.37	8.34	7.20	8.35	0.00	26.13	8.07	15.44	8.35	219,564
Tertiary education	0.00	0.00	8.21	14.04	8.55	0.00	0.00	8.63	16.02	8.99	0.00	0.00	8.32	14.47	8.66	112,400
Total	0.00	14.71	9.13	15.29	10.62	0.00	11.91	11.15	15.95	12.61	0.00	12.83	9.78	15.55	11.30	1,401,918
Wereda																
Asgede	25.18	23.57	30.22	45.15	28.76	16.65	23.45	38.39	45.55	31.80	21.24	23.51	34.10	45.33	30.21	96,646
Tahtay Adyabo	32.27	13.49	17.57	27.10	18.25	25.78	16.79	17.46	16.69	17.92	29.12	15.17	17.51	22.41	18.09	120,949
Zana	27.69	10.44	23.03	23.49	19.69	18.72	7.00	15.03	31.02	14.62	23.58	8.86	18.83	27.07	17.19	84,215
Embasineyti	24.31	16.71	16.32	27.42	18.48	16.79	9.55	17.65	21.89	15.78	21.02	13.07	17.02	23.97	17.07	63,698
Mai kinetal	12.43	12.20	18.10	23.85	15.73	13.71	7.61	19.33	38.65	16.03	13.10	9.90	18.72	31.33	15.88	69,475
Abegele	10.28	8.42	17.20	33.26	14.19	7.24	9.79	19.33	45.22	15.17	8.67	9.09	18.31	37.64	14.68	112,566
Tahtay maichew	15.82	10.96	11.94	24.22	13.17	20.71	8.56	16.63	32.35	16.12	18.37	9.78	14.41	28.33	14.68	109,486
Freweini town	12.39	10.08	13.31	32.91	12.74	13.83	8.93	13.42	42.98	14.07	13.15	9.52	13.38	39.58	13.51	19,123
Wajirat	11.55	5.97	16.08	20.01	12.20	8.66	6.57	15.45	25.79	12.78	10.16	6.25	15.74	22.70	12.49	52,287
Raya Chercher	12.30	4.91	14.47	18.12	11.15	13.86	5.76	13.58	27.49	12.30	13.06	5.34	13.98	22.74	11.75	36,164

Socio-demographic characteristics	Illness or injury by Sex and Age category										Illness or injury by age					
	Male					Female										
	0-4	5-17	18-59	≥60	Total	0-4	5-17	18-59	≥60	Total	0-4	5-17	18-59	≥60	Total	Weighted Number
tahtay Koraro	15.79	8.20	6.35	16.96	9.12	14.53	8.14	9.78	24.07	11.50	15.14	8.17	8.10	20.57	10.31	113,357
Laelay Maichew	5.48	5.00	13.99	25.62	12.03	6.33	3.05	9.96	15.25	8.15	5.93	4.09	12.08	21.02	10.20	74,237
Tsaeda Emab	10.81	3.74	9.95	17.52	8.70	8.08	9.18	13.16	14.51	11.49	9.49	6.17	11.66	16.13	10.06	75,576
Kedamay Weyane	15.10	13.51	6.83	16.90	10.00	7.19	5.10	8.42	23.49	9.22	10.83	9.39	7.74	21.19	9.57	39,700
Mekoni town	13.67	6.22	6.49	12.11	7.76	11.19	6.76	10.06	28.47	10.67	12.53	6.48	8.38	20.84	9.23	162,619
Rama	5.89	7.36	9.51	21.91	9.40	7.83	4.48	7.48	21.19	7.86	6.86	5.95	8.42	21.54	8.60	61,106
Samre	6.01	7.17	8.75	12.07	8.22	4.78	3.80	10.51	18.58	8.68	5.46	5.58	9.63	15.35	8.44	87,171
Erob	4.64	3.62	7.39	17.63	6.76	22.19	2.12	11.91	9.61	9.88	13.31	2.86	9.90	13.39	8.42	37,065
Seymti Adyabo	7.22	3.87	10.01	25.93	9.08	9.53	2.95	8.41	23.29	7.74	8.40	3.38	9.17	24.68	8.38	51,665
Ahferom	7.26	4.21	7.24	18.91	7.58	6.42	5.60	9.44	18.06	9.01	6.83	4.88	8.35	18.47	8.29	76,731
Wereda Hawzen	7.02	2.93	7.73	22.94	7.76	4.38	2.31	9.01	26.32	8.52	5.88	2.64	8.44	24.60	8.14	88,600
Egela	6.82	4.18	8.24	18.78	7.26	4.83	4.49	11.24	27.07	8.85	5.81	4.34	10.02	22.61	8.13	52,937
Hadnet	17.42	6.11	6.52	20.81	8.47	9.99	6.93	6.74	14.94	7.82	13.48	6.52	6.64	17.18	8.12	175,301
Abiadi	3.21	9.03	12.18	6.09	9.80	3.78	3.07	7.69	10.92	6.40	3.52	6.22	9.76	8.65	8.03	36,809
Axum town	3.10	2.95	7.72	21.76	7.17	3.47	4.22	8.00	26.29	8.33	3.28	3.63	7.88	24.26	7.80	89,767
Subha sasei	11.39	6.39	7.61	12.35	8.21	1.76	5.04	9.96	8.73	7.20	6.96	5.70	8.87	10.40	7.68	57,635
Tsimbila	7.00	3.70	7.29	17.30	7.15	11.24	3.50	7.38	17.58	7.33	8.68	3.61	7.33	17.41	7.23	90,514
Ahsea	9.97	4.83	6.25	17.01	7.22	5.41	3.62	8.66	11.66	7.20	7.78	4.32	7.44	14.10	7.21	51,065
Degua temben	8.00	2.07	6.95	13.44	5.94	3.42	2.40	12.40	23.04	8.49	5.82	2.23	9.80	17.66	7.20	64,770
Selewa	8.55	2.70	6.07	15.80	6.05	7.52	3.70	9.72	17.38	7.95	7.99	3.17	7.89	16.51	6.99	46,680

Socio-demographic characteristics	Illness or injury by Sex and Age category										Illness or injury by age					
	Male					Female										
	0-4	5-17	18-59	≥60	Total	0-4	5-17	18-59	≥60	Total	0-4	5-17	18-59	≥60	Total	Weighted Number
Hintalo	6.32	5.29	8.42	13.03	7.42	5.61	1.47	8.38	14.05	6.34	5.98	3.47	8.40	13.54	6.88	125,620
Laelay koraro	5.50	3.37	11.44	12.51	8.11	9.46	1.50	5.70	13.14	5.60	7.19	2.49	8.45	12.82	6.87	122,159
Adwa town	8.83	6.33	4.98	9.38	6.13	7.90	5.29	6.38	18.99	7.43	8.41	5.77	5.76	15.38	6.84	102,697
Bizet	8.94	2.62	6.19	7.34	5.40	7.82	1.51	10.15	10.34	7.68	8.46	2.13	8.37	9.04	6.56	29,459
Hahayle	8.87	1.59	5.42	20.68	5.89	0.64	2.23	8.17	24.13	6.75	4.88	1.90	6.85	22.30	6.32	103,565
Gulomekeda	3.93	1.49	7.14	8.68	5.25	5.61	3.42	8.53	11.05	7.10	4.63	2.43	7.89	9.75	6.17	49,325
Aidaero	3.43	3.03	8.00	15.58	6.24	2.96	2.05	7.42	15.76	5.93	3.18	2.59	7.69	15.67	6.08	194,646
Bora	2.49	2.50	7.43	25.20	6.33	6.76	1.08	7.63	11.23	5.65	4.21	1.82	7.53	19.40	6.01	30,088
Atsbi	4.20	3.45	4.75	13.68	5.29	3.04	2.05	7.99	17.42	6.65	3.69	2.81	6.43	15.47	5.95	54,708
Sheraro	6.60	3.56	4.27	5.21	4.43	6.01	2.41	8.27	18.03	7.20	6.34	3.06	6.47	11.60	5.82	37,582
Adet	6.01	3.12	7.67	8.39	6.08	4.82	1.31	6.18	11.63	5.09	5.39	2.22	6.92	10.14	5.58	76,646
Edaga hamus	2.63	3.54	5.94	41.09	4.87	2.62	2.58	7.59	14.97	5.91	2.63	3.09	6.95	20.71	5.43	34,562
Enticho town	1.88	3.18	3.42	11.07	3.81	4.11	5.36	6.02	10.58	6.05	2.97	4.26	4.93	10.80	5.02	20,349
Hagereselam		3.30	6.38	15.88	5.28	3.18	1.74	6.67	3.72	4.67	1.58	2.52	6.54	8.95	4.95	11,043
Wereda Adwa	2.62	1.20	8.34	11.04	5.64	2.09	1.27	5.05	11.77	4.14	2.38	1.23	6.79	11.37	4.94	118,420
Keyih tekli	5.47	4.27	4.79	16.97	5.62	3.18	0.94	4.89	13.52	3.80	4.46	2.59	4.84	15.36	4.72	74,928
Adigrat	5.88	2.35	4.26	7.41	4.13	4.47	2.26	5.37	9.93	4.96	5.22	2.30	4.87	9.16	4.58	139,693
Ganta afeshum	2.40	2.38	3.53	16.01	4.50	2.90	1.38	4.46	14.18	4.65	2.64	1.88	4.05	15.01	4.58	97,814
Gerealta	3.84	3.00	6.39	12.17	5.20	1.27	1.22	6.03	9.28	3.77	2.60	2.13	6.20	10.96	4.49	53,019
Ayder	5.58	1.68	3.52	10.57	3.82	5.37	2.84	4.76	12.94	4.81	5.48	2.28	4.22	11.72	4.35	100,718
Tanqua milash	2.26	2.60	5.27	9.45	4.33	1.85	2.91	4.66	14.32	4.35	2.05	2.75	4.96	11.49	4.34	56,310
Enderta	5.03	1.76	4.54	14.30	4.26	3.46	0.46	6.07	12.73	4.17	4.26	1.12	5.36	13.55	4.22	227,073

Socio-demographic characteristics	Illness or injury by Sex and Age category										Illness or injury by age					
	Male					Female										
	0-4	5-17	18-59	≥60	Total	0-4	5-17	18-59	≥60	Total	0-4	5-17	18-59	≥60	Total	Weighted Number
Neader	2.37	1.66	6.10	11.38	4.78	1.85	0.87	5.08	8.31	3.67	2.12	1.25	5.58	9.82	4.21	66,602
Semen	3.11	1.73	4.98	3.61	3.83	2.32	4.08	4.40	8.81	4.41	2.71	2.83	4.66	6.73	4.13	113,747
Endabatsehama	2.31	2.81	5.38	11.35	4.48	3.62	2.10	4.04	10.28	3.75	2.89	2.47	4.63	10.88	4.11	106,551
Maekel Adyabo	0.76	3.60	4.52	14.34	4.44	2.62	2.02	4.58	3.43	3.62	1.80	2.90	4.56	8.65	4.02	47,944
Kola temben	4.26	3.40	4.54	13.56	4.89		0.58	4.49	10.69	3.07	2.15	2.00	4.51	12.24	3.97	110,826
Endabguna	8.19	4.21	5.03	5.90	5.22	5.12	0.46	3.25	4.20	2.79	6.71	2.33	4.00	4.91	3.89	42,683
Adi Haki	2.97	1.44	4.74		3.26	3.07	3.66	3.95	12.58	4.16	3.01	2.56	4.29	7.87	3.74	102,990
Enda mekoni	3.24	4.33	2.37	5.23	3.45	3.12	2.40	5.09	3.05	3.96	3.18	3.49	3.90	4.21	3.71	72,583
Tsirae wemberta	2.91	1.83	2.75	9.94	3.12	4.48	1.47	5.01	8.24	4.28	3.54	1.65	3.95	9.00	3.71	105,496
Hawelti	3.69	2.63	3.06	9.57	3.47	1.98	2.26	4.72	4.02	3.74	2.88	2.43	4.04	6.67	3.62	128,686
Chila	1.26	2.40	4.02	7.67	3.60	4.26	1.93	3.57	7.57	3.49	2.76	2.18	3.78	7.62	3.54	56,710
Quiha	3.61	2.41	3.91	8.19	3.87	3.78	0.69	3.05	6.70	2.83	3.69	1.48	3.42	7.46	3.30	50,207
Shire Endaselassie	3.78	3.02	2.88	9.17	3.37	1.78	1.10	3.60	5.99	2.89	2.69	2.05	3.30	7.15	3.10	165,058
Raya Azebo	6.07	1.69	1.84	14.85	3.11	2.17	1.95	3.58	3.56	2.85	4.26	1.81	2.76	10.39	2.98	108,573
Atsbi town	3.75	1.54	3.09		2.58	2.42	2.74	2.63	7.95	2.95	3.17	2.15	2.82	4.51	2.78	25,268
Adigudem	3.64	1.32	2.61	4.14	2.58	3.41	1.46	3.15	4.58	2.87	3.54	1.39	2.92	4.39	2.74	23,031
Seharti	2.23	0.94	2.51	8.59	2.38	2.07	0.64	5.00	4.64	2.97	2.14	0.80	3.79	6.93	2.67	129,639
Kilte Awlaelo	2.34	1.75	2.29	6.95	2.75	1.37	1.75	1.87	8.55	2.53	1.84	1.75	2.07	7.66	2.64	79,044
Wukro	0.64	1.02	1.78	11.86	1.78		1.70	3.12	10.34	2.75	0.34	1.38	2.56	10.90	2.32	66,628
Maichew	0.96	2.64	1.90	2.30	1.98	2.25	1.48	2.07	5.08	2.22	1.53	2.02	1.99	4.06	2.11	45,894

Socio-demographic characteristics	Illness or injury by Sex and Age category										Illness or injury by age					
	Male					Female										
	0-4	5-17	18-59	≥60	Total	0-4	5-17	18-59	≥60	Total	0-4	5-17	18-59	≥60	Total	Weighted Number
Hawzen		0.57	3.44	12.58	2.67	0.42		2.17	1.50	1.33	0.21	0.28	2.69	7.13	1.94	45,257
Neqsege		1.44	0.60	4.91	1.05		0.32	1.97	2.70	1.11		0.90	1.31	4.15	1.08	37,916
Emba Alaje			0.58	4.96	0.53		0.43		1.95	0.26		0.19	0.28	3.41	0.40	64,167
IDP	9.98	4.13	9.88	21.12	7.71	5.67	4.60	12.05	18.80	8.62	8.21	4.36	11.17	20.05	8.18	908,721
Total	7.64	4.44	7.68	15.69	7.18	5.89	4.01	8.40	15.89	7.32	6.81	4.23	8.07	15.79	7.25	6,862,565

Table 0-4: Sickness or injury faced in the last four weeks, TSES, 2024 G.C.

Socio-demographic characteristics	Malaria	Diarrhea	Injury	Dental Disease	Ophthalmic Disease	Skin Disease	ENT Disease	TB Infection	Hunger Related Illness	Other	Weighted number
Regional	1.49	0.63	0.79	0.17	0.61	0.43	0.46	0.42	0.24	2.58	5,953,844
Age group											
0-4 years	1.27	1.43	0.30	0.02	0.29	0.70	0.59	0.17	0.25	2.11	723,837
5-17 years	1.30	0.53	0.36	0.08	0.19	0.34	0.33	0.16	0.12	1.14	1,861,854
18-59 years	1.62	0.48	1.00	0.22	0.44	0.36	0.45	0.50	0.24	3.11	2,873,383
≥ 60 years	1.80	0.78	1.83	0.40	3.67	0.77	0.84	1.35	0.64	5.57	494,771
Sex											
Male	1.73	0.66	0.93	0.15	0.58	0.45	0.45	0.39	0.17	2.28	2,910,111
Female	1.27	0.61	0.65	0.19	0.63	0.41	0.47	0.46	0.29	2.85	3,043,732
Residence											
urban	0.70	0.53	0.77	0.14	0.44	0.43	0.57	0.20	0.23	2.61	2,281,109
Rural	1.98	0.69	0.80	0.18	0.72	0.43	0.40	0.56	0.24	2.55	3,672,735
Zone											
North Western	3.73	0.75	0.93	0.25	0.78	0.51	0.60	0.74	0.29	3.10	1,167,420
Central	1.82	0.85	0.91	0.19	0.63	0.58	0.40	0.42	0.27	2.77	1,691,482
Eastern	0.26	0.58	0.65	0.09	0.64	0.35	0.34	0.35	0.19	2.52	1,058,274
South East	0.92	0.40	0.85	0.17	0.40	0.31	0.39	0.47	0.21	1.94	720,635
Mekelle	0.09	0.39	0.64	0.16	0.42	0.41	0.46	0.11	0.19	2.55	711,349

Southern	0.74	0.47	0.51	0.08	0.64	0.18	0.69	0.27	0.19	1.92	604,685
Household head literacy											
No education	2.18	0.72	1.51	0.37	2.10	0.59	0.70	1.01	0.61	4.45	719,274
Primary education	2.09	0.77	1.54	0.31	0.87	0.56	0.58	0.53	0.39	4.93	350,680
Secondary education	1.56	0.44	1.30	0.16	0.52	0.72	0.36	0.36	0.27	3.16	219,564
Tertiary education	0.87	0.64	1.26	0.25	0.36	0.32	0.61	0.08	0.24	4.44	112,400
Total											
Woreda											
Tsimbila	1.88	0.55	0.44	0.39	1.01	0.28	0.72	1.16	0.37	1.59	90,514
Endabguna	0.85	0.34	0.43	0.00	0.00	0.19	0.38	0.06	0.47	1.74	42,683
Asgede	14.72	1.12	3.43	0.83	1.41	0.98	1.64	3.10	1.21	10.41	96,646
Tahtay Adyabo	11.37	1.79	1.63	0.05	0.44	0.84	1.41	1.09	0.14	2.72	120,949
Sheraro	1.85	0.55	0.31	0.08	0.43	0.21	0.27	0.32	0.11	2.10	37,582
Maekel Adyabo	0.56	1.09	0.52	0.10	0.45	0.00	0.48	0.25	0.23	0.86	47,944
Seymti Adyabo	1.67	0.18	0.19	0.00	0.49	0.45	0.31	0.52	0.07	4.52	51,665
Aidaero	1.09	0.34	1.10	0.35	0.27	0.52	0.43	0.52	0.60	1.25	194,646
tahtay Koraro	3.60	0.82	0.30	0.14	1.79	0.51	0.13	0.42	0.00	3.19	113,357
Shire Endaselassie	0.40	0.44	0.31	0.08	0.48	0.11	0.14	0.03	0.11	1.31	165,058
Zana	3.81	1.31	0.43	0.33	1.14	0.71	0.31	0.54	0.00	9.23	84,215
Laelay koraro	1.26	0.49	0.95	0.30	1.14	0.77	0.74	0.60	0.00	0.96	122,159
Chila	1.86	0.12	0.16	0.00	0.17	0.06	0.13	0.44	0.00	0.77	56,710
Tahtay maichew	1.55	0.78	1.05	0.26	0.60	1.17	0.96	0.85	0.12	8.22	109,486

Adet	0.90	0.52	0.81	0.14	0.19	0.58	0.47	0.22	0.67	1.30	76,646
Laelay Maichew	1.89	0.78	0.49	0.32	1.49	0.16	0.57	1.07	0.24	3.70	74,237
Axum town	0.29	0.75	2.29	0.14	0.93	0.32	0.22	0.34	0.21	3.41	89,767
Neader	0.70	0.93	0.28	0.10	0.28	0.29	0.00	0.04	0.18	1.56	66,602
Kola temben	1.02	0.36	0.63	0.08	0.41	0.85	0.48	0.25	0.19	0.38	110,826
Abegele	5.85	0.39	0.18	0.18	0.56	0.67	0.38	0.29	0.07	6.70	112,566
Tanqua milash	1.13	0.27	0.36	0.07	0.16	0.47	0.33	0.08	0.05	1.75	56,310
Abiadi	3.81	0.48	1.16	0.36	0.28	0.31	0.15	0.79	0.17	1.10	36,809
Keyih tekli	1.93	0.18	0.16	0.38	0.27	0.08	0.12	0.26	0.02	1.52	74,928
Mai kinetal	3.97	0.93	1.32	0.66	1.90	1.22	0.91	0.43	0.48	5.72	69,475
Endabatsehama	0.94	0.61	1.04	0.00	0.27	0.05	0.00	0.06	0.03	1.42	106,551
Embasineyti	2.28	4.88	3.37	0.10	1.03	1.54	1.39	0.75	0.55	4.11	63,698
Hahayle	2.03	1.12	0.60	0.47	1.37	1.27	0.21	0.22	0.59	0.80	103,565
Wereda Adwa	0.89	0.28	0.61	0.06	0.36	0.31	0.07	0.24	0.10	2.27	118,420
Adwa town	0.54	0.61	0.97	0.14	0.52	0.41	0.06	0.66	0.79	2.04	102,697
Rama	3.15	0.50	2.64	0.00	0.18	0.29	0.08	0.34	0.44	1.43	61,106
Ahsea	3.04	1.71	0.53	0.14	0.40	0.25	0.44	0.87	0.52	1.12	51,065
Egela	1.59	1.21	0.72	0.04	0.59	0.43	1.52	0.16	0.04	2.53	52,937
Ahferom	0.88	0.72	0.55	0.34	0.94	0.92	0.54	0.77	0.20	2.89	76,731
Enticho town	0.57	0.78	0.50	0.06	0.58	0.49	0.29	0.36	0.20	1.51	20,349
Bizet	0.33	0.21	0.87	0.49	0.95	0.27	0.51	0.50	0.12	3.14	29,459
Gulomekeda	0.16	0.63	0.19	0.00	0.87	0.38	0.58	0.25	0.09	3.50	49,325
Erob	0.14	0.19	0.90	0.22	0.73	0.45	0.51	0.13	0.41	5.18	37,065
Subha saesei	0.28	2.34	1.11	0.18	0.83	0.67	0.46	0.35	1.31	2.62	57,635
Edaga hamus	0.00	0.55	0.80	0.10	0.60	0.22	0.25	0.17	0.08	3.01	34,562

Ganta afeshum	0.21	0.12	1.05	0.00	0.89	0.12	0.31	1.05	0.19	1.02	97,814
Adigrat	0.19	0.54	0.64	0.00	0.43	0.45	0.43	0.17	0.17	1.64	139,693
Wereda Hawzen	1.12	1.42	0.52	0.08	1.27	1.03	0.21	0.57	0.16	3.19	88,600
Hawzen	0.00	0.16	0.85	0.00	0.05	0.03	0.00	0.00	0.15	0.24	45,257
Tsaeda Emab	0.13	0.45	1.03	0.31	1.64	0.31	0.31	0.55	0.07	5.78	75,576
Freweini town	1.08	1.70	1.06	0.40	0.50	0.96	1.69	0.32	0.50	7.34	19,123
Atsbi	0.26	0.06	0.40	0.15	0.31	0.16	0.43	0.27	0.12	4.15	54,708
Atsbi town	0.00	0.44	0.38	0.06	0.23	0.17	0.57	0.29	0.00	0.71	25,268
Tsirae wemberta	0.12	0.11	0.29	0.04	0.22	0.22	0.27	0.28	0.04	2.21	105,496
Wukro	0.06	0.14	0.18	0.06	0.18	0.27	0.17	0.00	0.04	1.23	66,628
Kilte Awlaelo	0.32	0.24	0.54	0.00	0.58	0.00	0.00	0.31	0.00	1.09	79,044
Gerealta	0.14	0.27	0.65	0.10	0.29	0.33	0.38	0.28	0.25	1.96	53,019
Degua temben	0.22	0.37	1.28	0.67	0.80	0.48	0.48	0.82	0.26	2.13	64,770
Hagereselam	0.06	0.48	0.52	0.25	0.35	0.39	0.36	0.19	0.72	1.96	11,043
Enderta	0.47	0.54	0.23	0.10	0.26	0.13	0.50	0.42	0.12	1.83	227,073
Seharti	0.63	0.28	0.24	0.07	0.32	0.10	0.06	0.22	0.09	1.05	129,639
Samre	3.89	0.05	0.37	0.17	0.20	0.58	0.43	0.44	0.39	2.31	87,171
Hintalo	0.51	0.84	2.60	0.14	0.60	0.61	0.49	0.47	0.35	0.54	125,620
Adigudem	0.12	0.20	0.36	0.26	0.09	0.18	0.13	0.00	0.13	1.37	23,031
Wajirat	1.03	0.36	1.33	0.17	0.67	0.34	0.42	1.19	0.14	7.36	52,287
Ayder	0.18	0.23	0.12	0.16	0.35	0.39	0.85	0.29	0.48	1.60	100,718
Semen	0.08	0.57	0.89	0.17	0.43	0.24	0.14	0.15	0.00	1.81	113,747
Quiha	0.06	0.31	0.61	0.00	0.30	0.28	0.25	0.13	0.18	1.27	50,207
Kedamay Weyane	0.24	0.45	0.85	0.10	0.50	0.35	1.16	0.05	0.98	5.28	39,700
Hawelti	0.14	0.46	1.23	0.27	0.20	0.15	0.30	0.06	0.00	0.79	128,686

Adi Haki	0.00	0.22	0.46	0.13	0.35	0.39	0.55	0.08	0.24	1.55	102,990
Hadnet	0.03	0.52	0.40	0.14	0.68	0.77	0.40	0.05	0.08	5.20	175,301
Emba Alaje	0.00	0.11	0.13	0.06	0.08	0.00	0.00	0.00	0.00	0.06	64,167
Selewa	0.35	0.84	0.62	0.25	1.12	0.19	0.13	0.49	0.16	3.09	46,680
Bora	1.69	0.70	0.77	0.19	0.61	0.21	0.28	0.54	1.29	1.11	30,088
Neqsege	0.28	0.06	0.29	0.00	0.18	0.00	0.00	0.00	0.13	0.21	37,916
Enda mekoni	0.80	0.42	0.40	0.24	0.79	0.23	0.14	0.19	0.00	0.84	72,583
Maichew	0.17	0.40	0.29	0.21	0.28	0.00	0.03	0.03	0.27	0.85	45,894
Mekoni town	1.48	0.65	0.78	0.00	0.67	0.29	2.35	0.40	0.29	2.90	162,619
Raya Azebo	0.26	0.38	0.14	0.03	0.70	0.23	0.00	0.27	0.05	1.36	108,573
Raya Chercher	1.03	0.78	1.48	0.00	1.42	0.18	0.27	0.43	0.00	6.94	36,164
IDP	1.35	0.67	0.43	0.06	0.28	0.69	0.30	0.38	0.33	4.09	908,721
Total	1.47	0.64	0.74	0.15	0.57	0.47	0.44	0.42	0.25	2.78	6,862,565

Table 0-5: Consultation to health provider due to illness or injury in the last four weeks, TSES, 2024 G.C

Socio-demographic characteristics	Traditional Healer	Doctor	Dentist	Nurse	Medical Assistant	Midwife	Pharmacist	No One	Maytsebel	Don't know	Other	Weighted number
Regional	4.27	52.98	0.74	17.11	6.62	0.14	8.00	7.60	0.70	1.63	0.23	423,217
Age group												
0-4 Years	3.40	44.67	0.59	26.93	8.44	0.15	9.30	4.26	0.26	1.59	0.41	47,675
5-17 Years	4.18	46.47	0.55	21.00	5.97	0.11	11.43	7.07	0.87	2.17	0.18	78,219
18-59 Years	4.64	55.52	0.92	14.99	6.81	0.19	7.56	7.07	0.69	1.36	0.25	220,704
≥60 Years	3.83	57.48	0.47	13.16	5.60	0.00	4.94	11.72	0.81	1.88	0.10	76,619
Sex												
Male	4.46	53.70	0.57	17.92	6.96	0.11	7.16	6.67	0.44	1.62	0.39	206,588
Female	4.09	52.29	0.89	16.34	6.29	0.16	8.79	8.48	0.95	1.64	0.07	216,629
Residence												
urban	3.02	66.87	0.86	11.29	4.82	0.28	7.29	4.31	0.53	0.43	0.31	143,561
Rural	4.91	45.85	0.67	20.10	7.54	0.06	8.36	9.28	0.78	2.25	0.19	279,656
Zone												
North Western	4.99	42.43	1.17	21.60	8.21	0.07	14.68	5.39	0.25	0.89	0.33	119,256
Central	3.17	54.89	0.36	13.39	8.08	0.15	5.71	10.81	0.88	2.45	0.11	135,943
Eastern	5.64	59.41	0.59	10.64	5.63	0.06	4.03	8.69	1.80	3.02	0.50	57,431
South East	5.40	44.46	0.73	27.67	8.39	0.30	4.36	7.21	0.52	0.90	0.05	41,410
Mekelle	2.44	71.10	0.64	13.92	0.75	0.23	4.64	5.10	0.49	0.39	0.30	37,286
Southern	4.46	62.62	1.09	17.86	0.82	0.11	8.57	3.59	0.05	0.84	0.00	31,891
Household head literacy												
No education	4.96	53.43	0.73	14.30	6.70	0.09	5.54	11.83	0.58	1.74	0.09	89,777

Socio-demographic characteristics	Traditional Healer	Doctor	Dentist	Nurse	Medical Assistant	Midwife	Pharmacist	No One	Maytsebel	Don't know	Other	Weighted number
Primary education	2.81	56.03	0.75	16.15	7.41	0.46	7.00	7.18	0.72	1.43	0.08	40,518
Secondary education	2.87	61.56	0.58	10.94	5.70	0.00	8.68	7.09	0.93	1.18	0.48	18,343
Tertiary education	1.78	74.51	0.75	6.85	2.72	0.52	5.39	6.35	0.86	0.00	0.28	9,729
Total	3.97	56.33	0.72	13.93	6.52	0.20	6.27	9.76	0.67	1.49	0.14	158,366
Woreda												
Axum town	0.00	95.44	0.91	0.13	0.00	0.00	1.48	0.56	0.00	1.48	0.00	6,998
Adwa town	0.51	88.27	0.34	6.30	1.66	0.00	1.15	1.78	0.00	0.00	0.00	7,025
Wukro	0.00	86.34	2.61	0.00	0.00	0.00	0.00	6.83	0.00	2.64	1.58	1,543
Adigrat	2.74	83.72	0.00	2.50	8.21	0.00	1.49	0.00	1.33	0.00	0.00	6,399
Hawzen	7.56	81.78	0.00	3.86	0.00	0.00	4.26	2.54	0.00	0.00	0.00	876
Neader	7.99	80.92	0.00	9.68	0.00	0.00	0.00	1.41	0.00	0.00	0.00	2,805
Enticho town	3.03	80.00	0.00	9.18	0.00	0.00	2.76	2.56	2.46	0.00	0.00	1,022
Bizet	2.22	79.68	0.00	14.38	1.71	0.00	0.00	1.29	0.00	0.72	0.00	1,931
Kedamay Weyane	4.02	79.63	0.00	1.87	0.00	1.57	5.46	5.79	1.45	0.00	0.21	3,798
Atsbi	6.35	79.00	0.78	2.81	0.00	0.00	2.72	3.62	2.72	2.00	0.00	3,254
Raya Chercher	2.20	78.20	0.00	1.31	1.60	0.00	9.37	5.04	0.00	2.28	0.00	4,249
Semen	1.92	76.73	1.28	15.82	0.95	0.00	0.00	3.29	0.00	0.00	0.00	4,702
Tahtay maichew	2.20	76.51	0.28	1.81	0.00	0.00	12.87	5.39	0.67	0.28	0.00	16,076
Adi Haki	0.00	76.16	0.00	8.30	3.71	0.00	1.37	6.70	0.00	3.76	0.00	3,856
Wereda Adwa	6.71	75.13	1.24	6.43	1.48	0.00	2.38	3.21	1.14	2.28	0.00	5,851
Maichew	11.49	72.57	8.27	6.28	1.38	0.00	0.00	0.00	0.00	0.00	0.00	966
Endabatsehama	6.36	72.42	0.76	2.06	7.43	0.00	0.00	3.41	5.33	2.22	0.00	4,379
Tsimbila	6.10	72.39	2.06	6.04	1.95	0.00	4.85	2.27	0.00	4.36	0.00	6,543

Socio-demographic characteristics	Traditional Healer	Doctor	Dentist	Nurse	Medical Assistant	Midwife	Pharmacist	No One	Maytsebel	Don't know	Other	Weighted number
Ahsea	0.00	72.08	0.00	17.11	0.00	0.00	7.12	3.70	0.00	0.00	0.00	3,683
Quiha	1.09	71.49	3.22	5.18	0.00	1.67	11.60	5.74	0.00	0.00	0.00	1,658
Sheraro	0.65	71.14	0.00	9.74	0.65	0.00	15.89	1.29	0.00	0.65	0.00	2,187
Hagereselam	8.06	70.38	0.00	15.39	3.54	0.00	0.00	2.63	0.00	0.00	0.00	547
Raya Azebo	7.24	70.10	0.97	3.20	1.95	0.00	4.51	12.03	0.00	0.00	0.00	3,239
Hawelti	2.29	68.43	1.60	18.15	1.97	0.00	5.61	1.97	0.00	0.00	0.00	4,658
Hadnet	2.76	68.11	0.00	19.15	0.00	0.00	4.88	3.66	0.72	0.00	0.72	14,233
Mekoni town	3.61	68.05	0.00	12.62	0.00	0.00	13.14	1.55	0.00	1.03	0.00	15,011
Edaga hamus	1.53	67.31	0.36	4.44	14.13	0.00	3.56	0.70	7.63	0.35	0.00	1,876
Kilte Awlaelo	2.36	66.57	0.00	5.82	0.00	0.00	0.00	19.93	0.00	5.31	0.00	2,088
Shire Endaselassie	4.23	65.79	2.76	11.83	2.52	0.00	5.52	7.35	0.00	0.00	0.00	5,124
Ayder	3.43	65.65	1.14	9.14	0.00	0.00	7.32	12.80	0.53	0.00	0.00	4,382
Ganta afeshum	11.56	62.48	0.00	1.41	20.55	0.00	1.30	1.41	1.30	0.00	0.00	4,477
Subha sasei	1.36	61.45	0.61	4.23	23.48	0.00	6.10	2.78	0.00	0.00	0.00	4,429
Maekel Adyabo	13.88	61.25	0.00	3.02	4.88	0.00	13.89	3.09	0.00	0.00	0.00	1,930
Laelay koraro	0.97	60.83	1.93	26.61	0.00	0.00	6.81	2.86	0.00	0.00	0.00	8,398
Erob	15.25	60.66	1.88	20.30	0.74	0.74	0.00	0.00	0.00	0.43	0.00	3,120
Bora	16.22	58.92	1.93	11.97	0.00	1.93	3.86	5.18	0.00	0.00	0.00	1,808
Samre	14.72	58.40	0.97	21.33	0.54	0.00	1.78	2.26	0.00	0.00	0.00	7,361
Adigudem	2.40	57.84	4.97	20.16	3.29	0.00	7.92	1.94	0.00	1.47	0.00	630
Endabguna	3.27	56.92	0.00	21.10	4.90	0.00	8.91	0.00	0.00	0.00	4.90	1,662
Ahferom	6.67	54.88	0.00	14.06	6.07	0.00	0.00	14.26	0.00	1.73	2.33	6,363
Freweini town	2.78	54.22	0.34	3.73	1.99	0.00	9.03	21.72	2.98	1.16	2.04	2,583

Socio-demographic characteristics	Traditional Healer	Doctor	Dentist	Nurse	Medical Assistant	Midwife	Pharmacist	No One	Maytsebel	Don't know	Other	Weighted number
Kola temben	1.79	53.15	0.00	35.90	4.89	0.00	2.06	1.23	0.00	0.99	0.00	4,403
Wereda Hawzen	6.44	53.07	0.00	19.71	0.00	0.00	3.67	12.26	4.48	0.38	0.00	7,215
Seharti	1.15	52.40	1.50	18.81	10.00	1.50	1.08	10.89	0.00	2.66	0.00	3,467
Atsbi town	0.00	52.24	0.00	39.70	1.85	1.83	0.00	0.00	4.38	0.00	0.00	701
Emba Alaje	0.00	50.52	0.00	49.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	258
Adet	7.21	48.92	2.49	20.13	7.19	1.24	1.78	0.96	0.00	10.08	0.00	4,275
Enderta	5.18	48.30	0.00	15.03	25.40	0.00	0.00	4.84	0.00	1.26	0.00	9,575
Neqsege	6.48	47.53	0.00	30.19	0.00	0.00	4.54	3.75	3.75	3.75	0.00	408
Tsirae wemberta	3.92	47.26	1.19	23.72	1.19	0.00	3.56	14.83	1.94	1.44	0.97	3,910
Embasineyti	3.56	47.21	0.42	15.58	21.45	0.00	9.23	0.89	1.66	0.00	0.00	10,875
Laelay Maichew	0.65	47.15	0.00	39.23	1.59	0.00	5.69	5.15	0.00	0.53	0.00	7,570
Enda mekoni	4.50	45.07	7.50	30.67	0.00	0.00	4.77	7.50	0.00	0.00	0.00	2,691
Chila	4.50	44.78	0.00	37.66	1.42	0.00	0.00	4.90	1.63	5.12	0.00	2,010
Tanqua milash	3.16	44.68	1.10	25.06	4.58	0.00	5.78	13.45	0.00	2.20	0.00	2,444
Egela	2.24	43.63	0.00	22.17	3.71	0.00	12.68	13.65	1.30	0.62	0.00	4,304
Keyih tekli	0.00	43.34	0.00	43.52	3.78	0.00	0.00	8.29	0.00	1.07	0.00	3,539
Gulomekeda	12.23	42.68	0.00	29.17	0.00	0.00	1.42	8.58	3.43	2.49	0.00	3,043
tahtay Koraro	1.22	41.90	0.00	35.39	0.00	0.00	4.98	10.17	1.46	2.20	2.68	11,685
Rama	4.06	41.78	0.00	16.23	4.12	0.00	13.70	18.36	0.00	1.76	0.00	5,256
Hintalo	0.74	40.31	0.80	50.26	3.69	0.00	0.00	2.86	0.00	1.33	0.00	8,639
Tsaeda Emab	5.50	38.64	1.29	6.80	0.47	0.00	12.91	15.59	0.62	15.92	2.25	7,604
Degua temben	9.02	38.03	1.70	31.37	5.60	0.79	0.89	8.77	3.84	0.00	0.00	4,661
Abegele	4.35	37.88	0.15	9.57	13.89	0.00	6.68	27.25	0.00	0.23	0.00	16,529

Socio-demographic characteristics	Traditional Healer	Doctor	Dentist	Nurse	Medical Assistant	Midwife	Pharmacist	No One	Maytsebel	Don't know	Other	Weighted number
Tahtay Adyabo	2.15	37.38	0.27	47.87	2.84	0.00	7.91	0.81	0.00	0.77	0.00	21,876
Zana	2.79	36.75	0.00	29.24	4.26	0.00	5.98	20.39	0.00	0.61	0.00	14,478
Gerealta	5.73	35.96	1.11	13.88	11.76	0.00	1.57	26.58	0.00	3.41	0.00	2,381
Aidaero	18.14	35.44	4.43	21.76	11.48	0.00	2.27	6.48	0.00	0.00	0.00	11,843
Asgede	5.34	35.35	0.39	1.18	14.63	0.00	40.77	1.30	0.27	0.79	0.00	29,201
Hahayle	0.00	32.61	0.00	22.36	8.51	0.00	5.86	28.09	1.66	0.90	0.00	6,546
Mai kinetal	4.50	26.53	0.00	1.36	14.04	0.34	5.14	27.38	3.39	17.31	0.00	11,033
Selewa	0.00	26.28	0.00	70.14	3.58	0.00	0.00	0.00	0.00	0.00	0.00	3,261
Wajirat	1.13	25.51	0.00	27.26	0.57	0.57	23.67	19.84	0.57	0.57	0.33	6,531
Abiadi	1.62	19.48	1.50	3.09	69.04	3.95	0.68	0.00	0.64	0.00	0.00	2,957
Seymti Adyabo	4.41	18.05	6.13	3.33	57.07	1.90	4.99	2.66	1.11	0.35	0.00	4,329
IDP	10.51	76.92	0.09	4.32	2.71	0.00	2.19	0.00	0.00	2.12	1.12	74,343
Total	5.20	56.56	0.64	15.20	6.04	0.12	7.13	6.46	0.59	1.70	0.36	497,560

Table 0-6: Place of health facility or traditional healer received or consulted for medical assistance, TSES, 2024 G.C

Socio-demographic characteristics	Hospital	Health Center	Health Post	Clinics	Pharmacy	Traditional Healer	Patient Home	Maytselot	Other	Weighted number
Regional	43.69	28.75	5.42	7.15	10.22	2.78	1.02	0.66	0.32	391,069
Age group										
0-4	32.64	38.35	7.37	7.79	11.43	1.56	0.57	0.17	0.11	45,643
5-17	33.54	33.08	6.79	6.63	14.88	2.81	1.18	0.88	0.21	72,690
18-59	46.70	26.17	5.00	7.80	9.25	3.39	0.78	0.59	0.32	205,098
≥60	52.91	25.41	3.93	5.29	7.35	1.73	1.85	0.94	0.59	67,637
Sex										
Male	43.41	30.49	5.63	6.31	9.58	2.72	0.85	0.55	0.46	192,803
Female	43.96	27.05	5.22	7.96	10.85	2.83	1.18	0.76	0.19	198,266
Residence										
urban	55.59	18.27	1.01	12.44	9.28	1.85	0.48	0.64	0.44	137,376
Rural	37.24	34.42	7.82	4.28	10.73	3.28	1.31	0.67	0.26	253,693
Zone										
North Western	26.29	34.76	9.42	6.66	17.05	3.95	0.93	0.19	0.74	112,826
Central	53.10	28.98	3.77	3.62	6.74	1.94	1.05	0.71	0.09	121,248
Eastern	56.25	19.33	3.46	7.30	7.02	2.98	1.77	1.58	0.30	52,440
South East	37.05	38.20	9.09	6.14	4.84	2.26	1.31	1.11	0.00	38,425
Mekelle	54.53	14.14	1.23	18.69	8.15	2.18	0.08	0.57	0.43	35,386
Southern	44.77	26.82	0.92	10.55	13.46	2.79	0.59	0.10	0.00	30,744
Household head litracy										
No education	47.31	27.50	6.42	5.46	8.24	3.11	1.34	0.21	0.41	79,155

Socio-demographic characteristics	Hospital	Health Center	Health Post	Clinics	Pharmacy	Traditional Healer	Patient Home	Maytselot	Other	Weighted number
Primary education	48.49	26.47	4.77	7.38	9.48	1.78	0.52	0.92	0.19	37,610
Secondary education	48.57	22.91	0.97	13.50	9.77	1.54	0.67	1.38	0.68	17,041
Taritiary education	67.51	9.82	0.00	15.45	5.18	0.83	0.91	0.00	0.30	9,110
Total	49.06	25.55	4.93	7.56	8.55	2.43	1.02	0.52	0.38	142,917
Woreda										
Axum town	88.23	0.91	0.00	9.38	0.00	0.00	1.49	0.00	0.00	6,959
Hagereselam	82.64	9.36	0.00	1.21	0.00	5.35	1.44	0.00	0.00	532
Quiha	75.89	3.04	1.16	2.03	16.73	1.16	0.00	0.00	0.00	1,563
Semen	75.83	2.97	0.92	16.78	0.92	1.51	0.00	1.07	0.00	4,548
Enticho town	75.70	5.18	1.32	8.20	5.38	1.70	1.21	1.32	0.00	996
Tahtay maichew	75.23	4.33	0.30	3.83	14.48	0.83	0.00	1.00	0.00	15,210
Adwa town	74.93	15.20	3.43	1.78	4.15	0.52	0.00	0.00	0.00	6,899
Maichew	74.34	9.60	0.00	10.15	0.00	2.77	0.00	3.14	0.00	966
Atsbi town	74.16	1.85	0.00	19.61	0.00	0.00	2.59	1.78	0.00	701
Wukro	72.86	5.61	0.00	13.06	5.64	0.00	2.84	0.00	0.00	1,437
Adigrat	72.73	16.53	1.28	8.13	0.00	0.00	0.00	1.33	0.00	6,399
Endabatsehama	71.50	14.57	4.55	0.00	2.76	4.32	2.30	0.00	0.00	4,229
Erob	70.92	25.42	0.45	0.00	0.00	1.60	1.17	0.43	0.00	3,120
Kedamay Weyane	69.78	7.97	0.33	7.98	7.67	3.60	0.77	0.77	1.13	3,578
Ahferom	69.05	8.37	11.47	5.50	0.00	4.16	1.44	0.00	0.00	5,455
Degua temben	65.77	18.86	6.23	0.00	1.53	3.39	0.86	3.34	0.00	4,252
Hawelti	65.16	18.51	0.00	7.98	6.02	2.33	0.00	0.00	0.00	4,566
Kilte Awlaelo	64.99	19.61	1.25	2.51	5.46	2.95	3.23	0.00	0.00	1,672

Socio-demographic characteristics	Hospital	Health Center	Health Post	Clinics	Pharmacy	Traditional Healer	Patient Home	Maytselot	Other	Weighted number
Wereda Adwa	62.41	19.50	0.92	9.80	2.45	2.58	1.18	1.18	0.00	5,663
Hawzen	62.32	19.83	0.00	13.48	4.37	0.00	0.00	0.00	0.00	854
Wereda Hawzen	60.81	14.01	0.53	2.30	9.48	3.38	3.23	6.26	0.00	6,330
Adigudem	60.69	19.68	0.00	11.56	8.07	0.00	0.00	0.00	0.00	618
Tsaeda Emab	60.44	7.30	6.16	5.49	15.57	4.54	0.50	0.00	0.00	6,419
Abegele	59.54	22.66	4.81	0.00	9.18	1.55	1.28	0.98	0.00	12,025
Rama	58.12	5.68	14.01	0.56	15.41	5.13	0.00	1.08	0.00	4,291
Freweini town	57.69	1.86	0.00	21.70	9.27	0.62	3.22	3.04	2.61	2,021
Gerealta	57.09	29.12	0.00	2.78	2.14	2.80	4.65	1.43	0.00	1,748
Mekoni town	55.52	10.20	0.00	17.27	14.91	2.10	0.00	0.00	0.00	14,779
Atsbi	54.91	5.98	3.70	20.32	5.75	3.96	0.00	4.60	0.78	3,136
Tsirae wemberta	54.72	21.36	8.43	0.00	10.01	3.21	0.00	0.00	2.27	3,330
Laelay koraro	53.07	31.01	4.71	2.75	6.22	0.99	0.49	0.00	0.76	8,158
Adi Haki	52.66	10.57	7.23	16.44	11.60	0.00	0.00	0.00	1.50	3,597
Egela	52.12	25.18	2.48	1.33	14.80	1.59	0.50	2.00	0.00	3,716
Emba Alaje	50.52	49.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	258
Bora	50.42	30.12	5.94	2.03	2.03	9.45	0.00	0.00	0.00	1,714
Subha sasei	47.75	33.43	3.08	3.96	9.04	1.55	1.19	0.00	0.00	4,306
Kola temben	47.10	48.03	0.73	0.84	2.22	1.08	0.00	0.00	0.00	4,349
Samre	46.03	37.57	3.55	3.12	0.48	3.09	3.06	3.11	0.00	7,194
Enda mekoni	44.29	40.83	2.01	1.88	6.13	2.92	1.94	0.00	0.00	2,489
Ayder	42.89	16.31	0.00	26.29	11.27	2.62	0.00	0.61	0.00	3,821
Ganta afeshum	41.72	19.88	13.31	16.40	2.17	3.49	2.17	0.86	0.00	4,414
Hahayle	41.69	43.82	1.26	1.04	8.63	1.26	0.00	1.04	1.27	4,707

Socio-demographic characteristics	Hospital	Health Center	Health Post	Clinics	Pharmacy	Traditional Healer	Patient Home	Maytselot	Other	Weighted number
Tsimbila	41.60	23.20	2.37	4.44	17.76	9.53	1.10	0.00	0.00	6,395
Hadnet	41.25	19.59	0.75	26.07	8.62	2.55	0.00	0.75	0.42	13,713
Neqsege	41.09	34.20	10.73	10.08	0.00	0.00	3.90	0.00	0.00	393
Maekel Adyabo	40.04	27.97	3.12	13.39	15.48	0.00	0.00	0.00	0.00	1,870
Gulomekeda	39.32	32.63	3.75	6.20	1.17	13.36	3.56	0.00	0.00	2,782
Tanqua milash	38.13	50.41	2.54	0.00	5.11	1.27	2.54	0.00	0.00	2,115
Laelay Maichew	37.55	45.97	1.91	7.49	6.52	0.00	0.56	0.00	0.00	7,180
Abiadi	36.22	53.44	6.10	1.98	0.00	1.62	0.64	0.00	0.00	2,957
Embasineyti	35.38	34.65	4.90	10.41	9.17	3.33	1.43	0.25	0.49	10,778
Raya Azebo	34.10	35.06	2.53	11.86	8.96	6.75	0.74	0.00	0.00	2,849
Mai kinetal	33.63	44.61	3.36	1.40	6.24	2.27	4.60	3.89	0.00	8,012
Neader	33.18	52.41	6.82	1.61	0.00	5.98	0.00	0.00	0.00	2,766
Edaga hamus	32.65	19.65	0.71	4.66	31.22	2.25	5.64	2.85	0.36	1,863
Enderta	31.58	36.39	10.74	15.85	0.00	4.78	0.00	0.66	0.00	9,112
Shire Endaselassie	30.27	18.17	2.26	36.36	7.38	5.56	0.00	0.00	0.00	4,747
Aidaero	29.93	44.45	4.80	5.12	2.62	9.52	3.57	0.00	0.00	11,076
Endabguna	29.73	31.57	3.27	15.08	10.55	3.27	1.63	0.00	4.90	1,662
Hintalo	29.54	46.87	16.16	6.89	0.00	0.00	0.55	0.00	0.00	8,391
Wajirat	27.60	38.37	0.00	0.71	31.20	0.71	1.42	0.00	0.00	5,236
Adet	27.11	56.23	8.99	0.00	2.69	4.98	0.00	0.00	0.00	4,234
tahtay Koraro	26.43	51.28	0.46	8.23	5.54	1.10	0.72	1.63	4.62	10,497
Chila	26.35	63.73	0.00	0.00	1.29	3.01	5.61	0.00	0.00	1,911
Sheraro	25.79	23.17	0.00	23.89	24.52	0.00	0.65	0.00	1.96	2,158
Raya Chercher	25.76	29.23	0.00	3.33	36.96	2.32	2.40	0.00	0.00	4,035

Socio-demographic characteristics	Hospital	Health Center	Health Post	Clinics	Pharmacy	Traditional Healer	Patient Home	Maytselot	Other	Weighted number
Asgede	22.82	11.40	12.43	7.95	39.79	4.58	0.43	0.00	0.58	28,822
Bizet	21.43	68.28	1.73	2.68	1.91	1.59	2.38	0.00	0.00	1,907
Tahtay Adyabo	19.70	37.51	25.73	0.92	12.68	2.71	0.75	0.00	0.00	21,700
Ahsea	19.22	64.74	6.04	0.00	10.01	0.00	0.00	0.00	0.00	3,547
Keyih tekli	19.04	76.47	2.62	1.88	0.00	0.00	0.00	0.00	0.00	3,245
Selewa	17.50	81.95	0.55	0.00	0.00	0.00	0.00	0.00	0.00	3,261
Seharti	16.57	56.51	20.61	0.00	2.43	0.00	3.88	0.00	0.00	3,089
Zana	16.06	69.82	1.06	2.97	8.53	1.15	0.40	0.00	0.00	11,527
Seymti Adyabo	15.36	71.52	0.00	0.00	4.04	5.62	2.31	1.14	0.00	4,214
IDP	44.21	14.73	24.30	4.74	2.57	1.31	0.00	4.36	3.78	74,343
Total	43.77	26.51	8.44	6.76	9.00	2.55	0.85	1.25	0.88	465,411

Table 0-7: Absence from activity during illness and travel time to health facility, TSES, 2024 G.C.

Socio-demographic characteristics	Weighted						Unweighted					
	Absence from activity due to illness			Travel time to health facility			Absence from activity due to illness			Travel time to health facility		
	Median	IQR	Number	Median	IQR	Number	Median	IQR	Number	Median	IQR	Number
Regional	5	12	423,217	60	120	391,069	5	12	8,822	70	120	8,130
Age group												
0-4	2	6	47,675	45	65	45,643	2	7	931	60	90	886
5-17	4	5	78,219	60	90	72,690	4	5	1,610	60	110	1,484
18-59	5	12	220,704	60	120	205,098	5	12	4,615	80	150	4,293
≥60	5	18	76,619	80	150	67,637	5	18	1,666	90	145	1,467
Sex												
Male	5	12	206,588	60	120	192,803	5	12	4,287	80	150	3,983
Female	4	11	216,629	60	110	198,266	4	11	4,535	60	120	4,147
Residence												
Urban	3	6	143,561	30	40	137,376	3	6	2,808	30	40	2,680
Rural	5	12	279,656	90	120	253,693	5	12	6,014	120	120	5,450
Zone												
North Western	5	8	119,256	60	90	112,826	5	8	2,004	60	115	1,880
Central	5	12	135,943	90	150	121,248	5	12	2,966	90	150	2,678
Eastern	3	9	57,431	90	140	52,440	3	9	1,626	90	145	1,482
South East	5	16	41,410	105	130	38,425	5	12	902	90	150	829
Mekelle	2	7	37,286	30	40	35,386	3	7	678	30	40	640
Southern	3	9	31,891	30	65	30,744	4	8	646	60	150	621
Total	5	12	423,217	60	120	391,069	5	12	8,822	70	120	8,130

Socio-demographic characteristics	Weighted						Unweighted					
	Absence from activity due to illness			Travel time to health facility			Absence from activity due to illness			Travel time to health facility		
	Median	IQR	Number	Median	IQR	Number	Median	IQR	Number	Median	IQR	Number
Household head literacy												
No education	5	13	89,777	90	140	79,155	5	13	4,050	90	135	1,750
Primary education	5	12	40,518	60	120	37,610	5	12	2,816	60	150	783
Secondary education	4	13	18,343	60	75	17,041	4	8	1,035	60	90	347
Tertiary education	3	9	9,729	40	35	9,110	3	9	378	40	65	170
Total	5	12	158,366	60	120	142,917	5	12	8,822	80	150	3,050

Table 0-8: Main reason not consulting a healthcare provider or traditional healer, TSES, 2024 G.C

Socio demographic characteristics	Lack of money	Expensiveness	Too far	Not believing medicine	Lack of professional	Poor quality	No need of medicine	Other	Weighted number
Regional	73.49	1.32	12.27	3.52	0.92	1.84	5.17	1.48	32,149
Age group									
0-4	72.79	0.00	13.00	2.28	0.00	0.00	11.93	0.00	2,032
5-17	70.71	0.74	12.56	1.26	1.75	4.24	8.15	0.59	5,529
18-59	77.53	2.01	10.18	2.49	0.60	1.41	4.42	1.36	15,605
≥60	68.34	0.77	15.56	6.98	1.16	1.54	3.09	2.58	8,981
Sex of household head									
Male	72.00	1.19	11.86	3.20	0.42	2.35	7.39	1.58	13,785
Female	74.61	1.41	12.58	3.76	1.28	1.46	3.49	1.41	18,364
Residence									
urban	81.92	2.54	0.00	3.09	1.80	1.42	8.94	0.29	6,185
Rural	71.48	1.02	15.19	3.62	0.71	1.94	4.27	1.77	25,963
Zone									
North Western	66.51	0.37	17.42	2.85	0.00	2.27	7.55	3.02	6,430
Central	72.30	1.60	16.21	2.52	0.75	2.39	3.14	1.08	14,695
Eastern	74.78	1.26	6.71	8.34	0.25	0.00	6.54	2.12	4,991
South East	84.76	1.37	1.98	3.45	2.71	3.15	2.58	0.00	2,986
Mekelle	81.28	3.16	0.00	1.45	4.77	0.00	8.39	0.95	1,901
Southern	79.97	0.00	4.18	2.75	0.00	0.00	13.10	0.00	1,146
Household head litracy									
No education	75.36	0.00	13.84	4.58	0.50	0.22	4.06	1.45	10,622

Socio demographic characteristics	Lack of money	Expensi veness	Too far	Not believing medicine	Lack of professional	Poor quality	No need of medicine	Other	Weighted number
Primary education	78.12	2.06	10.40	0.00	2.01	1.74	3.94	1.74	2,907
Secondary education	72.71	0.00	3.55	0.96	0.96	0.00	20.21	1.61	1,301
Taritiary education	89.93	0.00	0.00	0.00	0.00	10.07	0.00	0.00	618
Total	**73.49**	**1.32**	**12.27**	**3.52**	**0.92**	**1.84**	**5.17**	**1.48**	**32,149**

Table 0-9: Consultation to illness or any medical assistance during the past 12 months, TSES, 2024 G.C

Socio demographic characteristics	Consultation to illness by Sex and Age category										Consultation to illness by age					
	Male					Female										
	0-4	5-17	18-59	≥60	Total	0-4	5-17	18-59	≥60	Total	0-4	5-17	18-59	≥60	Total	Weighted Number
Regional	20.37	13.988	24.324	42.371	21.929	18.61	12.7096	30.349	43.107	24.804	19.521	13.366	27.545	42.746	23.399	5,953,773
Residence																
Urban	24.11	15.545	23.547	47.307	22.735	22.329	15.2477	31.588	49.67	27.748	23.248	15.396	28.063	48.704	25.43	2,281,109
Rural	17.86	13.243	24.835	40.585	21.47	16.094	11.3785	29.365	39.226	22.819	17.008	12.35	27.168	39.947	22.138	3,672,664
Zone																
North Western	28.04	21.366	29.878	45.297	28.099	29.348	18.7555	36.923	50.161	31.756	28.683	20.12	33.577	47.733	29.943	1,167,349
Central	19.22	15.916	27.602	47.731	24.539	18.463	14.0907	32.388	47.084	26.377	18.847	15.018	30.105	47.409	25.471	1,691,482
Eastern	18.69	10.403	20.083	40.312	18.663	16.298	10.7091	26.786	37.656	22.047	17.591	10.552	23.783	38.907	20.415	1,058,274
South East	15.59	8.4231	18.238	29.804	15.287	12.725	7.12509	25.404	29.053	17.942	14.166	7.7967	22.014	29.447	16.624	720,635
Mekelle	20.31	12.185	20.443	44.717	19.621	15.787	10.8856	26.57	44.067	22.738	18.069	11.523	23.879	44.345	21.305	711,349
Southern	19.83	9.4131	22.544	36.954	18.788	15.408	9.77398	29.001	44.392	22.667	17.791	9.5838	25.967	40.58	20.728	604,685

Socio demographic characteristics	Consultation to illness by Sex and Age category										Consultation to illness by age					
	Male					Female										
	0-4	5-17	18-59	≥60	Total	0-4	5-17	18-59	≥60	Total	0-4	5-17	18-59	≥60	Total	Weighted Number
Household head literacy																
No education	0.00	0.00	29.361	39.238	33.216	0.00	15.9488	37.953	46.107	41.772	0.00	15.949	32.479	42.272	36.607	719,274
Primary education	0.00	19.11	37.533	51.389	39.714	0.00	28.5136	40.226	51.442	41.153	0.00	24.933	38.282	51.398	40.094	350,680
Secondary education	0.00	0.00	35.715	50.872	36.402	0.00	86.3641	31.983	57.367	32.588	0.00	76.841	34.472	52.041	35.152	219,564
Tertiary education	0.00	0.00	37.417	59.802	38.696	0.00	0.00	38.24	43.691	38.505	0.00	0.00	37.623	56.307	38.648	112,400
Total	0.00	17.116	34.07	42.298	36.039	0.00	31.936	37.28	46.511	40.077	0.00	27.05	35.099	43.964	37.415	1,401,918
Wereda																
Asgede	39.45	39.537	45.598	73.723	45.209	36.96	31.6046	61.676	85.86	50.787	38.297	35.611	53.226	78.989	47.871	96,574
Maichew	44.03	25.764	37.017	43.827	35.57	33.748	31.7229	48.748	56.461	43.566	39.496	28.947	43.406	51.806	39.855	45,894
Mai kinetal	27.09	25.925	47.905	70.624	39.221	23.238	25.8528	52.732	67.087	40.463	25.09	25.889	50.349	68.837	39.85	69,475
Rama	29.53	33.792	39.591	50.645	37.325	35.613	31.4582	43.804	59.866	40.658	32.575	32.656	41.858	55.404	39.045	61,106
Freweini town	50.15	25.644	38.902	54.689	36.755	56.345	17.1543	43.806	55.684	39.497	53.417	21.51	42.03	55.348	38.328	19,123
Tahtay Adyabo	36.15	31.314	36.565	57.006	36.173	32.913	32.9245	43.257	46.636	38.82	34.58	32.136	39.946	52.334	37.501	120,949
Zana	47.49	30.805	42.487	39.383	39.147	42.056	18.3497	40.446	48.541	35.158	44.995	25.069	41.416	43.736	37.182	84,215
Shire Endaselassie	36.32	25.073	31.56	71.338	32.136	40.4	24.3745	45.049	68.994	40.746	38.544	24.719	39.419	69.851	36.949	165,058
Abegele	30.33	29.777	38.407	63.929	35.948	36.975	25.554	42.689	57.361	36.56	33.858	27.713	40.631	61.52	36.255	112,566
Endabguna	31.75	25.792	29.212	45.263	29.621	40.106	20.7198	41.682	55.941	37.437	35.768	23.251	36.401	51.504	33.892	42,683
tahtay Koraro	31.24	29.835	30.039	38.732	31.039	34.918	23.6388	37.764	51.859	35.136	33.139	26.939	33.971	45.394	33.078	113,357
Hadnet	40.42	19.917	29.417	58.153	29.775	23.477	17.2044	38.981	59.882	33.956	31.432	18.561	34.612	59.223	32.018	175,301

Socio demographic characteristics	Consultation to illness by Sex and Age category										Consultation to illness by age					
	Male					Female										
	0-4	5-17	18-59	≥60	Total	0-4	5-17	18-59	≥60	Total	0-4	5-17	18-59	≥60	Total	Weighted Number
Laelay koraro	26.59	22.8	33.268	49.812	30.733	24.982	22.6838	37.621	43.979	32.458	25.901	22.745	35.533	46.925	31.581	122,159
Enticho town	35.15	13.967	29.049	60.095	27.791	21.001	17.7718	43.078	50.537	34.766	28.241	15.843	37.184	54.868	31.565	20,349
Subha sasei	31.11	17.551	34.343	58.704	30.451	20.19	16.6579	42.505	50.712	31.963	26.086	17.091	38.717	54.409	31.236	57,635
Embasineyti	34.83	21.894	29.728	39.092	28.826	34.465	19.2476	34.185	42.356	30.961	34.67	20.551	32.074	41.127	29.939	63,698
Tahtay maichew	25.33	20.371	32.678	50.829	29.504	28.994	16.4475	32.407	65.207	30.156	27.243	18.445	32.536	58.094	29.839	109,486
Gerealta	31.27	14.314	31.726	51.374	26.666	27.348	16.7465	44.383	47.911	31.948	29.366	15.497	38.42	49.929	29.296	53,019
Keyih tekli	17.64	20.206	38.105	44.559	28.933	19.535	18.1566	37.989	47.812	28.89	18.48	19.171	38.047	46.071	28.912	74,928
Tsirae wemberta	32.26	29.007	25.945	34.34	28.608	33.075	22.1114	29.083	42.219	28.905	32.59	25.665	27.611	38.716	28.758	105,496
Endabatsehama	21.98	15.1	30.396	58.365	25.929	16.868	17.2732	39.082	58.144	31.049	19.716	16.137	35.242	58.267	28.537	106,551
Ahferom	18.17	14.715	30.983	52.194	26.716	13.344	15.0482	37.176	49.647	29.378	15.706	14.875	34.106	50.873	28.044	76,731
Raya Chercher	23.72	13.784	29.23	51.954	25.352	17.658	15.3627	35.633	56.871	28.983	20.743	14.571	32.736	54.378	27.237	36,164
Wereda Adwa	16.38	18.508	27.864	51.824	26.029	13.566	14.3503	38.387	46.141	28.608	15.079	16.571	32.833	49.266	27.233	118,420
Mekoni town	27.34	10.763	27.061	39.341	23.213	19.893	10.8951	38.059	60.231	30.778	23.926	10.825	32.897	50.486	27.042	162,619
Edaga hamus	28.72	12.73	35.538	72.862	26.01	21.175	14.1375	34.03	54.65	27.788	25.803	13.383	34.609	58.656	26.957	34,562
Laelay Maichew	23.07	13.451	27.948	48.623	25.873	26.763	11.2028	32.516	34.643	25.905	25.027	12.406	30.111	42.417	25.888	74,237
Adigudem	29.35	14.741	19.416	60.016	22.785	14.545	17.9048	32.413	47.712	27.678	23.076	16.426	26.829	52.976	25.416	23,031
Egela	17.8	11.701	30.835	53.33	23.03	12.724	9.41548	41.603	57.751	26.841	15.228	10.496	37.213	55.372	25.111	52,937
Ganta afeshum	13.29	6.8421	23.889	58.176	21.158	5.3653	14.0794	34.187	57.949	28.521	9.4255	10.449	29.644	58.053	25.068	97,814
Atsbi town	18.38	7.7652	21.176	36.579	17.029	18.574	11.7704	39.497	70.238	30.185	18.463	9.8051	32.023	55.678	24.1	25,268
Wajirat	27.43	14.168	29.644	36.189	24.24	18.568	12.0235	30.643	36.895	23.874	23.164	13.162	30.181	36.518	24.056	52,287
Hawzen	14.87	7.9838	29.905	41.043	21.665	15.335	10.1591	33.982	42.142	25.781	15.103	9.1012	32.327	41.584	23.928	45,257
Kola temben	19.29	14.403	32.223	46.532	25.684	10.581	8.67843	31.631	43.257	22.169	14.983	11.556	31.916	45.025	23.913	110,826

Socio demographic characteristics	Consultation to illness by Sex and Age category										Consultation to illness by age					
	Male					Female										
	0-4	5-17	18-59	≥60	Total	0-4	5-17	18-59	≥60	Total	0-4	5-17	18-59	≥60	Total	Weighted Number
Degua temben	20.25	17.408	27.726	37.931	23.83	20.123	12.513	31.815	37.433	23.759	20.191	15.046	29.864	37.712	23.795	64,770
Ahsea	16.15	9.0258	27.383	46.916	21.411	13.263	6.50752	32.966	51.475	25.322	14.762	7.9659	30.135	49.394	23.264	51,065
Abiadi	17.77	13.994	20.128	44.822	20.048	10.943	11.7286	32.862	40.374	25.904	14.088	12.925	26.997	42.462	23.101	36,809
Hintalo	38.66	13.196	22.004	39.916	22.205	18.027	10.6428	31.138	37.837	23.763	28.793	11.982	26.855	38.87	22.991	125,620
Erob	9.973	11.189	19.99	63.934	19.868	29.512	9.12413	30.094	43.697	25.058	19.627	10.141	25.595	53.23	22.625	37,065
Ayder	10.71	16.108	24.411	50.411	22.068	14.519	11.7745	27.898	44.796	23.047	12.526	13.84	26.387	47.688	22.594	100,718
Kedamay Weyane	24.92	17.577	18.899	43.792	20.941	15.663	14.7152	23.336	37.854	22.459	19.922	16.176	21.422	39.931	21.786	39,700
Adwa town	16.39	12.879	16.335	50.89	17.805	10.161	14.4968	26.164	55.625	24.586	13.548	13.75	21.819	53.849	21.516	102,697
Bizet	17.12	6.2117	21.097	40.85	17.824	21.799	5.9237	33.723	32.13	25.071	19.152	6.0852	28.039	35.9	21.496	29,459
Tsaeda Emab	27.38	8.6847	19.009	37.319	18.446	17.497	11.9351	28.957	34.824	23.006	22.585	10.136	24.305	36.17	20.679	75,576
Aidaero	19.55	10.086	24.111	33.741	19.116	23.117	6.76586	27.972	44.2	22.238	21.43	8.5929	26.145	39.176	20.677	194,646
Tanqua milash	13.06	13.794	19.697	39.059	18.537	22.587	11.3698	28.103	37.217	22.358	17.884	12.621	24.058	38.288	20.437	56,310
Neader	5.257	8.3954	28.139	41.028	20.29	6.0471	8.57289	29.29	34.434	20.356	5.6381	8.4869	28.733	37.667	20.324	66,602
Adi Haki	20.67	10.731	18.976	31.881	17.053	24.872	11.6508	27.136	34.387	22.88	22.672	11.194	23.568	33.448	20.174	102,990
Raya Azebo	22.75	9.8831	22.558	42.234	19.06	16.002	7.0426	26.186	44.927	19.1	19.628	8.5226	24.461	43.299	19.08	108,573
Hahayle	10.41	7.4591	21.797	47.79	18.018	5.6927	6.74104	23.667	48.846	18.391	8.1217	7.1106	22.769	48.285	18.205	103,565
Selewa	19.29	7.5794	16.965	47.147	16.607	16.51	6.95811	26.849	33.875	19.12	17.756	7.2858	21.898	41.201	17.846	46,680
Quiha	23.51	4.4473	14.533	35.438	15.225	15.951	7.74665	23.049	31.479	19.224	19.976	6.2172	19.38	33.495	17.393	50,207
Bora	9.563	8.3078	23.039	32.211	16.814	9.2232	6.00103	26.545	19.786	17.537	9.4256	7.2062	24.82	27.05	17.159	30,088
Axum town	9.002	6.2184	14.61	47.409	14.656	6.5478	9.17087	19.803	48.27	18.476	7.8103	7.797	17.498	47.884	16.73	89,767
Tsimbila	14.25	9.4883	17.581	30.125	15.894	13.787	6.28077	21.41	36.582	17.147	14.065	8.0567	19.39	32.74	16.458	90,514
Atsbi	13.11	4.9303	18.597	45.426	16.171	9.5942	4.91596	22.703	32.629	16.703	11.571	4.9238	20.721	39.281	16.428	54,708

Socio demographic characteristics	Consultation to illness by Sex and Age category										Consultation to illness by age					
	Male					Female										
	0-4	5-17	18-59	≥60	Total	0-4	5-17	18-59	≥60	Total	0-4	5-17	18-59	≥60	Total	Weighted Number
Hagereselam	5.396	5.834	17.536	43.163	14.193	14.407	4.40249	24.71	28.027	18.302	9.8795	5.1191	21.555	34.533	16.393	11,043
Hawelti	16.06	6.9777	15.795	34.376	14.573	11.703	7.38477	18.672	39.603	16.174	13.977	7.1966	17.494	37.106	15.466	128,686
Adigrat	14.11	7.923	12.633	55.312	13.849	12.176	7.69243	18.122	32.069	16.293	13.206	7.8032	15.665	39.223	15.18	139,693
Seymti Adyabo	7.982	6.1727	20.197	34.67	15.656	12.319	3.78757	19.546	32.187	14.49	10.199	4.9022	19.854	33.492	15.047	51,665
Gulomekeda	10.06	9.8879	14.146	20.715	13.542	13.544	9.95977	20.356	19.675	16.5	11.496	9.9229	17.523	20.249	15.015	49,325
Maekel Adyabo	4.316	7.9646	16.136	38.105	13.603	2.6316	4.44681	22.257	24.65	15.532	3.3776	6.4047	19.394	31.088	14.584	47,944
Sheraro	9.761	6.8482	10.028	18.87	9.5302	17.332	6.76892	21.71	28.396	18.034	13.048	6.8136	16.457	23.62	13.792	37,582
Enderta	8.503	4.4636	15.148	26.285	10.998	14.192	4.87541	25.731	17.34	16.427	11.326	4.6672	20.783	22.001	13.768	227,073
Semen	5.563	5.2171	12.308	42.653	11.269	1.4727	3.28372	18.099	33.948	14.259	3.5149	4.3079	15.456	37.43	12.84	113,747
Adet	9.241	8.7233	13.983	23.662	12.596	12.322	3.77803	17.359	21.373	12.955	10.862	6.2567	15.683	22.425	12.779	76,646
Wukro	9.001	6.2916	11.315	34.935	10.532	4.4625	3.57233	18.049	30.239	13.103	6.8806	4.8315	15.238	31.95	11.953	66,628
Wereda Hawzen	6.128	2.2577	13.616	33.985	10.994	3.3518	2.7017	16.752	29.973	12.548	4.925	2.464	15.355	32.01	11.774	88,600
Enda mekoni	4.968	5.8014	14.138	27.738	11.172	1.4458	7.18168	14.023	31.076	12.064	3.3132	6.3994	14.074	29.306	11.619	72,583
Samre	5.331	6.0358	11.878	15.254	9.5001	5.1311	2.3452	20.085	27.609	13.814	5.2419	4.2913	15.995	21.468	11.597	87,171
Neqsege	7.819	6.0284	14.645	25.556	10.967	12.652	3.83987	16.65	13.586	11.344	10.024	4.9665	15.68	21.426	11.151	37,916
Seharti	7.428	4.8194	15.212	24.138	10.927	5.683	4.82181	14.884	25.557	10.498	6.4445	4.8205	15.043	24.735	10.712	129,639
Emba Alaje	9.297	3.9958	11.804	15.752	8.8195	8.6716	5.62483	13.853	20.003	11.066	9.0402	4.7251	12.868	17.941	9.8997	64,167
Kilte Awlaelo	3.626	3.9964	10.315	18.358	8.7708	7.3429	3.78034	13.308	19.385	10.874	5.5283	3.9004	11.876	18.815	9.7993	79,044
Chila	6.458	3.8547	10.035	14.583	8.0885	5.6031	1.97257	7.9726	20.227	7.0017	6.0286	2.9621	8.9555	17.169	7.5459	56,710
IDP	15.58	15.64	33.125	64.188	23.614	16.181	14.3225	38.356	59.667	27.103	15.825	15.002	36.24	62.115	25.422	908,721
Total	19.64	14.278	25.194	43.962	22.149	18.319	12.9904	31.336	44.109	25.112	19.012	13.652	28.52	44.036	23.667	6,862,494

Table 0-10: Frequency of consultation and payment to medical assistance for experienced illness, TSES, 2024 G.C

Socio-demographic characteristics	Weighted								Unweighted							
	Payment to illness in four weeks			Payment to illness in year		Frequency of visit per year		Number	Payment to illness in four weeks			Payment to illness in year		Frequency of visit per year		Number
	Median	IQR	Number	Median	IQR	Median	IQR		Median	IQR	Number	Median	IQR	Median	IQR	
Regional	600	2,300	391,069	1,200	4,700	3	3	1,393,129	700	2,550	8,130	1,200	4,700	3	2	28,007
Age group																
0-4	350	850	45,643	530	1,880	2	3	141,302	400	850	886	500	1,900	2	3	2,823
5-17	500	1,320	72,690	700	2,200	2	2	248,857	500	1,800	1,484	650	2,200	2	2	4,867
18-59	1,000	2,800	205,098	1,500	4,700	3	3	791,478	1,000	2,800	4,293	1,500	4,700	3	3	15,812
≥60	1,000	3,620	67,637	2,500	6,000	3	3	211,493	1,000	3,800	1,467	2,140	6,500	3	3	4,505
Sex																
Male	600	2,300	192,803	1,200	4,500	2	2	638,150	600	2,500	3,983	1,200	4,500	2	2	12,904
Female	650	2,300	198,266	1,200	4,720	3	3	754,980	700	2,700	4,147	1,200	4,750	3	3	15,103
Residence																
urban	650	2,300	137,376	1,500	4,700	3	3	580,078	800	2,300	2,680	1,500	4,700	3	3	10,582
Rural	600	2,320	253,693	1,000	3,750	2	2	813,052	600	2,800	5,450	1,000	3,750	2	2	17,425
Zone																
North Western	600	2,320	112,826	1,500	4,600	3	3	349,557	700	2,625	1,880	1,500	4,250	3	3	5,092
Central	500	1,850	121,248	1,000	2,730	2	2	430,841	500	1,850	2,678	1,000	2,750	2	2	9,325
Eastern	1,000	2,800	52,440	1,200	4,850	3	3	216,046	1,000	2,800	1,482	1,350	4,800	3	3	5,879
South East	700	2,900	38,425	1,000	4,850	2	2	119,796	600	2,920	829	900	3,940	2	2	2,495
Mekelle	1,200	3,200	35,386	2,000	5,500	3	4	151,549	1,500	3,660	640	2,000	5,500	3	3	2,520
Southern	1,000	2,700	30,744	1,500	4,650	3	3	125,340	1,000	3,400	621	1,700	5,100	3	3	2,696
Total	600	2,300	391,069	1,200	4,700	3	3	1,393,129	700	2,550	8,130	1,200	4,700	3	2	28,007

Socio-demographic characteristics	Weighted								Unweighted							
	Payment to illness in four weeks			Payment to illness in year		Frequency of visit per year		Number	Payment to illness in four weeks			Payment to illness in year		Frequency of visit per year		Number
	Median	IQR	Number	Median	IQR	Median	IQR		Median	IQR	Number	Median	IQR	Median	IQR	
Household head litracy																
No education	1,000	2,800	79,155	2,000	4,520	3	3	263,304	1,000	2,800	1,750	2,000	4,500	3	3	5,593
Primary education	600	2,850	37,610	1,500	4,650	3	3	140,603	800	2,810	783	1,500	4,700	3	3	2,821
Secondary education	800	2,750	17,041	1,800	4,600	3	3	77,181	800	2,300	347	1,500	4,650	3	3	1,461
Taritiary education	1,500	2,600	9,110	2,000	5,500	3	3	43,441	1,500	3,100	170	2,000	5,500	3	3	834
Total	1,000	2,800	142,917	2,000	4,600	3	3	524,529	1,000	2,800		2,000	4,600	3	3	10,709

Table 0-11: The presence of chronic illness, TSES, 2024 G.C

Socio demographic characteristics	Presence of chronic illness by Sex and Age category										Presence of chronic illness by age					
	Male					Female										
	0-4	5-17	18-59	≥60	Total	0-4	5-17	18-59	≥60	Total	0-4	5-17	18-59	≥60	Total	Number
Regional	0.83	1.50	6.64	19.63	5.29	0.49	1.23	8.95	24.42	6.96	0.66	1.37	7.87	22.07	6.14	5,953,844
Residence																
Urban	0.56	1.66	6.83	29.20	5.79	0.52	1.05	9.24	31.56	7.86	0.54	1.36	8.18	30.60	6.90	2,281,109
Rural	1.01	1.42	6.51	16.18	5.00	0.47	1.32	8.71	20.20	6.35	0.75	1.37	7.64	18.06	5.67	3,672,735
Zone																
North Western	1.28	1.98	9.44	25.72	7.37	0.55	1.87	12.84	35.66	10.10	0.92	1.93	11.22	30.70	8.75	1,167,420
Central	1.04	1.96	6.67	20.58	5.68	0.57	1.43	9.42	25.07	7.28	0.81	1.70	8.11	22.81	6.49	1,691,482
Eastern	0.38	1.31	5.89	15.10	4.50	0.56	1.10	8.20	18.27	6.31	0.46	1.21	7.16	16.78	5.43	1,058,274
South East	0.43	0.45	3.39	9.14	2.41	0.31	0.52	5.02	10.22	3.30	0.37	0.49	4.25	9.66	2.86	720,635
Mekelle	0.73	1.35	5.90	32.80	5.58	0.15	0.69	7.55	30.44	6.62	0.44	1.01	6.82	31.45	6.15	711,349
Southern	0.94	1.12	6.66	15.61	4.65	0.65	1.09	7.63	23.63	5.92	0.81	1.10	7.18	19.52	5.28	604,685
Household head literacy																
No education	0.00	0.00	9.66	16.73	12.42	0.00	15.95	19.20	25.68	22.25	0.00	15.95	13.12	20.68	16.31	719,274
Primary education	0.00	0.00	10.94	26.06	13.34	0.00	0.00	16.01	37.38	17.83	0.00	0.00	12.35	27.99	14.53	350,680
Secondary education	0.00	0.00	7.64	35.46	8.91	0.00	0.00	8.82	50.35	9.66	0.00	0.00	8.03	38.14	9.15	219,564
Tertiary education	0.00	0.00	8.41	39.97	10.24	0.00	0.00	11.07	47.35	12.84	0.00	0.00	9.08	41.57	10.88	112,400
Total	0.00	0.00	9.51	19.54	11.91	0.00	2.94	15.54	26.81	18.94	0.00	1.97	11.44	22.42	14.31	1,401,918
Wereda																

Socio demographic characteristics	Presence of chronic illness by Sex and Age category										Presence of chronic illness by age					
	Male					Female										
	0-4	5-17	18-59	≥60	Total	0-4	5-17	18-59	≥60	Total	0-4	5-17	18-59	≥60	Total	Number
Mai kinetal	2.82	4.06	13.33	38.01	10.71	0.00	4.87	18.74	46.71	13.65	1.35	4.47	16.07	42.40	12.20	69,475
Shire Endaselassie	0.00	1.62	11.50	51.42	8.95	1.94	2.11	17.17	53.48	14.03	1.06	1.87	14.80	52.73	11.79	165,058
Endabguna	1.94	2.65	9.53	31.20	8.10	1.57	1.14	12.14	60.58	12.43	1.76	1.89	11.03	48.37	10.47	42,683
Tahtay Adyabo	2.03	2.58	10.90	25.47	8.21	0.00	3.57	18.34	40.37	12.68	1.04	3.08	14.66	32.18	10.45	120,949
Bora	3.81	2.69	15.23	18.71	9.63	3.65	3.91	14.10	26.70	10.30	3.75	3.27	14.65	22.03	9.95	30,088
Freweini town	0.90	4.02	14.73	15.22	8.14	3.31	1.26	15.24	38.28	11.07	2.17	2.68	15.06	30.49	9.82	19,123
Laelay koraro	1.36	1.16	12.20	27.39	8.79	0.00	0.29	15.66	26.15	10.52	0.78	0.75	14.00	26.78	9.64	122,159
Enticho town	1.14	2.49	11.13	24.13	8.20	0.00	0.92	12.83	38.06	10.60	0.58	1.72	12.12	31.75	9.50	20,349
Asgede	0.00	2.71	9.23	30.96	7.92	0.00	1.77	14.07	40.63	10.31	0.00	2.24	11.53	35.15	9.06	96,646
Kedamay Weyane	3.40	0.79	6.60	40.54	7.19	0.52	1.88	11.70	28.65	10.50	1.84	1.32	9.50	32.81	9.03	39,700
Maichew	3.53	3.55	5.12	35.23	6.35	0.70	1.90	13.51	31.82	10.91	2.28	2.67	9.69	33.08	8.79	45,894
Ahferom	2.64	2.73	9.26	21.09	7.79	3.56	1.15	14.43	17.33	9.52	3.11	1.97	11.87	19.14	8.65	76,731
Neader	2.73	2.42	7.12	21.07	6.63	1.33	1.49	15.03	24.84	10.08	2.06	1.94	11.20	22.99	8.40	66,602
Maekel Adyabo	4.68	1.45	7.65	23.19	6.26	1.42	5.26	9.66	39.21	9.43	2.86	3.14	8.72	31.55	7.87	47,944
Ganta afeshum	0.00	1.92	8.51	15.51	6.18	0.00	0.26	12.62	24.33	9.30	0.00	1.09	10.81	20.32	7.83	97,814
Tahtay maichew	0.54	5.09	7.82	25.01	7.62	0.00	1.75	9.73	28.88	7.87	0.26	3.45	8.83	26.97	7.75	109,486
Tsimbila	1.10	1.99	8.72	27.87	7.80	0.00	0.24	8.67	35.12	7.59	0.66	1.21	8.70	30.81	7.71	90,514
Endabatsehama	2.16	2.79	6.80	37.67	7.01	1.23	1.98	10.24	37.41	8.25	1.75	2.40	8.72	37.55	7.64	106,551
Aidaero	1.90	1.52	10.76	12.39	6.53	0.00	2.68	10.62	32.41	8.71	0.90	2.04	10.68	22.79	7.62	194,646
Zana	1.60	2.08	9.89	20.71	7.30	0.00	0.64	9.44	31.96	7.84	0.87	1.41	9.65	26.06	7.57	84,215
tahtay Koraro	0.97	4.00	4.95	25.09	6.36	0.62	1.73	10.85	25.27	8.71	0.79	2.94	7.96	25.18	7.53	113,357
Bizet	0.00	1.95	7.20	13.40	5.29	0.00	1.42	10.37	25.48	9.43	0.00	1.72	8.94	20.26	7.39	29,459

Socio demographic characteristics	Presence of chronic illness by Sex and Age category										Presence of chronic illness by age					
	Male					Female										
	0-4	5-17	18-59	≥60	Total	0-4	5-17	18-59	≥60	Total	0-4	5-17	18-59	≥60	Total	Number
Hagereselam	0.00	2.00	8.22	22.06	6.22	0.00	0.50	9.46	32.68	7.98	0.00	1.25	8.91	28.12	7.16	11,043
Abiadi	1.85	1.63	7.03	35.85	7.16	0.00	0.90	8.57	23.97	7.00	0.85	1.28	7.86	29.55	7.08	36,809
Mekoni town	0.00	1.01	8.56	18.15	5.83	1.24	1.51	9.48	33.10	8.23	0.57	1.24	9.04	26.13	7.04	162,619
Ayder	0.83	1.65	6.73	32.95	6.44	0.00	0.87	9.20	34.33	7.46	0.43	1.24	8.13	33.62	6.99	100,718
Egela	1.20	1.88	11.97	20.55	7.03	0.64	0.21	13.55	14.11	6.95	0.92	1.00	12.90	17.58	6.98	52,937
Tsaeda Emab	0.00	2.33	7.36	14.26	5.48	0.72	3.05	10.72	20.26	8.22	0.35	2.65	9.15	17.02	6.82	75,576
Adwa town	0.00	2.03	5.80	31.81	5.83	0.00	1.27	7.30	31.75	7.44	0.00	1.62	6.64	31.77	6.71	102,697
Quiha	2.05	0.57	4.49	33.16	5.63	0.00	0.00	8.12	37.40	7.33	1.09	0.26	6.56	35.24	6.55	50,207
Erob	1.05	1.29	6.58	25.01	5.85	1.14	2.00	8.87	21.45	7.16	1.09	1.65	7.85	23.13	6.55	37,065
Embasineyti	2.28	1.04	7.49	15.05	5.47	4.13	1.34	8.67	17.76	7.32	3.09	1.19	8.11	16.74	6.44	63,698
Adigrat	0.00	0.98	5.29	30.91	4.72	0.00	0.89	8.76	28.30	7.85	0.00	0.93	7.21	29.10	6.42	139,693
Raya Chercher	1.63	1.05	8.55	11.28	5.32	1.73	0.54	9.40	26.84	7.26	1.68	0.80	9.01	18.96	6.33	36,164
Kola temben	1.98	1.11	8.36	13.39	5.48	0.00	2.01	9.28	25.44	6.84	1.00	1.56	8.84	18.94	6.17	110,826
Semen	0.83	0.20	6.02	28.92	5.10	0.00	0.85	8.30	26.04	7.10	0.41	0.50	7.26	27.20	6.15	113,747
Axum town	0.00	0.97	5.91	20.15	5.19	0.00	0.38	6.95	30.26	6.78	0.00	0.66	6.49	25.73	6.05	89,767
Hahayle	0.00	1.32	6.09	23.74	5.37	1.42	0.30	8.52	26.89	6.61	0.69	0.82	7.35	25.22	5.99	103,565
Adi Haki	0.95	1.40	6.61	33.60	4.94	0.78	1.25	10.06	19.76	6.89	0.87	1.32	8.55	24.94	5.99	102,990
Wereda Adwa	0.00	1.59	5.17	15.59	4.52	0.00	2.54	10.18	20.87	7.64	0.00	2.03	7.53	17.97	5.97	118,420
Abegele	0.00	2.33	7.50	26.88	5.93	0.00	1.18	8.52	35.19	5.72	0.00	1.77	8.03	29.93	5.82	112,566
Hadnet	0.00	2.91	5.14	36.08	5.81	0.00	0.00	5.21	33.47	5.78	0.00	1.46	5.18	34.47	5.79	175,301
Atsbi town	0.48	1.36	7.36	30.52	5.10	0.00	2.72	9.14	17.02	6.39	0.27	2.05	8.41	22.86	5.79	25,268
Adigudem	0.00	0.76	4.90	30.61	4.52	1.34	0.67	8.38	22.74	6.63	0.57	0.71	6.88	26.11	5.65	23,031

Socio demographic characteristics	Presence of chronic illness by Sex and Age category										Presence of chronic illness by age					
	Male					Female										
	0-4	5-17	18-59	≥60	Total	0-4	5-17	18-59	≥60	Total	0-4	5-17	18-59	≥60	Total	Number
Subha sasei	1.96	0.67	6.84	15.29	4.82	0.00	1.15	10.24	12.53	6.19	1.06	0.92	8.66	13.80	5.53	57,635
Hawzen	0.41	1.75	7.45	14.29	5.04	0.52	1.30	7.70	18.59	5.70	0.46	1.52	7.60	16.41	5.40	45,257
Ahsea	0.58	1.05	3.36	22.49	4.02	0.00	0.00	9.45	19.36	6.83	0.30	0.61	6.36	20.78	5.35	51,065
Atsbi	0.00	1.31	6.29	20.86	5.47	0.00	0.64	6.75	14.01	4.92	0.00	1.00	6.53	17.57	5.21	54,708
Sheraro	0.00	0.72	3.52	20.29	3.16	0.70	1.83	7.33	35.95	7.01	0.30	1.21	5.61	28.10	5.09	37,582
Laelay Maichew	0.47	0.15	4.18	15.04	4.06	0.00	0.46	8.50	17.38	6.22	0.22	0.29	6.23	16.08	5.08	74,237
Seymti Adyabo	1.84	0.61	6.01	15.16	4.61	0.00	0.33	8.61	15.35	5.47	0.90	0.46	7.38	15.25	5.06	51,665
Hawelti	0.00	0.34	6.05	28.59	5.05	0.00	0.77	5.32	30.69	5.04	0.00	0.57	5.62	29.69	5.04	128,686
Chila	1.65	1.48	5.60	15.71	4.90	1.25	0.57	7.09	13.46	5.12	1.45	1.05	6.38	14.68	5.01	56,710
Edaga hamus	0.18	0.72	11.07	34.53	5.10	0.00	0.78	6.51	21.70	4.84	0.11	0.75	8.26	24.52	4.96	34,562
Gulomekeda	0.00	1.72	1.94	10.24	3.20	5.12	1.69	6.49	17.61	6.58	2.11	1.70	4.42	13.54	4.88	49,325
Selewa	0.00	1.43	5.15	9.42	3.55	0.00	2.23	7.69	23.68	5.86	0.00	1.81	6.42	15.81	4.69	46,680
Samre	1.79	1.14	4.02	12.41	3.62	1.20	0.89	8.64	11.14	5.72	1.53	1.02	6.34	11.77	4.64	87,171
Adet	0.00	1.58	6.79	6.28	4.19	0.00	0.69	5.24	22.51	4.94	0.00	1.13	6.01	15.06	4.57	76,646
Rama	0.00	2.71	3.30	9.16	3.16	1.31	2.62	6.02	22.75	5.89	0.65	2.66	4.77	16.17	4.57	61,106
Tanqua milash	1.87	1.58	2.45	18.65	3.55	0.00	1.40	7.19	21.68	5.27	0.93	1.49	4.91	19.92	4.41	56,310
Kilte Awlaelo	0.00	0.70	4.89	4.45	3.06	1.00	1.46	6.90	11.91	5.43	0.51	1.04	5.94	7.78	4.22	79,044
Raya Azebo	0.00	0.35	7.27	17.06	4.37	0.00	0.73	5.60	18.89	3.81	0.00	0.53	6.39	17.78	4.09	108,573
Tsirae wemberta	0.00	0.50	5.03	13.49	3.60	1.46	0.53	5.74	12.38	4.52	0.59	0.51	5.41	12.87	4.06	105,496
Keyih tekli	1.25	0.00	4.58	8.22	2.72	0.00	1.28	7.77	21.84	5.24	0.70	0.65	6.18	14.55	3.96	74,928
Wereda Hawzen	0.00	1.90	3.36	14.10	3.79	0.00	0.00	6.25	9.38	4.01	0.00	1.02	4.96	11.78	3.90	88,600
Gerealta	0.00	0.24	4.97	9.22	2.76	0.00	1.42	7.77	12.89	4.63	0.00	0.81	6.45	10.75	3.69	53,019

Socio demographic characteristics	Presence of chronic illness by Sex and Age category										Presence of chronic illness by age					
	Male					Female										
	0-4	5-17	18-59	≥60	Total	0-4	5-17	18-59	≥60	Total	0-4	5-17	18-59	≥60	Total	Number
Emba Alaje	1.58	1.44	4.24	8.45	3.07	0.00	0.00	4.90	15.56	3.49	0.93	0.80	4.58	12.11	3.28	64,167
Wukro	1.92	0.96	3.10	20.82	3.07	0.00	0.97	4.09	14.39	3.33	1.02	0.97	3.68	16.74	3.22	66,628
Hintalo	1.53	0.38	3.05	10.05	2.48	0.00	0.77	5.66	10.42	3.89	0.80	0.56	4.44	10.23	3.19	125,620
Wajirat	0.00	1.63	3.70	6.24	2.80	0.61	0.84	4.41	6.25	3.03	0.29	1.26	4.08	6.24	2.92	52,287
Degua temben	0.00	0.95	2.56	11.08	2.48	0.55	1.16	4.64	5.84	2.94	0.26	1.06	3.65	8.78	2.71	64,770
Seharti	0.00	0.00	3.65	7.08	2.05	0.35	0.00	4.80	16.71	3.12	0.20	0.00	4.24	11.13	2.59	129,639
Enda mekoni	1.52	0.00	3.26	14.34	2.87	0.00	0.00	2.96	8.03	2.22	0.81	0.00	3.09	11.37	2.54	72,583
Enderta	0.00	0.00	2.91	5.72	1.60	0.00	0.31	2.88	5.45	1.75	0.00	0.15	2.89	5.59	1.67	227,073
Neqsege	0.00	1.82	0.71	7.48	1.37	0.00	0.62	2.85	5.75	1.72	0.00	1.23	1.82	6.88	1.54	37,916
IDP	0.05	1.79	12.76	52.27	7.40	0.00	2.48	16.29	55.28	10.39	0.03	2.13	14.86	53.65	8.95	908,721
Total	0.71	1.55	7.24	22.01	5.57	0.43	1.45	9.85	26.29	7.41	0.58	1.50	8.66	24.17	6.51	6,862,565

Table 0-12: Status about type of chronic disease, TSES, 2024 G.C

Socio-demographic characteristics	Diabetes mellitus	Hypertension	HIV/AIDS	Disease of cancer	Heart disease	Asthmatic disease	Dyspepsia	Hemorrhoid	Mental disease	Other	Weighted Number
Regional	29,151	67,009	22,792	9,291	74,093	76,666	8,879	7,806	28,053	28,809	5,953,844
Age group											
0-4	257	354	126	33	832	1,497	189	196	573	192	723,837
5-17	1,820	1,256	976	581	5,035	4,702	150	271	4,555	1,423	1,861,854
18-59	15,080	32,157	17,456	5,579	44,592	50,476	5,623	5,705	18,522	18,094	2,873,383
≥60	11,993	33,242	4,234	3,098	23,635	19,992	2,917	1,634	4,403	9,100	494,771
Sex											
Male	14,933	24,693	6,941	3,689	26,095	35,327	3,766	6,275	13,343	10,118	2,910,111
Female	14,217	42,316	15,850	5,602	47,997	41,339	5,113	1,530	14,710	18,691	3,043,732
Residence											
urban	20,941	41,672	17,306	4,518	17,536	36,228	2,928	3,247	7,722	10,475	2,281,109
Rural	8,209	25,336	5,486	4,773	56,557	40,438	5,951	4,559	20,331	18,334	3,672,735
Zone											
North Western	6,271	22,122	2,298	3,125	21,995	22,682	2,611	2,185	8,313	10,487	1,167,420
Central	6,891	16,965	4,024	2,253	26,441	16,756	2,956	2,509	10,904	8,725	1,691,482
Eastern	3,593	5,977	4,935	1,501	12,343	14,333	1,530	828	4,397	4,544	1,058,274
South East	1,272	2,471	1,778	290	5,362	5,526	353	681	1,117	663	720,635
Mekelle	8,569	13,818	4,720	1,114	3,216	8,932	895	815	1,926	3,335	711,349
Southern	2,555	5,656	5,036	1,008	4,737	8,437	534	787	1,396	1,055	604,685
Total	29,151	67,009	22,792	9,291	74,093	76,666	8,879	7,806	28,053	28,809	5,953,844
Household head literacy											

Socio-demographic characteristics	Diabetes mellitus	Hypertension	HIV/AIDS	Disease of cancer	Heart disease	Asthmatic disease	Dyspepsia	Hemorrhoid	Mental disease	Other	Weighted Number
No education	6,857	24,529	189	3,268	27,556	24,196	2,719	2,002	5,313	8,974	719,274
Primary education	4,995	10,349	116	1,015	7,187	12,128	1,665	1,752	2,570	4,638	350,680
Secondary education	3,501	4,821	35	289	2,846	5,265	478	570	638	1,566	219,564
Tertiary education	2,796	3,187	9	679	1,102	3,076	403	533	423	320	112,400
Total	18,149	42,886	349	5,251	38,692	44,666	5,264	4,857	8,944	15,497	1,401,918

Table 0-13: Coverage of health insurance scheme at household level, TSES, 2024 G.C

Socio demographic characteristics	Percentage(weighted)			Number(weighted)			Percentage(Unweighted)			Number(Unweighted)		
	Urban	Rural	Region	Urban	Rural	Region	Urban	Rural	Region	Urban	Rural	Region
Regional	6.48	12.13	9.72	598,471	803,447	1,401,918	7.52	12.34	10.44	11,690	17,971	29,661
Age group of household head												
0-4 Years	3.75	3.14	3.28	411	1,287	1,698	9.09	7.69	8.11	11	26	37
5-17 Years	3.87	8.42	5.97	289,950	248,266	538,216	4.85	9.14	6.91	5,674	5,241	10,915
18-59 Years	7.65	13.33	11.1	193,884	300,329	494,213	9.38	13.34	11.93	3,752	6,730	10,482
≥60 Years	11.11	14.38	13.37	114,226	253,565	367,791	11.14	14.03	13.24	2,253	5,974	8,227
Household size												
<5 Member	6.3	12.5	10.65	402,743	546,857	796,059	7.19	12.7	11.26	8,034	12,366	17,073
≥5 Member	6.85	11.35	8.49	195,728	256,590	605,859	8.23	11.54	9.32	3,656	5,605	12,588
Household head sex												
Male	6.61	10.52	8.45	249,202	418,219	820,962	7.5	10.74	9.09	4,707	9,231	17,265
Female	6.39	13.88	11.51	349,269	385,228	580,956	7.53	14.03	12.32	6,983	8,740	12,396

Socio demographic characteristics	Percentage(weighted)			Number(weighted)			Percentage(Unweighted)			Number(Unweighted)		
	Urban	Rural	Region	Urban	Rural	Region	Urban	Rural	Region	Urban	Rural	Region
Zone												
North Western	7.92	11.18	10.01	97,919	174,513	272,433	7.14	9.97	9.05	1,512	3,160	4,672
Central	6.11	10.67	9.27	119,784	270,299	390,083	7.82	10.39	9.67	2,480	6,294	8,774
Eastern	6.85	12.13	9.91	110,327	151,986	262,313	8.29	13.19	11.22	2,654	3,935	6,589
South East	11.91	17.3	16.4	24,649	124,173	148,823	11.64	19.85	17.24	1,005	2,156	3,161
Mekelle	4.52		4.52	178,978		178,978	4.69		4.69	3,073		3,073
Southern	7.64	11.17	9.59	66,813	82,475	149,288	9.94	12.41	11.7	966	2,426	3,392
Household head litracy												
No education	7.59	12.26	11.02	190,542	528,732	719,274	8.87	12.27	11.46	3,787	12,066	15,853
Primary education	8.07	13.34	11.02	154,184	196,496	350,680	8.82	14.07	11.92	2,971	4,279	7,250
Secondary education	4.92	8.07	5.87	153,107	66,457	219,564	6.04	8.3	6.76	2,965	1,398	4,363
Taritiary education	4.31	9.01	4.8	100,638	11,762	112,400	5.19	7.89	5.47	1,967	228	2,195
Total	6.48	12.13	9.72	598,471	803,447	1,401,918	7.52	12.34	10.44	11,690	17,971	29,661
Woreda												
Neader		31.25	31.25		15,633	15,633		30.62	30.62		405	405
Neqsege		28.61	28.61		7,904	7,904		30.28	30.28		360	360
Endabatsehama		25.25	25.25		23,890	23,890		26.5	26.5		400	400
Seharti	29.55	24.59	25.06	2,293	21,745	24,038	29.55	23.27	23.95	2,293	361	405
Egela	16.04	24.98	23.51	1,895	9,655	11,550	21.11	17.8	18.64	1,895	264	354
Rama	12.76	27.76	20.87	6,915	8,141	15,056	8.73	21.33	16.81	6,915	225	351
Bizet	21.67	20.54	20.86	2,092	5,340	7,432	21.59	25.09	24.23	2,092	271	359
Tsimbila		20.82	20.82		18,618	18,618		18.86	18.86		403	403
Enda mekoni	2.22	22.9	20.5	2,058	15,732	17,790	2.22	23.61	21.24	2,058	360	405
Wereda Hawzen		18.82	18.82		20,319	20,319		19.95	19.95		426	426
Aidaero	4.33	28.74	18.6	17,536	24,696	42,232	3.97	23.35	16.97	17,536	257	383

Socio demographic characteristics	Percentage(weighted)			Number(weighted)			Percentage(Unweighted)			Number(Unweighted)		
	Urban	Rural	Region	Urban	Rural	Region	Urban	Rural	Region	Urban	Rural	Region
Samre	9.99	23.38	18.25	6,689	10,758	17,447	10	21.22	18.7	6,689	311	401
Chila		20.71	17.85	1,941	12,100	14,041		23.68	21.04	1,941	359	404
Adigudem	17.24		17.24	5,822		5,822	14.47		14.47	5,822		380
Laelay koraro	19.27	15.8	17.07	10,132	17,660	27,792	16.85	13.97	14.6	10,132	315	404
Degua temben		16.96	16.96		13,457	13,457		27.54	27.54		403	403
Hintalo	4.44	18.7	16.66	3,814	22,815	26,629	4.44	18.5	17.08	3,814	400	445
Freweini town	16.52		16.52	5,483		5,483	19.24		19.24	5,483		343
Kilte Awlaelo		14.86	14.86		18,573	18,573		17.99	18		389	389
Tsaeda Emab		13.76	13.76		17,276	17,276		16.88	16.88		397	397
Enderta		12.91	12.91		46,855	46,855		11.59	11.59		414	414
Gerealta		12.9	12.9		10,211	10,211		11.27	11.27		355	355
Subha sasei		12.05	12.05		12,250	12,250		14.11	14.11		397	397
Bora		11.51	11.51		6,629	6,629		10.16	10.16		315	315
Hagereselam	11.31		11.31	3,090		3,090	10.06		10.06	3,090		358
Ganta afeshum		11.07	11.07		25,003	25,003		10.67	10.67		403	403
Emba Alaje	14.39	9.63	11.01	4,246	10,455	14,701	12.59	10	10.86	4,246	270	405
Abiadi	10.28		10.28	10,638		10,638	12.59		12.59	10,638		405
Wukro	10.04		10.04	18,184		18,184	8.84		8.84	18,184		396
Atsbi		9.47	9.47		12,322	12,322		12.13	12.13		404	404
Wajirat	2.27	11.93	9.46	2,941	8,544	11,484	2.27	16.85	13.24	2,941	267	355
Enticho town	9.26		9.26	5,638		5,638	8.66		8.66	5,638		358
tahtay Koraro	17.78	7.44	9.05	3,939	21,424	25,363	17.78	12.72	13.3	3,939	346	391
Hawelti	8.87		8.87	31,960		31,960	8.03		8.03	31,960		436
Ahferom	6.67	9.02	8.81	1,488	14,787	16,275	6.67	9.63	9.33	1,488	405	450
Maichew	8.71	100	8.77	12,588	8	12,596	11.63	100	11.85	12,588	1	405

Socio demographic characteristics	Percentage(weighted)			Number(weighted)			Percentage(Unweighted)			Number(Unweighted)		
	Urban	Rural	Region	Urban	Rural	Region	Urban	Rural	Region	Urban	Rural	Region
Keyih tekli		8.87	7.7	2,172	14,349	16,522		7.52	7.26	2,172	359	372
Sheraro	7.59	0.69	7.59	10,054	13,680	10,054	6.45	0.84	6.45	10,054	357	403
Edaga hamus	7.24		7.24	8,153		8,153	9.83		9.83	8,153		356
Zana	15.56	3.77	6.79	5,139	14,931	20,069	15.56	4.17	5.43	5,139	360	405
Wereda Adwa		6.75	6.75		24,613	24,613		5.35	5.35		449	449
Raya Chercher	23.26	3.2	6.75	1,757	8,168	9,924	23.26	2.79	4.98	1,757	359	402
Hawzen	6.67		6.67	13,002		13,002	5.32		5.32	13,002		357
Axum town	6.63		6.63	23,853		23,853	8.26		8.26	23,853		436
Mekoni town	6.38		6.38	46,164		46,164	6.19		6.2	46,164		339
Adigrat	6.27		6.27	37,971		37,971	6.01		6.01	37,971		449
Shire Endaselassie	6.18		6.18	38,776		38,776	7.66		7.66	38,776		444
Kedamay Weyane	5.94		5.94	10,382		10,382	4.95		4.95	10,382		404
Tahtay maichew	7.07	4.71	5.89	13,606	13,739	27,344	7.2	4.09	5.08	13,606	269	394
Tsirae wemberta	2.46	8.89	5.82	12,945	14,144	27,089	2.26	10	6.94	12,945	270	447
Asgede		5.81	5.81		22,800	22,800		7.22	7.22		360	360
Abegele		9.86	5.77	9,586	13,536	23,122		7.94	6.17	9,586	315	405
Mai kinetal	2.3	6.57	5.77	2,524	10,943	13,467	2.6	9.38	7.95	2,524	288	365
Tahtay Adyabo		5.72	5.72		28,982	28,982		7.16	7.16		405	405
Ahsea		5.47	5.47		11,295	11,295		6.42	6.43		358	358
Semen	5.44		5.44	28,145		28,145	5.8		5.8	28,145		448
Tanqua milash		5.15	5.15		10,985	10,985		5	5		360	360
Quiha	5.05		5.05	14,062		14,062	5.56		5.56	14,062		450
Laelay Maichew		4.75	4.75		16,251	16,251		4.26	4.26		399	399
Raya Azebo		4.71	4.71		24,213	24,213		7.23	7.23		401	401
Ayder	4.54		4.54	26,205		26,205	3.33		3.33	26,205		450

Socio demographic characteristics	Percentage(weighted)			Number(weighted)			Percentage(Unweighted)			Number(Unweighted)		
	Urban	Rural	Region	Urban	Rural	Region	Urban	Rural	Region	Urban	Rural	Region
Seymti Adyabo		4.36	4.36		11,723	11,723		5.04	5.04		357	357
Kola temben		4.01	4.01		23,751	23,751		3.46	3.46		405	405
Adwa town	3.95		3.95	27,483		27,483	3.13		3.13	27,483		447
Hahayle	10.91	2.18	3.8	3,885	17,110	20,995	12.36	1.91	4.22	3,885	314	403
Adi Haki	3.62		3.62	24,868		24,868	4.06		4.06	24,868		443
Endabguna	3.09		3.09	12,344		12,344	3.61		3.61	12,344		360
Atsbi town	2.96		2.95	6,610	17	6,627	3.92		3.91	6,610	1	358
Gulomekeda		2.75	2.34	2,026	11,557	13,583		2.53	2.27	2,026	356	397
Adet	4.44	2	2.29	2,395	17,935	20,330	4.44	1.98	2.22	2,395	405	450
Embasineyti	3.5	1.09	1.89	5,766	11,586	17,352	5.62	1.59	2.48	5,766	315	404
Selewa		1.79	1.79		9,366	9,366		2.22	2.22		360	360
Erob	0.7	1.35	1.07	3,859	4,975	8,834	1.11	1.88	1.69	3,859	266	356
Hadnet	0.73		0.73	43,356		43,356	1.13		1.13	43,356		442
Maekel Adyabo			0.69			13,680			0.84			357
IDP	13.15	4.55	12.88	185,397	6,172	191,569	24.65	4.55	23.01	185,397	44	539
Total	8.06	12.07	10.1	783,868	809,619	1,593,487	8.22	12.32	10.66	783,868	18,015	30,200

5.3 Disability

5.3.1 Prevalence of Disability

The survey has assessed disability prevalence across 75 woredas under the Interim Administration of Tigray. The questionnaire covered six functional domains including hearing, seeing, mobility (walking or climbing), cognition (remembering or concentrating), self-care, and communication. The overall prevalence of disability was estimated at 9.3%, with a slightly higher rate among men (9.7%) compared to women (8.92%). Disability prevalence increased markedly with age, reaching 26.8% among individuals aged 60 and above, which is higher among women (28.5%) than men (25.18%). Among adults aged 18–59, 10.23% of men and 8.36% of women reported at least one form of disability. The lowest prevalence was observed in children aged 5–17 years (4.3%).

Disability prevalence was inversely related to educational attainment of household heads where 20.02% among those with no formal education, compared to 13.05%, 9.78%, and 9.81% among those with primary, secondary, and tertiary education, respectively. Urban and rural prevalence rates were 8.33% and 9.89%, respectively. Geographically, disability prevalence ranged from 11.7% in the Central Zone to 6.07% in the Southern Zone, with similar levels across sexes. At the woreda level, the highest prevalence was observed in Chila (33.6%) and Ahferom (21.3%), while the lowest was recorded in Hawelti Sub-city, Mekelle (4.15%), and Tsirae Wonberta (3.99%). Among internally displaced persons (IDPs), the disability prevalence was 6.24%, with slightly higher rates in men (7.18%) than women (6.24%). Disability prevalence among IDPs aged 60 and above was significantly higher (27.8%), followed by adults aged 18–59 (7.59%) (Table 4.14).

5.3.2 Disability by Type

Table 4.15 presents the distribution of disability types among individuals reporting at least one form of disability. The most commonly reported difficulties were seeing (7.64%), walking (7.31%), and hearing (4.71%). The least prevalent was difficulty with communication (1.83%).

Across all disability types, prevalence was highest among older adults (60+ years) and lowest among children aged 5–17.

Age has strong influence on the prevalence of risk of visual impairment. Seeing difficulty increased from 1.45% in children (5–17 years) to 40.07% in those aged 60 and above. For comparison, the 2018/19 Ethiopia Socioeconomic Survey reported seeing difficulties at 0.3% (men) and 0.2% (women) among children, and 18.7% (men) and 38% (women) among adults aged 51 and older. These results indicate a higher burden of visual impairment in the current survey. Sex disparities were also observed with 7.30% of men and 7.96% of women reported seeing difficulties. Prevalence was highest among household heads with no education (24.74%) and lowest among those with tertiary education (5.96%).

When zonal distribution is considered, seeing difficulty was most prevalent in the Northwestern (9.17%) and Central (8.93%) zones, and lowest in Mekelle (4.80%) and the Southern Zone (4.99%). Rural areas had higher prevalence (8.45%) compared to urban areas (6.34%). Difficulty with walking was highest among those aged 60 and above (34.27%), as was self-care difficulty (24.06%), while both were lowest among children aged 5–17 (1.28% and 1.12%, respectively). According to the 2018/19 survey, walking difficulty among 5–17-year-olds was 0.9% in males and negligible in females, while among those aged 51+, it reached 21% in men and 33% in women.

5.3.3 Severity of Disability

Respondents with at least one form of disability were asked to rate its severity. Across all domains, over 60% of respondents have reported mild difficulty. The highest proportions of severe disability (inability to perform the activity) were in self-care (8.22%) and communication (8.44%) (Tables 4.16b and 4.16c). The lowest severity was reported for walking difficulty (3.83%). Regarding visual impairment, 4.31% of respondents reported total blindness, and 26.40% had severe difficulty of sight. Severe visual impairment was most common among those aged 60 and above (5.07%) and showed little variation by sex. The proportion of severe visual disability was 5.27% among household heads with no education and 1.31% among those with tertiary education.

Geographically, severe visual impairment affected 5.16% of rural and 2.8% of urban residents. Complete blindness ranged from 1.82% in Mekelle to 5.65% in the Southeast Zone, with the highest woreda-level rates recorded in Maekel Adyabo (29.40%) and Maichew (11.3%) (Table 4.16a). Among IDPs, more than 76% of disabled persons reported mild difficulty. The highest rate of severe disability in this group was observed for communication difficulties (6.3%). No severe difficulty was reported for memory or walking difficulties among IDPs.

5.3.4 Disability Impact on Work and Daily Activities

The impact of disability on productivity was considerable. 63.07% of respondents reported intermittent (sometimes) work reduction at home or school, while 33.77% experienced permanent (all-time) work reduction. All-time work reduction was highest among older adults aged 60 and above (49.26%) and lowest among children aged 5–17 (18.19%). Men reported slightly higher all-time work reduction (34.99%) than women (34.56%). Disability-related all-time work reduction varied by educational status of household heads where highest among those with no education (40.93%) and lowest among those with tertiary education (20.42%). In contrast, sometimes work reduction was more common among the better-educated, because our report shows that about 75.01% among tertiary-educated and 71.94% among those with primary education, compared to 59.97% among those with no education.

Geographically, 32.26% of urban and 34.56% of rural residents reported all-time work reduction. The highest woreda-level rates were found in Embaseneity (64.55%) and Raya Chercher (60.05%), while the lowest were in Chila (5.59%) and Neqsege (8.61%). Regionally, all-time work reduction ranged from 36.44% in the Northwestern Zone to 29.01% in Mekelle. Sometimes work reduction was most common in the Southeast (67.12%) and least common in the Northwest (59.97%). At the woreda level, Neqsege had the highest proportion of sometimes work reduction (89.92%), while Embaseneity had the lowest (33.58%). Among IDPs, 33.44% experienced all-time and 69.82% experienced sometimes work reduction due to disability (Table 4.17).

Table 0-14: The presence of any difficulty or disability, TSES, 2024 G.C

Socio demographic characteristics	Presence of disability by Sex and Age category								Presence of disability by age				Weighted Number
	Male				Female								
	5-17	18-59	≥60	Total	5-17	18-59	≥60	Total	5-17	18-59	≥60	Total	
Regional	4.58	10.23	25.18	9.70	4.01	8.36	28.5	8.92	4.32	9.23	26.80	9.31	5,060,076
Residence													
Urban	4.44	9.23	20.89	8.57	3.39	7.35	28	8.13	3.92	8.17	25.10	8.33	1,923,984
Rural	4.64	10.88	26.73	10.32	4.32	9.16	28.7	9.45	4.49	10.01	27.70	9.89	3,136,092
Zone													
North Western	4.40	11.35	24.99	10.16	3.54	9.11	28.8	9.18	3.99	10.22	26.91	9.66	1,011,558
Central	5.97	12.41	30.11	11.99	4.59	11.2	34.3	11.4	5.3	11.83	32.23	11.7	1,440,287
Eastern	3.61	9.31	21.20	8.66	3.76	6.8	24.3	7.94	3.68	7.92	22.80	8.28	892,100
South East	5.23	11.09	31.54	10.80	4.76	9.49	31.6	9.73	5.00	10.20	31.61	10.3	601,866
Mekelle	3.06	6.93	19.51	6.70	3.34	5.19	20.3	5.94	3.21	5.96	20.00	6.29	603,892
Southern	3.22	6.67	13.76	5.99	3.31	5.33	24.1	6.14	3.26	5.96	18.82	6.07	510,373
Household head literacy													
No education	0.00	12.39	25.92	17.68	66.79	16.96	30.93	23.58	66.79	14.05	28.14	20.02	717,934
Primary education	34.56	12.09	23.03	13.89	0.00	9.18	26.76	10.71	13.16	11.28	23.67	13.05	350,108
Secondary education	0.00	10.19	22.97	10.77	29.37	7.62	12.07	7.74	26.13	9.33	21.01	9.78	219,192
Tertiary education	0.00	9.66	22.13	10.38	0.00	7.26	24.22	8.09	0.00	9.06	22.58	9.81	111,920
Total	30.96	11.55	25.21	14.85	13.63	12.23	30.44	17.79	19.46	11.77	27.28	15.85	1,399,154

Socio demographic characteristics	Presence of disability by Sex and Age category								Presence of disability by age				Weighted Number
	Male				Female								
	5-17	18-59	≥60	Total	5-17	18-59	≥60	Total	5-17	18-59	≥60	Total	
Wereda													
Chila	26.77	37.14	43.54	34.21	26.7	35.2	39.6	32.9	26.7	36.1	41.7	33.6	49,658
Ahferom	9.17	23.41	39.38	20.43	10.2	22.4	49.7	22.3	9.64	22.9	44.7	21.3	67,370
Bizet	12.71	20.82	44.05	21.15	7.22	17.8	47.1	20	10.3	19.2	45.8	20.5	25,619
Embasineyti	1.87	18.50	38.68	15.01	4.04	16.5	61.8	19.8	2.94	17.5	53.1	17.6	54,510
Tahtay Adyabo	9.15	20.57	58.61	19.50	5	18.8	45.6	15.3	7.03	19.7	52.8	17.4	106,860
Adet	12.32	17.57	32.00	17.35	5.31	14.2	50.1	15.8	8.82	15.9	41.8	16.6	64,048
Mai kinetal	4.74	16.50	49.47	15.05	4.7	14	36.4	12.7	4.72	15.3	42.9	13.9	58,326
Edaga hamus	1.43	22.00	52.38	13.32	5.88	11.3	63.3	12.8	3.53	15.4	60.9	13	27,369
Maekel Adyabo	5.18	16.18	29.86	13.22	3.42	13.4	26.9	11.7	4.41	14.7	28.3	12.4	41,742
Laelay koraro	3.46	14.82	37.71	13.57	2.53	8.53	41.3	10.8	3.03	11.6	39.5	12.2	104,782
Axum town	6.15	14.26	24.15	12.90	4.99	10.5	31.7	11.2	5.52	12.2	28.3	12	79,084
Bora	5.84	14.53	28.23	12.59	5.64	11.4	35.3	10.9	5.75	12.9	31	11.8	24,803
Adwa town	5.73	9.00	18.38	8.86	2.69	14	40.5	13.9	4.09	11.8	32.2	11.7	89,173
Hintalo	10.01	11.84	34.35	13.27	3.51	9.33	37.9	10	6.91	10.5	36.1	11.6	107,831
Enticho town	2.28	17.96	31.85	14.03	1.43	10.1	25	9.25	1.86	13.4	28.1	11.4	17,378
Ahsea	1.40	15.41	43.41	13.07	1.41	7.49	34.3	9.48	1.4	11.5	38.5	11.4	43,655
Tahtay maichew	5.54	11.13	37.41	11.95	2.56	10.2	39.1	10.8	4.08	10.7	38.3	11.3	93,560
Hahayle	7.27	12.97	23.73	12.05	6.1	10.7	24.6	10.5	6.72	11.8	24.1	11.3	87,513
Laelay Maichew	4.06	8.08	36.96	11.15	2.02	9.62	39.6	11.4	3.12	8.81	38.1	11.3	64,348
Degua temben	1.93	9.25	39.83	10.12	4.1	9.47	52.4	11.8	2.98	9.37	45.4	10.9	53,272

Socio demographic characteristics	Presence of disability by Sex and Age category								Presence of disability by age				Weighted Number
	Male				Female								
	5-17	18-59	≥60	Total	5-17	18-59	≥60	Total	5-17	18-59	≥60	Total	
Endabguna	5.96	9.43	34.89	10.44	1.12	9.34	52.7	11.3	3.52	9.38	45.3	10.9	37,215
Ayder	3.30	14.39	31.08	12.39	4.81	8.96	33.2	9.58	4.07	11.3	32.1	10.9	84,926
Seharti	5.46	12.08	27.89	10.84	4.86	11.7	34.3	10.7	5.17	11.9	30.6	10.8	106,847
Rama	10.19	7.94	36.14	11.59	6.46	8.14	31.3	9.95	8.37	8.04	33.6	10.7	51,745
tahtay Koraro	3.30	10.01	25.47	9.76	3.99	9.23	38	11.4	3.63	9.61	31.8	10.6	97,089
Samre	9.16	12.22	14.93	11.45	5.71	10.4	14.5	9.35	7.52	11.3	14.7	10.4	74,440
Freweini town	8.37	17.17	30.24	14.21	2.51	6.96	28.1	7.31	5.51	10.7	28.8	10.1	14,925
Wereda Adwa	5.23	8.70	25.69	9.48	2.98	10.4	30.1	10.1	4.2	9.53	27.7	9.76	102,848
Neqsege	7.80	9.84	21.05	9.77	10.1	9.52	8.45	9.71	8.91	9.67	16.7	9.74	30,685
Ganta afeshum	4.38	12.08	25.88	11.34	0.88	6.76	29.8	8.33	2.64	9.1	28	9.72	84,213
Enderta	2.63	11.25	40.61	10.20	5.68	9.22	28.4	9.27	4.15	10.2	34.8	9.72	185,171
Wereda Hawzen	4.80	7.36	28.03	9.41	6.52	6.81	30	9.97	5.59	7.05	29	9.7	76,774
Endabatsehama	4.06	7.32	30.36	8.14	6.33	11.1	32.7	11	5.16	9.45	31.4	9.62	90,145
Tanqua milash	5.17	10.42	29.73	10.36	4.22	8.75	28.6	8.58	4.71	9.56	29.3	9.48	48,440
Gerealta	2.80	9.23	32.58	8.99	5.69	9.83	26	9.38	4.21	9.54	29.8	9.19	43,438
Wajirat	2.87	8.14	29.45	8.47	3.33	7.96	39.5	9.51	3.08	8.04	34.1	8.99	46,234
Adigrat	6.98	10.59	21.24	10.23	4.65	6.06	22.1	7.59	5.76	8.09	21.8	8.76	117,681
Aidaero	6.51	11.71	5.75	9.15	7.01	8.76	9.82	8.29	6.73	10.2	7.86	8.72	168,729
Hagereselam	4.38	7.83	29.70	8.72	5.21	8.83	12.5	8.2	4.79	8.39	19.9	8.44	9,265
Shire Endaselassie	3.88	8.46	24.69	7.87	2.13	8.28	33.7	8.67	2.98	8.35	30.4	8.32	141,068
Atsbi	3.50	8.73	20.63	8.42	2.03	7	24.7	7.66	2.81	7.84	22.6	8.04	46,543

Socio demographic characteristics	Presence of disability by Sex and Age category								Presence of disability by age				Weighted Number
	Male				Female								
	5-17	18-59	≥60	Total	5-17	18-59	≥60	Total	5-17	18-59	≥60	Total	
Hawzen	2.07	10.04	15.48	7.96	3.55	8.5	17.7	7.85	2.82	9.12	16.6	7.9	36,492
Kedamay Weyane	0.92	9.13	23.16	8.16	2.28	7.1	17.7	7.41	1.58	7.97	19.6	7.74	34,866
Abiadi	4.49	10.17	17.10	9.09	2.34	6.26	18.1	6.4	3.46	8.06	17.7	7.69	31,735
Asgede	3.41	10.18	19.15	8.63	2.59	5.89	32.2	6.61	3.01	8.14	24.8	7.67	85,662
Gulomekeda	0.79	9.56	15.32	7.76	1.3	6.36	22.1	7.31	1.04	7.82	18.4	7.53	43,897
Tsaeda Emab	1.96	8.72	18.66	7.45	4.35	6.58	19.7	7.5	3.03	7.58	19.1	7.48	64,617
Kola temben	4.52	10.25	19.91	9.06	3.84	6.68	9.3	5.88	4.19	8.41	15	7.47	93,445
Keyih tekli	1.86	8.71	33.31	8.34	0.54	7.36	31.2	6.53	1.19	8.03	32.3	7.43	60,188
Egela	3.98	11.90	22.84	9.46	1.7	7.19	18.9	5.76	2.76	9.11	21	7.4	44,162
Kilte Awlaelo	2.52	8.83	15.00	7.71	3.33	6.84	16	7.02	2.89	7.79	15.5	7.37	69,585
Tsimbila	2.65	8.53	23.81	8.31	2.69	7.13	13	6.21	2.67	7.87	19.4	7.36	80,255
Erob	2.99	7.36	22.25	7.43	2.92	7.28	20.3	7.28	2.96	7.32	21.2	7.35	31,764
Quiha	3.76	6.53	23.45	7.56	4.64	6.43	17	6.85	4.23	6.47	20.3	7.17	42,245
Subha sasei	2.36	6.34	25.35	7.11	3.59	4.83	26.1	7.01	3	5.53	25.8	7.06	48,442
Wukro	4.17	8.59	6.58	7.09	5.5	5.46	20.9	6.68	4.88	6.77	15.7	6.86	52,228
Sheraro	1.66	7.64	21.53	6.62	3.36	7.46	8.39	6.49	2.41	7.54	15	6.55	31,917
Hadnet	2.92	6.07	12.11	5.57	5.26	6.09	20.6	7.26	4.09	6.08	17.4	6.48	153,153
Adigudem	5.70	8.43	13.30	8.01	2.55	3.8	19.9	4.87	4.05	5.79	17.1	6.26	18,807
Emba Alaje	3.09	8.17	12.87	6.41	3.4	4.97	25.9	6	3.23	6.51	19.6	6.21	54,292
Mekoni town	4.93	6.40	6.81	5.97	2.7	3.99	30.4	5.83	3.89	5.12	19.4	5.9	138,463
Maichew	1.46	2.65	12.58	3.08		7.32	32.7	8.05	0.66	5.2	25.3	5.82	38,893

Socio demographic characteristics	Presence of disability by Sex and Age category								Presence of disability by age				Weighted Number
	Male				Female								
	5-17	18-59	≥60	Total	5-17	18-59	≥60	Total	5-17	18-59	≥60	Total	
Neader	3.36	4.96	15.52	5.78	1.01	5.29	20.3	5.76	2.18	5.13	18	5.77	57,441
Enda mekoni	1.54	8.67	8.93	5.85	3.25	5.06	15.3	5.51	2.26	6.64	11.9	5.68	61,608
Atsbi town	2.88	7.22	25.06	6.87	3.27	3.57	20.5	4.69	3.08	5.07	22.5	5.63	19,612
Adi Haki	4.30	6.00	14.93	5.78	1.71	4.24	32.5	5.09	2.98	5.01	25.9	5.4	84,214
Abegele	3.64	7.61	19.35	7.04	2.56	3.11	17.6	3.63	3.12	5.28	18.7	5.35	91,515
Selewa	2.25	4.59	13.24	4.61	3.84	6.04	13.8	5.93	3	5.31	13.5	5.25	38,568
Zana	0.24	5.74	12.58	4.64	1.1	6.15	14.2	5.44	0.64	5.96	13.4	5.04	71,342
Seymti Adyabo	1.18	7.79	7.38	5.53	1.69	3.04	26.2	4.34	1.46	5.29	16.3	4.9	44,898
Raya Chercher	0.60	5.82	12.51	4.60	2.21	5.16	10.8	4.75	1.39	5.46	11.7	4.68	30,935
Raya Azebo	1.90	4.65	23.85	4.93	2.27	3.83	27.3	4.36	2.08	4.22	25.2	4.65	92,126
Semen	4.30	4.83	11.75	5.14	2.36	3.54	8.28	3.71	3.38	4.13	9.67	4.38	95,765
Hawelti	1.30	4.67	22.68	5.10	1.66	2.28	17.7	3.16	1.49	3.26	20.1	3.99	108,722
Tsirae wemberta	1.05	2.69	9.36	2.84	1.94	3.84	13.5	4.5	1.48	3.3	11.7	3.7	88,901
IDP	2.44	10.29	29.80	7.18	3.21	5.75	25.4	5.43	2.81	7.59	27.8	6.24	763,179
Total	4.20	10.24	25.52	9.38	3.87	8.04	28.3	8.45	4.04	9.05	26.9	8.9	5,823,256

Table 0-15: The status of disability by type, TSES, 2024 G.C

Socio demographic characteristics	Difficulty of Seeing		Difficulty of Hearing		Difficulty of Walking		Difficulty of Remembering		Difficulty of With Self Care		Difficulty of Communicating		Number	
	Weighted	Unweighted	Weighted	Unweighted	Weighted	Unweighted	Weighted	Unweighted	Weighted	Unweighted	Weighted	Unweighted	Weighted	Unweighted
Regional	7.64	7.79	4.71	4.86	7.31	7.62	4.42	4.57	4.79	5.11	1.83	1.90	5,060,076	107,509
Age group														
5-17	1.45	1.397	1.27	1.24	1.28	1.28	1.11	1.02	1.12	1.13	1.11	1.09	1,699,610	36,643
18-59	5.72	5.79	3.18	3.23	6.23	6.50	3.51	3.64	3.65	3.92	1.53	1.59	2,865,967	59,898
≥60	40.07	40.07	25.39	25.81	34.27	34.97	21.02	21.52	24.06	24.88	6.02	6.28	494,500	10,968
Sex														
Male	7.30	7.459	4.54	4.67	7.44	7.72	4.01	4.16	4.60	4.90	1.89	1.94	2,451,825	52,217
Female	7.96	8.102	4.87	5.03	7.19	7.54	4.80	4.97	4.98	5.30	1.78	1.86	2,608,251	55,292
Residence														
urban	6.34	6.572	3.17	3.48	6.00	6.64	3.49	3.99	3.77	4.42	1.20	1.30	1,923,984	36,731
Rural	8.45	8.422	5.65	5.57	8.11	8.14	4.98	4.88	5.42	5.46	2.22	2.21	3,136,092	70,778
Zone														
North Western	9.17	8.867	6.26	5.92	8.94	8.24	5.97	5.36	5.88	5.55	3.08	2.99	1,011,558	17,300
Central	8.93	8.977	5.81	5.85	8.64	9.00	5.59	5.77	5.88	6.20	2.01	2.10	1,440,287	32,504
Eastern	8.30	8.379	4.64	4.90	7.48	8.28	4.10	4.53	5.20	5.90	1.86	1.83	892,100	22,938
South East	6.09	6.823	3.82	4.23	6.06	6.38	3.02	3.66	3.79	4.00	1.35	1.80	601,866	12,413
Mekelle	4.99	5.126	2.18	2.42	4.54	5.06	2.36	2.54	2.42	2.73	0.57	0.56	603,892	10,164
Southern	4.80	5.193	2.69	3.28	4.78	5.26	2.65	3.00	2.85	3.17	0.85	1.17	510,373	12,190
Household head litracy														

Socio demographic characteristics	Difficulty of Seeing		Difficulty of Hearing		Difficulty of Walking		Difficulty of Remembering		Difficulty of With Self Care		Difficulty of Communicating		Number	
	Weighted	Unweighted	Weighted	Unweighted	Weighted	Unweighted	Weighted	Unweighted	Weighted	Unweighted	Weighted	Unweighted	Weighted	Unweighted
No education	24.74	24.98	15.47	15.78	21.69	22.28	13.14	13.60	14.38	15.08	4.06	4.25	717,934	15,827
Primary education	12.36	12.68	4.99	5.15	11.63	12.27	5.69	6.05	5.47	6.05	1.10	1.27	350,108	7,240
Secondary education	6.11	5.942	2.38	2.50	6.28	6.95	2.91	3.14	3.26	3.76	0.70	0.78	219,192	4,359
Taritiary education	5.96	6.216	1.78	1.69	5.06	5.67	2.24	2.79	2.39	2.83	0.57	0.50	111,920	2,188
Total	17.22	17.79	9.70	10.19	15.42	16.35	8.80	9.42	9.45	10.30	2.51	2.73	1,399,154	29,614
Woreda														
Mai kinetal	16.01	16.15	10.40	11.09	14.46	15.82	9.77	11.28	11.33	12.65	3.17	3.96	58,326	1,542
Ahferom	15.73	15.52	10.67	10.24	19.75	18.74	12.07	11.06	11.87	11.11	2.45	2.29	67,370	1,836
Tsaeda Emab	14.05	14.52	8.00	8.32	11.21	12.34	8.03	8.12	8.41	9.57	3.63	3.70	64,617	1,515
Embasineyti	14.00	12.51	7.29	6.57	16.64	17.17	8.71	8.06	11.30	11.10	1.67	1.41	54,510	1,415
Bizet	13.73	13.34	8.24	8.23	13.66	13.74	6.19	6.47	10.17	10.94	2.60	2.40	25,619	1,252
Aidaero	12.41	11.2	10.02	8.84	12.23	10.94	9.95	8.64	9.54	8.58	6.64	5.63	168,729	1,527
Laelay koraro	11.91	11.78	5.46	5.42	9.28	9.03	2.94	2.55	5.15	6.04	1.21	1.25	104,782	1,605
Ganta afeshum	11.56	11.54	7.01	6.89	9.82	9.15	5.73	5.67	6.67	6.48	2.37	2.32	84,213	1,465
Neader	11.15	10.61	9.15	8.58	12.23	11.22	7.93	7.09	8.65	8.31	1.33	1.22	57,441	1,480
Adet	11.13	9.801	9.39	8.36	11.50	9.87	7.11	6.37	6.62	5.83	4.72	3.98	64,048	1,459
Zana	10.40	10.96	6.37	6.92	7.27	7.67	4.75	5.68	4.22	4.73	2.04	2.60	71,342	1,460
Subha sasei	10.22	9.521	6.52	6.12	8.61	8.70	5.95	5.61	6.92	6.62	2.48	2.27	48,442	1,586
Hahayle	10.22	9.849	6.13	6.04	9.89	9.61	5.54	5.56	7.99	7.92	2.38	2.42	87,513	1,655
Gulomekeda	10.17	9.612	3.65	3.80	8.13	8.14	4.43	4.26	6.26	6.43	1.56	1.71	43,897	1,290
Wereda Adwa	10.08	9.179	6.43	5.80	8.19	7.51	5.29	4.56	5.01	4.62	1.02	0.91	102,848	1,863

Socio demographic characteristics	Difficulty of Seeing		Difficulty of Hearing		Difficulty of Walking		Difficulty of Remembering		Difficulty of With Self Care		Difficulty of Communicating		Number	
	Weighted	Unweighted	Weighted	Unweighted	Weighted	Unweighted	Weighted	Unweighted	Weighted	Unweighted	Weighted	Unweighted	Weighted	Unweighted
Maekel Adyabo	10.06	13.06	5.88	8.02	8.44	10.99	4.56	5.62	5.19	6.86	6.80	9.34	41,742	1,210
Enticho town	9.71	9.854	3.88	4.11	8.38	8.39	6.66	6.84	4.98	5.20	1.50	1.55	17,378	1,096
Laelay Maichew	9.71	10.06	8.63	8.91	8.08	7.95	7.50	7.50	6.86	6.35	2.15	2.12	64,348	1,560
Erob	9.60	11.05	6.42	7.89	10.75	12.41	8.14	9.40	7.13	8.05	1.81	2.56	31,764	1,330
Asgede	9.35	9.346	6.97	7.03	12.08	11.38	9.31	8.64	5.88	5.62	3.18	3.23	85,662	1,423
Tahtay Adyabo	9.21	8.204	6.82	5.99	10.37	9.48	6.97	5.78	6.21	5.38	3.06	2.42	106,860	1,487
Tahtay maichew	8.92	8.479	5.36	4.98	8.30	7.92	6.42	6.10	8.03	7.50	1.63	1.82	93,560	1,427
Adwa town	8.92	8.251	4.38	4.80	6.33	7.19	5.48	6.77	4.47	4.94	2.30	2.05	89,173	1,418
Degua temben	8.76	8.876	3.99	4.02	6.10	6.19	3.85	3.83	3.88	4.09	1.16	0.96	53,272	1,566
Axum town	8.75	8.843	4.26	4.46	7.10	8.55	4.73	6.11	5.57	6.83	2.68	3.02	79,084	1,391
Endabguna	8.63	9.135	4.67	5.64	6.67	7.58	4.63	4.96	3.66	3.98	1.18	1.17	37,215	1,029
Tsimbila	8.57	7.688	6.62	5.81	8.50	7.12	5.03	4.33	4.61	4.21	1.57	1.59	80,255	1,756
Rama	8.51	7.99	5.45	5.30	8.35	8.16	6.41	5.80	5.60	5.89	3.03	3.11	51,745	1,189
Ahsea	8.31	8.058	4.84	4.82	6.20	6.40	4.83	4.39	4.32	4.60	1.16	1.29	43,655	1,390
Endabatsehama	8.11	10.46	5.20	6.80	9.18	11.63	5.69	7.19	4.81	6.93	3.16	4.12	90,145	1,530
Adigrat	8.01	8.214	3.35	3.57	5.44	5.57	2.13	2.21	2.86	3.00	2.76	2.57	117,681	1,400
Wereda Hawzen	7.63	7.28	4.38	4.78	6.23	5.65	3.58	2.85	4.26	3.84	1.63	1.75	76,774	1,717
Raya Chercher	7.49	6.768	5.37	4.87	7.79	6.54	4.89	4.26	4.09	3.57	1.53	1.37	30,935	1,315
Hadnet	7.43	7.677	2.68	2.98	4.80	5.10	3.28	3.44	2.09	2.45	0.76	0.86	153,153	1,511
Adigudem	7.34	6.518	4.40	3.96	6.60	5.94	3.55	3.80	4.31	4.37	1.76	1.73	18,807	1,212
Bora	7.17	6.882	4.70	4.67	11.39	10.20	7.28	6.46	8.89	7.65	1.58	1.27	24,803	1,177

Socio demographic characteristics	Difficulty of Seeing		Difficulty of Hearing		Difficulty of Walking		Difficulty of Remembering		Difficulty of With Self Care		Difficulty of Communicating		Number	
	Weighted	Unweighted	Weighted	Unweighted	Weighted	Unweighted	Weighted	Unweighted	Weighted	Unweighted	Weighted	Unweighted	Weighted	Unweighted
Egela	7.06	7.524	3.19	3.31	5.13	5.49	2.63	2.56	2.29	2.63	1.76	1.73	44,162	1,329
Freweini town	7.05	7.305	3.21	3.29	11.53	11.63	5.28	5.04	6.62	6.79	0.54	0.51	14,925	972
Hintalo	7.05	6.797	4.36	4.53	5.99	5.51	2.56	2.37	5.10	4.02	1.12	1.34	107,831	1,942
Kedamay Weyane	6.97	7.681	2.71	2.78	6.75	6.95	2.94	3.15	1.94	2.34	0.27	0.22	34,866	1,367
Wajirat	6.93	6.972	3.77	3.55	8.36	7.59	3.58	3.28	2.86	2.53	1.71	1.91	46,234	1,463
Hagereselam	6.90	7.123	5.71	5.70	6.57	6.84	5.49	6.08	5.60	6.17	2.04	2.18	9,265	1,053
Tsirae wemberta	6.78	6.494	3.90	3.58	5.40	5.57	2.69	2.45	3.31	3.11	0.57	0.60	88,901	1,509
Gerealta	6.68	7.072	4.22	4.36	8.12	8.72	3.63	3.77	4.35	4.43	1.08	1.19	43,438	1,513
Atsbi town	6.68	5.408	4.13	3.80	5.97	4.93	3.76	3.23	4.21	3.98	2.50	2.09	19,612	1,054
Shire Endaselassie	6.67	6.641	3.90	4.06	8.56	8.32	5.24	5.48	6.37	7.22	1.46	1.29	141,068	1,551
Kilte Awlaelo	6.66	6.845	3.40	3.35	6.10	6.43	2.49	2.87	4.29	4.65	1.63	1.78	69,585	1,461
Maichew	6.39	5.301	2.12	1.90	6.19	5.30	2.76	2.61	4.26	3.40	0.38	0.63	38,893	1,264
Seymti Adyabo	6.39	4.922	4.08	3.50	4.92	4.35	2.87	2.50	2.64	3.07	3.50	3.00	44,898	1,402
tahtay Koraro	6.36	8.25	5.40	6.75	5.33	7.63	4.81	7.00	5.18	7.06	2.68	3.88	97,089	1,600
Samre	6.25	6.694	4.55	4.66	8.75	7.92	4.43	4.48	2.94	3.49	2.02	2.62	74,440	1,718
Edaga hamus	5.95	8.085	2.28	3.66	9.97	11.49	3.68	5.28	12.24	11.91	0.49	1.02	27,369	1,175
Kola temben	5.86	5.904	5.11	4.98	5.91	6.33	3.84	4.31	2.98	3.51	1.25	1.66	93,445	1,626
Atsbi	5.81	5.416	4.70	4.36	6.46	5.75	4.13	3.57	4.79	4.36	1.66	1.59	46,543	1,514
Seharti	5.81	7.231	4.19	4.93	6.27	7.34	3.71	4.54	4.07	4.65	2.59	3.25	106,847	1,784
Tanqua milash	5.79	5.587	2.83	2.64	4.84	5.02	2.31	2.39	4.48	4.65	0.51	0.44	48,440	1,593
Abiadi	5.76	6.608	3.11	4.27	7.36	8.46	4.71	5.64	6.73	7.90	2.53	3.14	31,735	1,241

Socio demographic characteristics	Difficulty of Seeing		Difficulty of Hearing		Difficulty of Walking		Difficulty of Remembering		Difficulty of With Self Care		Difficulty of Communicating		Number	
	Weighted	Unweighted	Weighted	Unweighted	Weighted	Unweighted	Weighted	Unweighted	Weighted	Unweighted	Weighted	Unweighted	Weighted	Unweighted
Selewa	5.47	5.668	3.55	4.12	4.10	3.64	2.25	2.50	1.81	2.02	1.58	2.09	38,568	1,482
Emba Alaje	5.20	5.214	3.38	3.41	4.41	4.48	1.88	2.07	2.63	2.74	1.04	1.20	54,292	1,496
Keyih tekli	5.00	4.974	2.99	2.85	4.52	4.46	1.91	1.61	2.02	2.34	0.46	0.51	60,188	1,367
Chila	4.72	4.881	4.37	4.32	4.06	4.18	2.83	2.86	2.40	2.51	3.05	3.14	49,658	1,434
Quiha	4.72	5.147	2.73	3.38	4.71	5.74	2.66	3.01	2.35	2.79	0.72	0.74	42,245	1,360
Enda mekoni	4.61	4.609	2.75	2.65	5.84	5.59	3.03	2.65	2.05	1.82	0.91	0.77	61,608	1,432
Wukro	4.54	4.77	3.08	3.38	5.73	5.90	2.75	3.12	3.24	3.47	1.79	1.82	52,228	1,153
Enderta	4.50	4.537	2.81	2.75	4.23	3.94	1.76	1.91	3.27	3.34	0.40	0.42	185,171	1,675
Mekoni town	4.33	4.808	1.76	1.83	3.35	3.75	1.70	1.83	2.10	2.31	0.42	0.48	138,463	1,040
Sheraro	4.23	5.44	2.55	2.88	3.70	4.08	2.39	2.88	2.62	3.04	1.40	1.20	31,917	1,250
Ayder	4.04	4.472	2.41	2.87	6.73	7.41	2.73	3.07	5.65	6.01	0.55	0.63	84,926	1,431
Hawelti	3.95	3.836	1.75	1.75	3.21	3.23	1.97	1.88	1.03	1.01	0.39	0.34	108,722	1,486
Adi Haki	3.80	3.428	1.36	1.25	4.34	3.96	1.63	1.52	2.80	2.57	0.65	0.59	84,214	1,517
Hawzen	3.73	3.779	2.09	2.03	3.21	5.62	2.04	3.00	2.39	3.59	0.18	0.48	36,492	1,032
Raya Azebo	3.62	4.94	2.17	3.42	3.95	5.83	2.75	3.48	3.02	4.56	0.69	1.08	92,126	1,579
Semen	3.54	3.82	1.95	2.08	2.98	3.35	1.33	1.81	1.54	2.01	0.44	0.54	95,765	1,492
Abegele	3.45	4.51	2.83	3.19	4.31	5.35	1.57	1.98	1.96	2.04	0.66	0.84	91,515	1,663
Neqsege	2.73	2.847	2.37	2.42	2.89	2.56	1.53	1.49	1.11	1.00	1.17	1.42	30,685	1,405
IDP	4.38	4.856	3.13	3.39	7.04	6.22	5.09	4.05	3.44	2.40	0.88	1.37	763,179	2,121
Total	7.22	7.733	4.50	4.83	7.27	7.60	4.50	4.56	4.62	5.05	1.71	1.89	5,823,256	109,630

Table 0-16: Severity of disability for seeing and hearing difficulty, TSES, 2024 G.C

Socio demographic characteristics	Difficulty seeing								Difficulty hearing							
	Weighted				Unweighted				Weighted				Unweighted			
	Some	A lot	Can't see	Number	Some	A lot	Can't see	Number	Some	A lot	Can't hear	Number	Some	A lot	Can't hear	Number
Regional	69.3	26.4	4.31	419,363	65.95	28.99	5.06	8,476	71.9	24	4.07	261,756	69.45	25.88	4.67	5,289
Age group																
5-17 Years	73.1	22.9	3.95	27,070	67.56	27.67	4.77	524	70.4	23.8	5.8	23,837	68.17	23.87	7.96	465
18-59 Years	74.4	22.1	3.47	180,771	70.85	24.93	4.23	3,526	71.8	22.6	5.56	101,341	68.26	25.15	6.59	1,972
≥60 Years	64.4	30.6	5.07	211,523	61.86	32.38	5.76	4,426	72.2	25.1	2.67	136,577	70.48	26.72	2.81	2,852
Sex																
Male	67.7	27.9	4.34	194,160	64.30	30.58	5.12	3,947	68.9	26.1	5.07	118,253	66.79	27.58	5.63	2,469
Female	70.6	25.1	4.28	225,203	67.39	27.60	5.01	4,529	74.4	22.3	3.25	143,503	71.77	24.40	3.83	2,820
Residence																
urban	76.3	20.9	2.8	151,419	71.16	25.43	3.41	2,493	77.7	19.9	2.4	80,700	72.07	24.30	3.63	1,321
Rural	65.3	29.6	5.16	267,945	63.78	30.47	5.75	5,983	69.3	25.8	4.82	181,055	68.57	26.41	5.02	3,968
Zone																
North Western	73.5	22.7	3.78	113,375	64.49	28.98	6.53	1,577	74.4	22.1	3.53	79,603	70.20	25.12	4.69	1,067
Central	65.3	29.7	5.09	132,492	64.24	30.76	5.00	2,939	68.7	26.7	4.59	87,050	67.03	27.91	5.06	1,917
Eastern	67.9	28.1	4.05	74,136	67.52	28.38	4.11	1,924	70.4	25.8	3.78	41,451	70.64	25.27	4.09	1,124
South East	66.8	27.6	5.65	36,682	67.53	26.68	5.79	847	67.3	26.5	6.15	23,005	68.19	26.67	5.14	525
Mekelle	77.9	20.3	1.82	37,902	71.20	25.36	3.44	552	85	13.9	1.07	16,932	76.17	22.66	1.17	256
Southern	65.8	29	5.17	24,776	66.09	28.89	5.02	637	73.9	21.1	5.06	13,715	73.00	21.00	6.00	400
Total	69.3	26.4	4.31	419,363	65.95	28.99	5.06	8,476	71.9	24	4.07	261,756	69.45	25.88	4.67	5,289

Socio demographic characteristics	Difficulty seeing								Difficulty hearing							
	Weighted				Unweighted				Weighted				Unweighted			
	Some	A lot	Can't see	Number	Some	A lot	Can't see	Number	Some	A lot	Can't hear	Number	Some	A lot	Can't hear	Number
Household head literacy																
No education	65.86	28.87	5.27	285,788	63.42	30.58	6.00	6,003	71.05	24.39	4.56	190,064	68.82	26.18	5.01	3,954
Primary education	75.18	22.54	2.28	87,231	70.59	26.78	2.62	1,639	74.29	23.06	2.65	50,022	71.27	25.00	3.73	912
Secondary education	76.04	21.37	2.58	32,293	72.33	24.28	3.40	589	73.12	23.08	3.80	17,200	69.73	26.11	4.15	337
Taritiary education	85.97	12.72	1.31	14,052	81.63	15.92	2.45	245	77.65	22.07	0.28	4,471	77.91	20.93	1.16	86
Total	69.25	26.44	4.31	419,363	65.95	28.99	5.06	8,476	71.92	24.01	4.07	261,756	69.45	25.88	4.67	5,289

Table 0-17: Severity of disability for walking and self-care difficulty, TSES, 2024 G.C

Socio demographic characteristics	Difficulty of walking or climbing								Difficulty with self care such as washing or dressing							
	Weighted				Unweighted				Weighted				Unweighted			
	Some	A lot	Can't walk	Number	Some	A lot	Can't walk	Number	Some	A lot	Can't self care	Number	Some	A lot	Can't self care	Number
Regional	64.78	31.4	3.826	423,351	61.15	34.59	4.26	8326	61.96	29.8	8.22	268,824	60.43	30.87	8.70	5,540
Age group																
5-17	65.19	29.3	5.52	25,197	59.34	33.40	7.26	482	54.73	35.6	9.67	21,131	51.43	36.90	11.67	420
18-59	64.92	31.7	3.375	211,846	61.13	34.99	3.87	3975	62.06	29.5	8.45	119,774	60.40	30.51	9.09	2,376
≥60	64.57	31.3	4.111	186,308	61.39	34.32	4.29	3869	63.05	29.2	7.77	127,919	61.84	30.25	7.91	2,744
Sex																
Male	62.59	33.7	3.742	210,331	59.66	36.07	4.27	4100	60.93	30.8	8.3	124,890	59.02	32.24	8.75	2,584
Female	66.94	29.2	3.91	213,021	62.59	33.15	4.26	4226	62.84	29	8.16	143,934	61.67	29.67	8.66	2,956
Residence																
urban	70.15	26	3.821	165,506	62.20	33.28	4.52	2542	62.68	28.7	8.6	97,598	60.02	30.37	9.60	1,666
Rural	61.33	34.8	3.83	257,845	60.68	35.17	4.15	5784	61.54	30.4	8.01	171,226	60.61	31.08	8.31	3,874
Zone																
North Western	70.55	26.2	3.223	128,960	63.56	32.28	4.15	1493	68.11	25.2	6.73	81,553	62.21	29.15	8.64	995
Central	62	34	3.985	131,998	59.88	36.10	4.03	2956	59.46	32.1	8.44	87,136	59.13	32.38	8.49	2,026
Eastern	61.15	36.1	2.781	66,751	61.53	35.32	3.16	1900	61.23	33.5	5.23	46,459	62.70	31.46	5.83	1,354
South East	58.65	36.6	4.761	36,460	59.34	35.73	4.92	792	56.26	30.8	12.9	22,798	59.07	30.85	10.08	496
Mekelle	69.56	25.5	4.981	34,544	62.59	32.04	5.37	540	54.8	31.9	13.3	16,342	57.45	27.30	15.25	282
Southern	61.63	32.4	5.964	24,638	61.24	31.63	7.13	645	61.73	26.5	11.8	14,537	58.66	27.91	13.44	387
Total	64.78	31.4	3.826	423,351	61.15	34.59	4.26	8326	61.96	29.8	8.22	268,824	60.43	30.87	8.70	5,540
Household head litracy																

Socio demographic characteristics	Difficulty of walking or climbing								Difficulty with self care such as washing or dressing							
	Weighted				Unweighted				Weighted				Unweighted			
	Some	A lot	Can't walk	Number	Some	A lot	Can't walk	Number	Some	A lot	Can't self care	Number	Some	A lot	Can't self care	Number
No education	63.73	31.7	4.554	269,194	61.14	33.93	4.92	5505	61.33	29.9	8.8	183,562	59.74	30.86	9.40	3,892
Primary education	68.38	29.5	2.116	93,302	61.54	35.67	2.78	1724	64.73	29	6.31	52,414	63.12	29.75	7.14	995
Secondary education	63.44	32.9	3.613	46,695	59.37	37.00	3.63	827	59.92	31.1	8.95	25,071	60.04	33.00	6.96	503
Tertiary education	65.35	32.7	1.977	14,161	64.07	33.70	2.22	270	64.55	30.3	5.18	7,777	62.00	31.33	6.67	150
Total	64.78	31.4	3.826	423,351	61.15	34.59	4.26	8326	61.96	29.8	8.22	268,824	60.43	30.87	8.70	5,540

Table 0-18: Severity of disability for difficulty of remembering and communicating, TSES, 2024 G.C

Socio demographic characteristics	Difficulty of remembering or concentrating								Difficulty of communicating							
	Weighted				Unweighted				Weighted				Unweighted			
	Some	A Lot	Can't remember	Number	Some	A Lot	Can't remember	Number	Some	A lot	Can't speak	Number	Some	A lot	Can't speak	Number
Regional	70.46	24.13	5.41	262,329	68.03	25.98	6.00	5,004	67.35	24.2	8.44	98,881	66.1	24.7	9.2	2,070
Age group																
5-17	53.54	38.78	7.68	21,603	50.90	39.28	9.82	387	63.01	28.5	8.46	20,255	63.7	24.8	11.5	408
18-59	69.74	22.7	7.56	124,252	65.61	26.15	8.24	2,233	66.23	22.3	11.4	47,357	65.1	23.3	11.6	969
≥60	74.37	22.95	2.68	116,473	73.07	23.66	3.27	2,384	71.84	24.3	3.87	31,268	68.8	26.6	4.6	693
Sex																
Male	68.12	25.88	6.00	109,202	65.56	27.94	6.50	2,201	65.42	24.9	9.64	50,317	64.3	25.2	10.5	1,031
Female	72.13	22.89	4.98	153,127	69.96	24.44	5.60	2,803	69.34	23.5	7.19	48,563	67.9	24.2	8.0	1,039
Residence																
urban	72.89	22.28	4.83	103,530	67.60	26.27	6.13	1,534	64.5	27.9	7.59	27,987	64.4	25.9	9.7	495
Rural	68.87	25.34	5.79	158,798	68.21	25.85	5.94	3,470	68.47	22.8	8.77	70,894	66.6	24.3	9.1	1,575
Zone																
North Western	72.04	22.82	5.14	92,968	65.68	27.39	6.92	982	69.35	22.4	8.27	35,044	66.7	25.2	8.1	531
Central	69.17	25.28	5.55	82,680	67.96	26.32	5.72	1,888	64.7	25.7	9.6	30,179	64.9	23.8	11.4	686
Eastern	69.64	26.1	4.26	36,740	69.67	25.53	4.80	1,042	73.45	21.7	4.83	16,731	69.9	23.5	6.6	425
South East	63.34	28.49	8.17	18,173	67.18	25.77	7.05	454	63.79	25.4	10.8	8,155	67.7	23.3	9.0	223
Mekelle	77.16	18.56	4.27	18,256	72.43	21.32	6.25	272	57.41	28.4	14.2	4,254	55.9	28.8	15.3	59
Southern	70.21	22.5	7.29	13,512	67.76	25.41	6.83	366	62.6	31.8	5.61	4,518	60.3	30.8	8.9	146
Total	70.46	24.13	5.41	262,329	68.03	25.98	6.00	5,004	67.35	24.2	8.44	98,881	66.1	24.7	9.2	2,070
Household head literacy																

Socio demographic characteristics	Difficulty of remembering or concentrating								Difficulty of communicating							
	Weighted				Unweighted				Weighted				Unweighted			
	Some	A Lot	Can't remember	Number	Some	A Lot	Can't remember	Number	Some	A lot	Can't speak	Number	Some	A lot	Can't speak	Number
No education	70.1	24.32	5.59	179,146	67.72	25.87	6.41	3,572	64.46	25.9	9.65	68,010	62.4	27.2	10.5	1,440
Primary education	71.63	24.79	3.58	56,736	68.51	26.84	4.65	924	72.26	23.8	3.91	20,192	74.7	20.3	5.0	423
Secondary education	72.44	19.8	7.75	21,066	70.95	23.65	5.40	389	76.11	14	9.88	8,644	74.4	16.9	8.7	172
Taritiary education	62.41	28.12	9.47	5,380	63.87	30.25	5.88	119	77.93	15.2	6.89	2,035	74.3	14.3	11.4	35
Total	70.46	24.13	5.41	262,329	68.03	25.98	6.00	5,004	67.35	24.2	8.44	98,881	66.1	24.7	9.2	2,070

Table 0-19: Magnitude of disability related work reduction, TSES, 2024 G.C.

Socio demographic characteristics	All the time		Sometimes		No		Not work or attending school		Number	
	Weighted	Unweighted	Weighted	Unweighted	Weighted	Unweighted	Weighted	Unweighted	Weighted	Unweighted
Regional	33.77	34.82	63.07	61.97	1.62	1.66	1.54	1.56	470,407	10,133
Age Group										
5-17 Years	18.19	18.21	80.36	80.00	0.61	0.70	0.84	1.09	73,127	1,565
18-59 Years	30.31	31.75	66.60	65.23	1.98	1.96	1.12	1.07	264,521	5,626
≥ 60 Years	49.26	49.52	46.50	46.13	1.46	1.60	2.77	2.75	132,758	2,942
sex										
Male	34.99	36.14	62.19	60.81	1.48	1.63	1.34	1.42	237,712	5,147
Female	32.53	33.45	63.96	63.16	1.76	1.68	1.74	1.70	232,694	4,986
Residence										
urban	32.26	33.50	64.01	62.98	2.19	1.98	1.54	1.55	160,263	3,287
Rural	34.56	35.45	62.58	61.48	1.32	1.50	1.54	1.56	310,144	6,846
Zone										
North Western	36.44	38.49	59.97	57.97	2.26	2.10	1.33	1.44	97,732	1,525
Central	34.19	36.12	63.43	61.36	0.95	0.94	1.43	1.58	168,134	3,732
Eastern	34.63	34.26	61.38	61.70	1.59	1.70	2.40	2.34	73,889	2,055
South East	29.91	31.02	67.12	65.15	1.79	2.79	1.19	1.04	61,734	1,254
Mekelle	29.01	32.79	66.46	63.28	2.05	2.17	2.48	1.76	37,958	738
Southern	34.61	31.12	62.63	66.71	2.44	1.81	0.31	0.36	30,960	829
Household head literacy										
No education	40.93	41.32	55.48	54.95	1.36	1.53	2.23	2.20	249,500	5,545
Primary education	26.00	26.71	71.94	71.10	1.48	1.49	0.58	0.71	134,334	2,827

Socio demographic characteristics	All the time		Sometimes		No		Not work or attending school		Number	
	Weighted	Unweighted	Weighted	Unweighted	Weighted	Unweighted	Weighted	Unweighted	Weighted	Unweighted
Secondary education	27.03	28.99	69.70	68.10	2.20	2.15	1.06	0.77	62,928	1,304
Taritiary education	20.42	22.76	75.01	73.09	3.55	2.84	1.02	1.31	23,644	457
Woreda										
Embasineyti	64.55	68.56	33.58	28.35	0.00	0.00	1.86	3.09	9,575	194
Raya Chercher	60.05	54.10	38.40	44.26	1.55	1.64	0.00	0.00	1,448	61
Zana	56.38	60.56	42.52	38.03	0.00	0.00	1.09	1.41	3,596	71
Enticho town	55.50	55.91	39.89	38.58	1.17	1.57	3.43	3.94	1,981	127
Raya Azebo	54.34	55.56	44.48	42.22	0.00	0.00	1.18	2.22	4,279	90
Keyih tekli	51.82	43.93	45.83	54.21	1.18	0.93	1.18	0.93	4,473	107
Laelay Maichew	49.80	45.70	49.43	52.69	0.76	1.61	0.00	0.00	7,253	186
Tsirae wemberta	49.03	53.03	50.97	46.97	0.00	0.00	0.00	0.00	3,288	66
Neader	48.85	51.69	49.05	46.07	2.11	2.25	0.00	0.00	3,315	89
Sheraro	48.54	39.00	48.77	57.00	0.00	0.00	2.70	4.00	2,091	100
Tahtay maichew	47.37	47.74	51.45	50.97	0.75	0.65	0.43	0.65	10,609	155
Mai kinetal	46.67	48.56	53.33	51.44	0.00	0.00	0.00	0.00	8,099	208
Wajirat	46.65	43.51	53.35	56.49	0.00	0.00	0.00	0.00	4,156	131
Tsaeda Emab	46.02	46.96	50.31	49.57	1.67	1.74	2.00	1.74	4,831	115
Freweini town	45.87	45.78	54.13	54.22	0.00	0.00	0.00	0.00	1,514	83
Maekel Adyabo	45.85	47.87	49.61	48.40	2.30	2.66	2.24	1.06	5,196	188
Tahtay Adyabo	45.58	45.06	50.52	52.36	0.73	0.43	3.18	2.15	18,585	233
Wereda Adwa	43.17	44.44	55.52	54.39	1.31	1.17	0.00	0.00	10,035	171
Kedamay Weyane	42.85	43.44	55.39	55.74	1.76	0.82	0.00	0.00	2,698	122

Socio demographic characteristics	All the time		Sometimes		No		Not work or attending school		Number	
	Weighted	Unweighted	Weighted	Unweighted	Weighted	Unweighted	Weighted	Unweighted	Weighted	Unweighted
Bora	42.07	38.40	55.37	58.40	2.56	3.20	0.00	0.00	2,921	125
Erob	41.13	41.32	56.38	56.20	1.89	1.65	0.60	0.83	2,335	121
Ganta afeshum	40.10	38.68	56.20	56.60	3.12	3.77	0.58	0.94	8,187	106
Adigudem	40.06	31.33	58.02	66.27	1.92	2.41	0.00	0.00	1,177	83
Ahsea	39.84	43.75	59.78	55.63	0.38	0.63	0.00	0.00	4,968	160
Adi Haki	39.80	37.66	57.57	58.44	0.87	2.60	1.76	1.30	4,546	77
Shire Endaselassie	39.75	36.54	56.13	58.65	3.54	3.85	0.58	0.96	11,736	104
Subha sasei	39.62	41.94	59.15	57.26	0.00	0.00	1.22	0.81	3,420	124
Endabatsehama	39.57	41.67	59.55	56.41	0.31	0.64	0.56	1.28	8,669	156
Tsimbila	39.33	43.52	57.82	53.70	2.86	2.78	0.00	0.00	5,907	108
Selewa	39.32	44.71	60.68	55.29	0.00	0.00	0.00	0.00	2,025	85
Gerealta	39.28	36.18	53.06	56.58	2.32	1.97	5.34	5.26	3,990	152
Mekoni town	38.86	39.39	56.88	56.06	4.26	4.55	0.00	0.00	8,164	66
Bizet	38.33	38.58	59.74	59.06	1.16	1.18	0.77	1.18	5,260	254
Degua temben	38.05	38.18	57.84	58.18	0.59	0.61	3.52	3.03	5,823	165
Hagereselam	37.21	38.71	61.13	60.22	1.66	1.08	0.00	0.00	782	93
Seymti Adyabo	36.63	40.00	63.37	60.00	0.00	0.00	0.00	0.00	2,202	65
Asgede	36.44	34.58	59.57	61.68	1.43	0.93	2.56	2.80	6,572	107
Egela	36.20	36.75	60.46	58.97	2.52	3.42	0.82	0.85	3,268	117
Maichew	35.81	33.87	60.47	62.90	3.72	3.23	0.00	0.00	2,265	62
Adwa town	35.29	44.16	62.98	54.55	1.73	1.30	0.00	0.00	10,422	154
Atsbi	35.12	37.29	63.54	61.02	0.00	0.00	1.34	1.69	3,744	118

Socio demographic characteristics	All the time		Sometimes		No		Not work or attending school		Number	
	Weighted	Unweighted	Weighted	Unweighted	Weighted	Unweighted	Weighted	Unweighted	Weighted	Unweighted
Endabguna	34.17	34.65	61.60	60.40	3.56	3.96	0.67	0.99	4,057	101
tahtay Koraro	33.06	39.74	63.04	56.95	3.63	2.65	0.27	0.66	10,274	151
Tanqua milash	33.05	35.61	66.23	63.64	0.00	0.00	0.72	0.76	4,593	132
Adigrat	32.99	34.19	62.77	61.54	0.92	0.85	3.32	3.42	10,304	117
Hintalo	32.54	27.95	63.84	64.63	2.97	6.55	0.65	0.87	12,524	229
Quiha	31.93	35.04	60.73	58.12	6.03	5.98	1.31	0.85	3,028	117
Ahferom	31.34	31.18	66.02	66.29	0.00	0.00	2.64	2.53	14,374	356
Wereda Hawzen	30.97	23.39	66.64	74.27	1.41	1.75	0.98	0.58	7,444	171
Abegele	30.68	30.09	68.34	67.26	0.51	1.77	0.47	0.88	4,899	113
Hawelti	30.03	33.33	62.14	60.32	3.61	3.17	4.22	3.17	4,340	63
Hahayle	29.99	33.52	67.96	64.25	1.19	1.12	0.86	1.12	9,880	179
Abiadi	29.54	37.25	65.11	56.86	2.40	0.98	2.96	4.90	2,440	102
Wukro	28.29	31.65	69.91	65.82	1.80	2.53	0.00	0.00	3,580	79
Enderta	27.35	27.56	71.08	70.51	0.36	0.64	1.21	1.28	17,995	156
Aidaero	27.03	26.45	72.08	72.73	0.90	0.83	0.00	0.00	14,719	121
Gulomekeda	26.85	26.60	49.84	48.94	6.53	6.38	16.78	18.09	3,306	94
Seharti	26.25	28.51	67.00	63.80	4.74	5.88	2.01	1.81	11,527	221
Hadnet	25.13	26.21	68.91	68.93	1.03	0.97	4.93	3.88	9,927	103
Ayder	25.04	28.25	72.24	70.06	2.71	1.69	0.00	0.00	9,224	177
Atsbi town	24.03	28.00	67.30	64.00	7.12	6.00	1.54	2.00	1,105	50
Rama	24.02	28.70	73.11	68.70	0.00	0.00	2.87	2.61	5,557	115
Edaga hamus	23.68	25.29	75.70	73.56	0.19	0.57	0.43	0.57	3,572	174

Socio demographic characteristics	All the time		Sometimes		No		Not work or attending school		Number	
	Weighted	Unweighted	Weighted	Unweighted	Weighted	Unweighted	Weighted	Unweighted	Weighted	Unweighted
Hawzen	23.17	21.50	75.53	74.77	1.30	3.74	0.00	0.00	2,882	107
Semen	23.14	26.58	73.30	67.09	0.00	0.00	3.56	6.33	4,194	79
Kilte Awlaelo	22.98	20.97	71.03	73.39	0.78	0.81	5.21	4.84	5,127	124
Adet	22.15	21.67	77.01	77.34	0.46	0.49	0.39	0.49	10,605	203
Kola temben	21.74	23.77	71.75	69.67	0.00	0.00	6.51	6.56	6,978	122
Laelay koraro	21.62	19.89	71.87	72.73	4.92	5.11	1.60	2.27	12,796	176
Axum town	20.16	21.94	65.75	66.84	6.34	4.59	7.75	6.63	9,464	196
Samre	19.65	21.02	79.72	77.84	0.63	1.14	0.00	0.00	7,751	176
Enda mekoni	19.05	16.87	75.48	79.52	4.15	2.41	1.31	1.20	3,498	83
Emba Alaje	17.45	15.79	81.41	83.16	1.14	1.05	0.00	0.00	3,371	95
Neqsege	8.61	8.02	89.92	90.74	1.47	1.23	0.00	0.00	2,989	162
Chila	5.59	7.69	94.28	92.05	0.13	0.26	0.00	0.00	16,677	390
IDP	30.18	27.78	69.82	72.22	0.00	0.00	0.00	0.00	47,621	144
Total	33.44	34.72	63.69	62.11	1.47	1.63	1.40	1.54	518,027	10,277

5.4 Addiction and substance use

5.4.1 Addiction

According results that come out from the socioeconomic survey (TSES) conducted across 75 woredas; approximately 42,558 individuals reported substance addiction within the seven days preceding the survey. Of these, 26,414 were men and 16,143 were women, with substance use reported across various categories. Substance dependence was more prevalent among older adults (aged 60 and above), with 4,475 men and 3,641 women in this age group reporting addiction. Among adults aged 18 to 59 years, 21,554 men and 12,205 women reported addiction. In terms of educational attainment, the highest number of addicted individuals were among those with no formal education (18,976), followed by those with primary education (14,003).

Substance addiction was more prevalent in rural areas (27,232 individuals) than in urban areas (15,325 individuals). At the zonal level, the Northwestern Zone reported the highest number of addicted individuals (15,826). Among men specifically, the Southern Zone had the highest number of cases (7,367), while the Southeast Zone reported the lowest (349). At the woreda level, the highest levels of substance addiction were recorded in Zana (7,839 individuals), Adwa (6,141), and Mokoni Town (3,480). Conversely, in 15 woredas, no cases of addiction were reported during the seven-day reference period.

Among internally displaced persons (IDPs), 26,669 individuals reported addiction in the past week. Within this group, men (19,168) were more affected than women (7,501) (Table 4.18).

5.4.2 Magnitude of addiction by type of substances

In the seven days preceding the survey, alcohol was the most commonly reported substance of addiction (7,709 cases), followed closely by khat (7,511 cases) and tobacco (4,181 cases). A considerable number of respondents (28,033) also reported addiction to other substances such as illicit drugs, cannabis, and engagement in gambling, indicating a significant burden of non-traditional addictive behaviors.

Alcohol addiction was predominantly observed among adults aged 18 to 59 years (7,304), with the lowest prevalence among individuals aged 5 to 17 years (100). The incidence was notably higher among men (12,723) compared to women (15,310). Geographically, rural areas reported a significantly higher number of alcohol-addicted individuals (20,986) compared to urban areas (7,047). The highest zonal prevalence of alcohol addiction was observed in the northwest (13,356), while the southeast reported the lowest (258 individuals).

The majority of kat users were also aged 18 to 59 years (6,766). Gender based disaggregated data show that 12,723 men and 15,310 women were addicted to khat*. Similarly, when disaggregated by education level it appears that those with no formal education (14,148) exhibited higher levels of khat addiction compared to those with any level of education level. Zonal disaggregated information shows that southern zone reported the highest (5,297) prevalence of kat addiction, while the eastern zone reported the lowest (93). Tobacco use was similarly concentrated among the 18–59 age group (3,770), with some prevalence among those aged 60 and above (357). Men (4,083) reported a far higher rate of tobacco addiction than women (98). The highest zonal prevalence was found in Mekelle city (991) and the northwest (1,601). Unlike alcohol tobacco addiction was more prevalent in urban areas (3,060) than in rural areas (1,121).

5.4.3 Substance Dependency

The socioeconomic survey (SES) assessed the prevalence of substance dependence among respondents residing in the surveyed woredas. Substance dependence was measured using four standardized criteria including attempts to cut down on substance use, experiencing annoyance from others about their use, feelings of guilt, and using substances as an “eye-opener.” Respondents who met at least two of these criteria were classified as substance dependent.

Based on this classification, the overall prevalence of substance dependence among individuals who reported substance use was 26.81%. The highest prevalence was observed among adults aged 18–59 years (29.80%), followed by those aged 60 years and above (15.89%). Marked differences were observed across sexes, with 30.32% of male users classified as substance dependent compared to 21.08% of female users. Substantial variation was also noted by place of residence where substance dependence was significantly more prevalent in urban areas (41.32%)

than in rural areas (18.65%). Zonal variation was considerable. The eastern zone recorded the highest rate of substance dependence at 61.19%, while the southern zone reported the lowest prevalence at 5.90%. Substance dependence was also found to be highest among respondents with tertiary education (32.60%) compared to those with lower levels of educational attainment (Table 4.20).

Table 0-20: Magnitude of addiction due to different types of substance, TSES, 2024 G.C

Socio-demographic characteristic	Cause of addiction by Sex				Cause of addiction regional			
	Male		Female		Percent		Number	
	Weighted	Unweighted	Weighted	Unweighted	Weighted	Unweighted	Weighted	Unweighted
Regional	26,414	480	16,143	310	42,558	790	4,473,027	94,903
Age in years								
10-17 Years	385	10	297	6	682	16	1,116,016	24,127
18-59 Years	21,554	375	12,205	227	33,759	602	2,862,823	59,817
≥60 Years	4,475	95	3,641	77	8,116	172	494,188	10,959
Residence								
Urban	11,925	176	3,400	41	15,325	217	1,715,534	32,689
Rural	14,489	304	12,743	269	27,232	573	2,757,493	62,214
Zone								
North Western	8,211	130	7,614	122	15,826	252	899,368	15,392
Central	5,244	110	5,703	110	10,947	220	1,274,325	28,733
Eastern	2,928	78	1,696	57	4,625	135	786,212	20,158
South East	349	9	183	4	532	13	523,870	10,863
Mekelle	2,315	44	145	4	2,461	48	541,483	9,148
Southern	7,367	109	802	13	8,168	122	447,769	10,609
Educational level								
No education	9,519	191	9,458	199	18,976	390	1,517,135	33,663
Primary education	9,455	167	4,548	74	14,003	241	1,773,263	37,390
Secondary education	5,448	92	1,507	28	6,955	120	872,351	17,824
Tertiary education	1,993	30	631	9	2,624	39	310,278	6,026
Total	33,915	489	35,311	333	69,226	822	5,112,435	96,684

Table 0-21: Magnitude of addiction by type of substances, TSES, 2024 G.C.

Socio-demographic characteristics	Weighted				Weighted Number	Unweighted				Unweighted Number
	Alcohol	Tobacco	Chat	Other		Alcohol	Tobacco	Chat	Other	
Regional	7,709	4181	7511	28,033	4,473,027	134	78	122	540	94,903
Age in years										
5-17 Years	100	54	222	386	1,116,016	4	2	4	9	24,127
18-59 Years	7,304	3,770	6,766	20,639	2,862,823	123	69	111	378	59,817
≥60 Years	305	357	522	7,008	494,188	7	7	7	153	10,959
Sex										
Male	7,326	4,083	7,027	12,723	2,148,751	122	74	112	248	45,747
Female	383	98	483	15,310	2,324,277	12	4	10	292	49,156
Residence										
Urban	5,656	3,060	3,595	7,047	1,715,534	83	61	56	84	32,689
Rural	2,053	1,121	3,915	20,986	2,757,493	51	17	66	456	62,214
Zone										
North western	1,598	1,601	719	13,356	899,368	21	18	10	218	15,392
Central	847	509	394	9,699	1,274,325	20	15	9	188	28,733
Eastern	830	646	186	3,714	786,212	19	17	4	110	20,158
South east	358	21	93	258	523,870	10	3	2	4	10,863
Mekelle	947	991	822	663	541,483	21	20	17	15	9,148
Southern	3,128	414	5,297	343	447,769	43	5	80	5	10,609
Educational level										
No education	1,705	809	3119	14,148	1,517,135	36	16	53	298	33,663
Primary education	2,470	1474	2190	9,374	1,773,263	41	26	33	165	37,390
Secondary education	2,648	1172	1754	3,194	872,351	44	25	28	59	17,824
Taritiary education	886	726	448	1,316	310,278	13	11	8	18	6,026
Total	7,709	4181	7511	28,033	4,473,027	134	78	122	540	94,903

Table 0-22: Magnitude of substances dependency, TSES, 2024 G.C

Socio demographic characteristic	Sex				Regional			
	Male		Female		Percent		Number	
	Weighted	Unweighted	Weighted	Unweighted	Weighted	Unweighted	Weighted	Unweighted
Regional	30.32	30.00	21.08	22.90	26.81	27.22	42,558	790
Age group								
5-17 Years	15.68	20.00	0.00	0.00	8.86	12.50	682	16
18-59 Years	33.08	31.47	24.03	25.55	29.80	29.24	33,759	602
≥60 Years	18.30	25.26	12.92	16.88	15.89	21.51	8,116	172
Residence								
urban	38.45	35.80	51.36	46.34	41.31	37.79	15,325	217
Rural	23.63	26.64	13.00	19.33	18.65	23.21	27,232	573
Zone								
North Western	45.58	36.15	30.53	25.41	38.34	30.95	15,826	252
Central	15.89	17.27	0.37	0.91	7.80	9.09	10,947	220
Eastern	61.52	66.67	60.62	64.91	61.19	65.93	4,625	135
South East	52.37	44.44	4.34	25.00	35.84	38.46	532	13
Mekelle	41.76	29.55	14.34	25.00	40.14	29.17	2,461	48
Southern	6.55	8.26	0.00	0.00	5.90	7.38	8,168	122
Educational level								
No education	20.12	21.99	14.71	19.60	17.42	20.77	18,976	390
Primary education	34.81	32.34	27.19	22.97	32.34	29.46	14,003	241
Secondary education	40.83	43.48	33.06	39.29	39.14	42.50	6,955	120
Tertiary education	29.00	26.67	43.97	44.44	32.60	30.77	2,624	39
Total	30.32	30.00	21.08	22.90	26.81	27.22	42,558	790

CHAPTER SIX

LAW AND ORDER

6.1 Prevalence of problems or disputes that may raise legal issues

Respondents aged 7 years or more were asked whether or not they had experienced problems or disputes that may raise legal issues in the 12 months prior to the interview. Adapted from the Legal Australia survey, we categorize major legal issues into 12 categories, and each category comprises its own major sub-categories. The 12 major categories are: (1) crime (comprises of theft, fraud, threats, violence or sexual violence or abuse, looting, robbery, injuries, breach of trust, brawl, and rape); (2) legal problem or disputes to do with defective or undelivered goods or services; (3) community resources; (4) land or buying and selling property; (5) housing; (6) family; (7) Injury / illness; (8) employment / labour related ; (9) social protection; (10) abuse by state officials; (11) public services/administration; and (12) legal problem or disputes related to debt.

We analyzed data from 59,899 individuals aged 18 years or older. Overall, our survey result has shown that 4,312 (7.13 percent) respondents have experienced at least one legal problem or dispute in the 12-month reference period, with almost no variation per residency (6.72 percent in urban and 7.39 percent in rural). In other words, nearly 1 out of 10 individuals aged 18 or more have experienced problems or disputes that may raise legal issues.

Looking at the major categories of problems or disputes that may raise legal issues at the regional level, crimes tend to be the major problem (about 4 percent), followed by issues related to land (1.6 percent) and social protection (1.2 percent). While the third major problem is maintained its position per residency as well, the second major problem tends to vary per residency. While the second major problem in urban areas is found to be issues related with housing (1.1 percent), issues related to land (2.1 percent) are found to be the second major problem in rural. For a detailed report, see Table 6.1.

Looking at the crime sub-categories, which is the major legal problem over the reference period of this survey, theft (35 percent), followed by threats (15 percent) and fraud (11 percent), are the

major problems under the crime category. For a detailed report of the crime sub-category, see Table 6.1.

6.2 Responses to problems or disputes that may raise legal issues (resolving mechanisms)

Respondents who have experienced at least one problem or dispute that may raise legal issues were also asked whether or not they were reported to police and reasons if they did not report as well as the resolving mechanisms, they used other than justice offices. In this context, 54 percent of individuals who were experienced legal problems or disputes over the reference period were not reported to the police offices; 52 percent in urban and 56 percent in rural areas. For details, see Table 6.2.

The main reasons for not reporting to police offices are found to be that the matter was dealt by themselves (25.3 percent), followed by due to its personal or family matter (19.8 percent) and they thought that the police could have done nothing (16.1 percent). For details, see Table 6.3.

Looking at the responses or resolving mechanisms other than reporting to the police, arbitration and/or mediation (shimglina) (56 percent) and a direct speaking to the concerned person/s are reported to be the major resolving mechanisms, followed by speaking to the friends and families of the person/s involved (14 percent). For details, see Table 6.3.

6.3 Fairness and effectiveness of prosecution process

In our survey, we also included respondent ratings of the fairness and effectiveness of the prosecution process if they had at least one problem or dispute that may raise a legal problem and reported it to the police offices.

Regarding the fairness of the prosecution process, about 44 percent of individuals reported that the process was unfair, and about 42 percent reports that they experienced a fair prosecution process, while about 14 percent of individuals could not say whether it was fair or unfair. For a detailed report per residence and per rating, see Table 6.4.

Looking at the effectiveness of the prosecution process at each stage, i.e., police, public prosecutor, and court offices, most of the respondents reported that the prosecution process was

ineffective at all stages, with the highest ineffectiveness observed to be at the police offices. About 54 percent of respondents reported that the police offices were ineffective, and 46 percent of respondents reported that both the offices of public prosecutor and court offices were ineffective. But, the survey further noticed that a significant number of respondents were not able to judge the effectiveness of the prosecution, which may imply the need for awareness creation on what is expected from which offices. Especially, 24 and 22 percent of respondents could not judge the effectiveness of the court and public prosecutor's offices, while only 10 percent could not judge effectiveness of police offices. For a detailed report of rating stages and per residency for each of the offices working in the justice sector, see Tables 6.4 and 6.5.

Table 0-1:Prevalence of problems or disputes that may raise legal issues by major categories of legal problems by residence, TSES 2023/24(2015/16 E.C.

Problem types	Residence		
	urban	Rural	Total
crime	3.79	3.91	3.86
consumer related	0.6	0.72	0.68
community resources	0.29	0.86	0.64
land	0.69	2.14	1.58
housing	1.06	0.6	0.78
family	0.79	0.96	0.89
injury	0.29	0.45	0.39
employment	0.7	0.8	0.76
social protection	1.2	1.19	1.19
abuse of state officials	0.48	0.52	0.5
public administration	0.43	0.46	0.45
debt	0.19	0.17	0.18
No legal problem or dispute	93.28	92.61	92.87

Table 0-2 Prevalence of problems or disputes related to crime that may raise legal issues by major categories of crime by residence, TSES 2023/24(2015/16 E.C.

Type of crimes	Residence		
	urban	Rural	Total
theft	53.72	42.29	46.61
fraud	10.42	17.78	15
threats	12.37	25.28	20.41
violence/ abuse	7.9	12.85	10.98
looting	4.93	7.36	6.44
robbery	7.22	8.75	8.17
injuries	2.75	5.42	4.41
breach of trust	6.87	7.43	7.22
brawl	7.1	11.46	9.81
rape	1.03	1.18	1.12
other	2.75	3.4	3.16

Table 0-3 Reporting to police behavior of respondents who experienced at least one problem or dispute that may raise legal issues and Responses to legal problems other than reporting to police (Resolving mechanisms) by residence, TSES 2023/24(2015/16 E.C.

Characterstics	Residence		
	urban	Rural	Total
Reported to police?			
yes	48.40	43.97	45.57
No	51.60	56.03	54.43
Total	100.00	100.00	100.00
Type of resolving mechanisms			
spoke to the person/s/ directly	45.45	41.67	42.57
spoke to the friends /family of the person/s/ involved	14.69	13.6	13.86
threatened violence/ reprisal	0	0.88	0.67
arbitration and/mediation (shimglina)	57.34	55.48	55.93
other (specify)	2.1	1.54	1.67

Table 6-4 Reasons for not reporting to police, TSES 2023/24(2015/16 E.C.

Reasons	Type of residence		
	urban	Rural	Total
Private/ personal/ family matter	14.91	22.31	19.77
Dealt with the matter myself/ourselves	17.64	29.38	25.35
Reported to other authorities or organizations such as superiors	4.84	6.55	5.97
Dislike or fear of police	0.99	1.62	1.41
Fear of reprisal by offender/make matters worse	2.86	8.69	6.69
Police could have done nothing	20.75	13.68	16.11
Inconvenient or too much trouble	14.16	7.26	9.63
No loss/ damage	3.35	2.79	2.98
Former attempt at offence was not successful	7.33	7.85	7.67
Too trivial or not worthy reporting	10.56	8.11	8.95
Previous bad experience of police	2.61	3.18	2.98
Previous bad experience of the prosecution process	10.19	10.05	10.1
Other specify	9.94	7.78	8.52

Table 0-5 Respondents rating of fairness of the prosecution, of effectiveness of police office during prosecution, effectiveness of public prosecutor office during prosecution and effectiveness of court office during prosecution process by residence, TSES 2023/24(2015/16 E.C.

Rating of Characterstics	Type of residence		
	urban	Rural	Total
Do you think that the overall prosecution process was fair?			
Agree strongly	17.88	18.84	18.47
Agree slightly	20.79	25.95	23.97
Neither fair nor unfair	16.42	11.98	13.69
Disagree slightly	13.11	11.98	12.42
Disagree strongly	31.79	31.24	31.45
Total	100	100	100
How would you rate the effectiveness of the police office?			
very effective	6.65	9.09	8.15
effective	24.86	29.64	27.79
ineffective	32.37	25.82	28.35
very ineffective	28.03	23.64	25.33
do not know	8.09	11.82	10.38
Total	100	100	100

Rating of Characterstics	Type of residence		
	urban	**Rural**	**Total**
How would you rate the effectiveness of the public prosecutor office?			
very effective	5.49	7.45	6.7
effective	20.81	28.36	25.45
ineffective	26.59	24	25
very ineffective	24.57	18.73	20.98
do not know	22.54	21.45	21.88
Total	100	100	100
How would you rate the effectiveness of the court office?	urban	Rural	Total
very effective	5.78	7.05	6.55
effective	16.76	27.83	23.5
ineffective	27.46	22.45	24.41
very ineffective	24.28	19.11	21.13
do not know	25.72	23.56	24.41
Total	100	100	100

CHAPTER SEVEN

AGRICULTURE AND ALLIED ACTIVITIES

7.1 Crop Production

Farming is one of the primary activities through which people sustain their livelihoods. Based on data from 75 woredas in the region, 46.34% of the householders were engaged in farming (Table 7.1). Of these, 28.26% were female householders.

In urban areas, only 7.9% of households were involved in farming either as a main or supplementary activity. This low percentage suggests the availability of alternative livelihood options in urban settings. Among the urban householders engaged in farming, 44.63% were female. In rural areas, 72.3% of householders were engaged in farming, with 35.11% of them being female.

Table 0-1: percentage distribution of households engaged in agricultural activity

Response	Tigrai		Urban		Rural	
	Male	Female	Male	Female	Male	Female
Yes	58.07	30.63	10.86	5.97	76.77	62.46
No	41.93	69.37	89.14	94.03	23.23	37.54
Total	100	100	100	100	100	100

Based on data collected from 75 woredas of the region, Freweini town recorded the highest barley yield, with 17.00 quintals per hectare, followed by Gulomekeda (12.14 quintals/hectare) and Hawelti (10.64 quintals/hectare). The lowest barley production was recorded at less than one quintal per hectare. For maize production, the top-performing woredas were Endabatsehama (24.95 quintals/hectare), Hagereselam (21.00 quintals/hectare), and Degua Temben (11.98 quintals/hectare). Across the 75 woredas, the average yields per hectare for major cereal crops were as follows: barley – 3.99 quintals, maize – 5.59 quintals, sorghum – 4.54 quintals, wheat –

4.65 quintals, and teff – 3.75 quintals. Overall, the region produced an average of 4.14 quintals of cereal crops per hectare.

According to Table 7.3, Sheraro, Kola Temben, and Atsbi produced less than one quintal of pulse crops per hectare. Neqsege Woreda demonstrated high productivity in field pea cultivation with 8.21 quintals per hectare, while Keyih Tekli produced 18.78 quintals per hectare of haricot beans. Soybean cultivation was limited to four woredas, with Tahtay Koraro and Degua Temben reporting yields of 4.00 quintals per hectare. On average, pulse crops yielded 2.73 quintals per hectare across the 75 woredas.

Table 0-2: Production (yield) of major cereals

Characterstics	Cereals					
	Barley	Maize	Sorghum	Wheat	Teff	Total
Tigrai	**3.99**	**5.59**	**4.54**	**4.65**	**3.75**	**4.14**
Woreda						
Tsimbila	2.60	4.45	4.57	16.00	3.46	0.94
Endabguna		4.00	2.00		0.71	6.32
Asgede		6.31	6.35		5.97	3.52
Tahtay Adyabo	0.82	2.20	3.54			4.92
Sheraro		3.10	4.95			2.69
Maekel Adyabo	8.85	1.13	2.73		0.35	3.22
Seymti Adyabo		4.06	3.12		2.48	3.84
Aidaero		4.55	5.79		1.89	6.00
tahtay Koraro		7.56	4.12		5.40	4.19
Shire Endaselassie		3.20	8.00		3.97	6.04
Zana		7.15	5.35	7.33	5.07	5.19
Laelay koraro		6.12	4.34		4.62	2.61
Chila		1.69	2.68		2.68	5.01
Tahtay maichew	5.33	5.08	6.09	4.66	4.47	3.49
Adet	0.39	3.60	4.32		3.20	3.71
Laelay Maichew	3.33	5.11	3.21	3.28	3.95	0.06
Axum town					0.06	4.70
Neader	1.94	5.61	3.27	6.00	5.17	7.65
Kola temben	3.50	6.81	9.47		7.16	2.47

Characterstics	Cereals					
	Barley	Maize	Sorghum	Wheat	Teff	Total
Abegele	0.77	2.97	2.60		1.94	3.28
Tanqua milash	1.76	2.74	3.67	9.30	2.45	8.81
Abiadi		10.40	4.00		6.19	7.71
Keyih tekli		9.08	4.88		7.33	3.71
Mai kinetal	2.25	4.65	4.00	3.25	2.84	12.33
Endabatsehama	1.73	24.95	12.08	15.69	9.85	4.19
Embasineyti	2.33	3.89	4.88	4.84	2.60	4.90
Hahayle	4.80	8.57	6.38	3.44	4.31	4.78
Wereda Adwa	3.88	3.77	5.72	5.72	4.20	1.00
Adwa town		1.00				4.39
Rama	0.00	2.42	5.04		1.13	5.46
Ahsea		3.20	5.81		3.31	5.17
Egela	1.45	3.77	6.07	4.12	5.16	4.72
Ahferom	4.95	2.73	5.37	5.07	4.09	5.53
Enticho town		0.08	8.63	3.67	3.71	5.22
Bizet	2.93	2.79	5.43	5.82	3.55	5.10
Gulomekeda	12.14	9.43	5.91	3.74	0.63	0.76
Erob	0.85	0.66		0.36		2.48
Subha sasei	2.89	1.76		2.79	0.97	0.95
Edaga hamus	0.98			0.96	0.00	1.68
Ganta afeshum	1.76	2.14		1.62	0.12	2.90
Adigrat	4.00			1.80		5.51
Wereda Hawzen	4.40	6.44	7.38	4.76	4.78	0.59
Hawzen	0.12			0.94	0.10	3.43
Tsaeda Emab	3.67	3.63	2.58	3.38	2.07	16.51
Freweini town	17.00			16.64	6.00	1.69
Atsbi	1.27	1.14	0.00	2.28	0.82	1.68
Atsbi town	2.68	1.50		0.87		2.71
Tsirae wemberta	1.45	7.22	4.77	2.46	1.95	4.58
Kilte Awlaelo	1.02	5.33	2.27	5.68	1.65	2.85
Gerealta	2.69	3.72	4.21	3.02	1.09	5.66
Degua temben	4.43	12.11	5.61	5.53	4.29	8.94

Characterstics	Cereals					
	Barley	Maize	Sorghum	Wheat	Teff	Total
Hagereselam	2.61	21.00	16.67	8.43	9.29	4.37
Enderta	4.50	4.74	5.09	4.18	3.16	5.85
Seharti	3.40	6.44	5.01	5.84	6.63	3.94
Samre	4.83	3.54	4.08	5.41	3.73	5.15
Hintalo	4.43	4.29	7.81	5.24	4.04	3.04
Adigudem	2.53		5.60	2.90	1.48	5.16
Wajirat	4.88	3.88	6.09	4.02	2.22	0.44
Ayder			0.16	0.40	0.54	5.10
Semen		0.20		10.00		5.39
Quiha	3.40			6.21	4.32	5.01
Hawelti	10.64			1.25	5.33	1.68
Adi Haki	1.05			2.23	6.00	3.10
Hadnet	1.49		4.00	2.75	3.94	5.94
Emba Alaje	3.56	7.07	18.44	7.43	3.42	5.82
Selewa	4.78	4.21	6.83	5.81	2.67	7.51
Bora	6.96	10.80	8.35	7.12	5.56	5.73
Neqsege	5.00	9.62	7.52	6.92	1.23	8.64
Enda mekoni	9.74	8.67	7.63	8.75	5.80	3.76
Maichew	5.97	1.14	5.32	2.89	4.44	3.39
Mekoni town	2.01	4.00	3.41	1.84	3.81	5.93
Raya Azebo	10.40	11.98	6.53	9.00	2.35	1.91
Raya Chercher	0.00	4.05	2.36	2.36	0.76	4.49
Tigrai	**3.99**	**5.59**	**4.54**	**4.65**	**3.75**	**4.14**

Table 0-3: Production (yield) of major pulses per hecatre

Characterstics	Pulses					
	Field peace	Harricot	Lentils	Fenugreek (qt	Soyabean	Total
Tigrai	**2.61**	**4.86**	**2.04**	**1.90**	**1.80**	**2.73**
Woreda						
Tsimbila	2.40		1.80	3.20		
Tahtay Adyabo	0.38					0.38
Sheraro	0.01					0.01
tahtay Koraro				4.80	4.00	4.57
Zana	2.64	0.00				2.36
Laelay koraro	2.75			4.00		2.88
Tahtay maichew	3.84		2.56			3.80
Adet	2.40	2.75				2.73
Laelay Maichew	3.70		2.00	1.00		2.10
Neader	0.25		1.05			0.73
Kola temben	0.04	6.69		1.74		6.09
Abegele		3.80	0.26			2.35
Tanqua milash	7.26		1.20			6.31
Keyih tekli		18.78				18.78
Endabatsehama		0.16	1.00			0.72
Hahayle	3.60		1.63			2.12
Wereda Adwa	4.10		1.60			3.00
Egela	3.33				1.60	3.09
Ahferom	2.51		2.40			2.46
Enticho town			0.80			0.80
Bizet	3.07		2.78			2.87
Gulomekeda	1.32		0.17			0.27
Subha sasei	1.19		1.56		0.20	1.06
Edaga hamus			1.00			1.00
Ganta afeshum	0.60		0.04			0.52
Wereda Hawzen	1.00	2.53		2.80		2.69
Tsaeda Emab	1.80			0.53		0.90

Characterstics	Pulses					
	Field peace	Harricot	Lentils	Fenugreek (qt	Soyabean	Total
Atsbi	0.14		1.16			0.20
Atsbi town	0.48		0.27			0.46
Tsirae wemberta	1.08		0.04	0.71		0.47
Kilte Awlaelo	0.46	0.80	0.30	1.88		1.09
Gerealta	2.13		0.92	0.00		1.04
Degua temben	3.42		2.75	2.58	4.00	3.01
Hagereselam	1.52	3.20	2.00			1.88
Enderta	2.50		2.53	3.05		2.72
Seharti	3.51	2.17	2.00			2.72
Samre	0.80	1.37	2.13			1.42
Hintalo	0.29		0.94			0.45
Adigudem				1.37		1.37
Wajirat	1.09		1.20			1.11
Quiha			2.50	4.00		3.00
Hadnet			1.01			1.01
Emba Alaje	1.98		0.72			1.73
Selewa	4.00		7.79			5.40
Bora	3.28		3.29			3.28
Neqsege	8.21	2.16	8.75			8.35
Enda mekoni	6.09		5.98			6.06
Maichew	0.00					0.00
Raya Azebo			12.00			12.00
Tigrai	**2.61**	**4.86**	**2.04**	**1.90**	**1.80**	**2.73**

According to Table 7.4 and based on data from 75 woredas of the region, the highest fertilizer usage in the North West Zone was recorded in Tahtay Koraro, Tsimbla, and Asgede woredas. Tahtay Koraro led in UREA consumption with 190.64 quintals, followed by Tsimbla with 178.81 quintals, and Asgede with 152.19 quintals. The lowest UREA usage was recorded in Adigrat Ketema, with only 10 kilograms.

In addition to UREA, other fertilizers were also used in significant quantities. Tsimbla utilized 177.92 quintal of DAP, Asgede used 172.52 quintal, and Tahtay Koraro used 164.13 quintal. Gulomekeda recorded the usage of 20.43 quintal of NPS. Overall, the highest total fertilizer consumption was in Tahtay Koraro, with 371.28 quintal, followed by Tsimbla with 357.73 quintal, and Asgede with 325.96 kg. In general, the region used 3,804.57 quintal of UREA, 3,221.67 quintal of DAP, and 75.46 quintal of NPS. In addition to that 0.78 quintal per hectare was used in all over the region.

Table 0-4: Fertilizer application

Characterstics	Fertilizer Type				
	UREA	DAP	NPS	Total	Total Input
Tigrai	**3,804.57**	**3,221.67**	**75.46**	**7,101.7**	**0.78**
Woreda					
Tsimbila	178.81	177.92	1	357.73	1.26
Endabguna	5.4	3.6	0	9	0.75
Asgede	152.19	172.52	1.25	325.96	0.94
Tahtay Adyabo	25.83	54.51	0	80.34	0.14
Sheraro	14.33	12.2	0	26.53	0.39
Maekel Adyabo	48.36	77.63	.25	126.24	0.52
Seymti Adyabo	70.04	96.09	.75	166.88	0.53
Aidaero	86.6	145.04	1.15	232.79	0.94
tahtay Koraro	190.64	164.13	16.51	371.28	1.48
Shire	8	5.35	.5	13.85	2.17
Zana	86.18	75.53	.89	162.6	0.88
Laelay koraro	58.75	53.24	.25	112.24	0.74
Chila	29.69	33.35	0	63.04	0.26
Tahtay maichew	58.17	45.95	.98	105.1	1.69
Adet	28.98	27.81	.7	57.49	0.63
Laelay Maichew	117.67	118.8	.5	236.97	1.32
Axum town	1	1	0	2	4.00
Neader	82.43	71.93	1.38	155.74	1.12
Kola temben	138.37	89.83	.5	228.7	1.46
Abegele	97.8	99.12	0	196.92	0.59

Characterstics	Fertilizer Type				
	UREA	DAP	NPS	Total	Total Input
Tanqua milash	94.83	70.62	1.5	166.95	0.91
Abiadi	21.96	21.28	0	43.24	2.51
Keyih tekli	129.18	120.79	.25	250.22	1.65
Mai kinetal	43.27	39.52	0	82.79	0.85
Endabatsehama	46.06	41.27	0	87.33	1.13
Embasineyti	51.33	50.12	0	101.45	1.29
Hahayle	38.46	32.46	.85	71.77	0.92
Wereda Adwa	99.15	73.62	0	172.77	1.47
Adwa town	.25	.25	0	.5	2.00
Rama	59.76	53.23	.5	113.49	1.32
Ahsea	57.2	16.66	0	73.86	0.63
Egela	57.79	80.75	.35	138.89	0.52
Ahferom	81.78	33.3	0	115.08	1.04
Enticho town	11.91	8.51	1.74	22.16	1.33
Bizet	27.84	23.16	0	51	0.75
Gulomekeda	54.58	51.47	20.43	126.48	0.66
Erob	4.22	2.1	0	6.32	0.34
Subha sasei	25.22	19.27	.1	44.59	0.67
Edaga hamus	8.55	7.16	0	15.71	1.54
Ganta afeshum	41.53	35.68	.5	77.71	0.63
Adigrat	.1	.1	.1	.3	0.30
Wereda Hawzen	126.53	114.59	.2	241.32	1.06
Hawzen	3.45	2.25	0	5.7	0.54
Tsaeda Emab	69.43	23.43	6.41	99.27	0.98
Freweini town	2.47	1.71	0	4.18	0.65
Atsbi	27.48	27.17	.5	55.15	0.74
Atsbi town	4.98	2.25	1	8.23	0.39
Tsirae wemberta	59.09	77.13	2	138.22	0.74
Wukro	0	0	0	0	
Kilte Awlaelo	91.64	62.91	0	154.55	1.12
Gerealta	61.97	52.57	.15	114.69	0.58
Degua temben	63.82	39.28	0	103.1	0.87

Characterstics	Fertilizer Type				
	UREA	DAP	NPS	Total	Total Input
Hagereselam	14.35	11.7	0	26.05	1.52
Enderta	48.19	46.38	0	94.57	0.46
Seharti	125.39	89.27	1.75	216.41	1.35
Samre	141.57	97.07	.75	239.39	0.98
Hintalo	109.99	50.95	1.25	162.19	1.20
Adigudem	23.05	23.8	1.1	47.95	1.13
Wajirat	31.61	12.77	0	44.38	0.34
Ayder	1.02	1	0	2.02	0.48
Semen	0	0	0	0	0.00
Quiha	26.74	9.97	1.25	37.96	0.86
Kedamay	0	0	0	0	
Hawelti	.5	1	0	1.5	0.44
Adi Haki	.5	.5	0	1	0.19
Hadnet	42.75	20.5	.75	64	2.19
Emba Alaje	64.66	27.71	2.05	94.42	1.07
Selewa	44.68	38.13	0	82.81	0.86
Bora	56.1	19.17	.37	75.64	0.81
Neqsege	39.03	8.05	0	47.08	0.36
Enda mekoni	72.71	41.68	0	114.39	1.04
Maichew	3.87	5.66	0	9.53	0.92
Mekoni town	1.12	1	0	2.12	0.08
Raya Azebo	6.96	3	3	12.96	0.05
Raya Chercher	4.71	2.2	0	6.91	0.02
Tigrai	**3,804.57**	**3,221.67**	**75.46**	**7,101.7**	**0.78**

7.2 Livestock Production

7.2.1 Households oxen ownership

Regional wise, from the agriculture participant households, about 53% have no ox, 31% have one ox, 13% have a pair of ox and 1% have more than pair of oxen. (See details in Table 7.5 below)

Table 0-5: Percentage of households oxen ownership by residence and woreda (Weighted)–TSES 2024

Characterstics	Have No ox	Have one ox	Have a pair of oxen	Have more than a pair of oxen	Weighted Total HHs
Total	**53.8**	**31.04**	**13.74**	**1.42**	**654,846**
Place of residence					
Urban	75.52	12.47	10.43	1.58	56,139
Rural	51.76	32.78	14.05	1.41	598,707
Woreda					
Tsimbila	21.73	33.48	39.57	5.22	13,759
Endabguna	63.3	20.02	16.68		666
Asgede	29.71	22.58	35.78	11.94	17,032
Tahtay Adyabo	38.62	28.06	30.64	2.68	24,125
Sheraro	92.76	2.34	4.51	0.4	1,872
Maekel Adyabo	50.19	22.72	22.78	4.31	5,224
Seymti Adyabo	47.23	35.35	16.73	0.69	9,513
Aidaero	36.51	36.9	24.46	2.13	24,323
tahtay Koraro	34.41	32.55	29.86	3.18	17,111
Shire Endaselassie	46.43	20.53	19.22	13.82	1,023
Zana	44.12	43.13	12.75		12,528
Laelay koraro	47.52	29.77	21.98	0.72	18,507
Chila	43.43	37.64	16.9	2.03	9,970
Tahtay maichew	62.13	28.79	9.08		10,766

Characterstics	Have No ox	Have one ox	Have a pair of oxen	Have more than a pair of oxen	Weighted Total HHs
Adet	72.69	20.33	5.79	1.19	8,145
Laelay Maichew	48.37	32.37	19.26		14,008
Axum town	34.34	65.66			157
Neader	72.8	25.05	1.94	0.21	10,239
Kola temben	55.97	35.87	8.16		17,643
Abegele	70.88	23.24	5.73	0.16	14,777
Tanqua milash	48.32	39.34	11.89	0.45	9,194
Abiadi	30.71	62.15	7.14		1,032
Keyih tekli	50.96	37.46	11.34	0.23	12,193
Mai kinetal	51.21	44.07	4.72		9,329
Endabatsehama	60.08	23.04	15.8	1.08	8,977
Embasineyti	67.74	23.75	7.17	1.34	8,682
Hahayle	64.7	28.72	6.31	0.27	12,728
Wereda Adwa	49.31	41.74	8.33	0.62	20,537
Adwa town	95.64		4.36		815
Rama	50.68	41.53	7.56	0.23	7,076
Ahsea	48.23	45.86	5.35	0.55	7,831
Egela	33.6	30.37	33.75	2.27	7,302
Ahferom	50.64	44.66	4.7		12,488
Enticho town	88.12	10.56	1.32		913
Bizet	61.81	36.9	1.3		4,850
Gulomekeda	61.28	30.93	7.79		8,070
Erob	88.72	11.28			3,301
Subha sasei	67.59	30.87	1.54		7,301
Edaga hamus	94.73	2.8		2.47	544
Ganta afeshum	76.92	21.87	1.22		16,203
Adigrat	100				528
Wereda Hawzen	49.66	36.49	13.29	0.56	16,454
Hawzen	80.87	19.13			604
Tsaeda Emab	61.99	32.7	4.1	1.21	11,984
Freweini town	91.38	2.32	6.3		540
Atsbi	76.47	23.53			9,953

Characterstics	Have No ox	Have one ox	Have a pair of oxen	Have more than a pair of oxen	Weighted Total HHs
Atsbi town	91.97	8.03			980
Tsirae wemberta	58.88	26.11	14.21	0.79	14,208
Wukro	78.76	21.24			197
Kilte Awlaelo	53.24	37.3	8.84	0.62	14,378
Gerealta	44.83	43.18	11.99		9,228
Degua temben	68.42	27.24	3.74	0.6	11,628
Hagereselam	87.93	6.55	4.01	1.51	526
Enderta	54.44	38.75	6.81		36,686
Seharti	55.58	33.65	9.08	1.69	16,403
Samre	44.81	39.5	12.73	2.97	10,627
Hintalo	53.96	35.23	10.63	0.19	19,745
Adigudem	97.82	1.46	0.73		1,276
Wajirat	40.33	30.91	26.07	2.69	8,517
Ayder	70.38	24.81	4.81		482
Semen	92.78			7.22	836
Quiha	57.24	18.64	23.45	0.67	1,173
Kedamay Weyane	100				44
Hawelti	80.63	19.37			721
Adi Haki	77.03	3.17	13.45	6.34	622
Hadnet	54.91	13.66	31.44		4,925
Emba Alaje	77.42	17.53	5.05		7,135
Selewa	55.95	38.14	5.91		7,048
Bora	50.63	23.19	20.87	5.31	5,252
Neqsege	66.21	29.26	4.53		6,205
Enda mekoni	68.16	17.68	14.17		12,997
Maichew	86.1	7.17	6.74		1,046
Mekoni town	79.2		14.63	6.16	5,032
Raya Azebo	54.45	18.18	22.06	5.32	19,013
Raya Chercher	44.6	23.86	29.02	2.52	7,102
Total	**53.8**	**31.04**	**13.74**	**1.42**	**654,846**

7.2.2 Livestock holding

In 75 Woreda of the total livestock holder households, have oxen (46%), poultries (27%), cow (26%), donkey (21%), goat(14%), calves(8%), sheep(6%), heifer(3%), young bull(3%), camel(1%), beehive(1%), mule(0.24%) and horse(0.03%).

Table 0-6: Percentage of households Livestock holding by residence and woreda-TSES 2024

Characterstics	Type of livestock												
	Ox	Young Bulls	Cow	Heifers	Calve	sheep	Goat	Horse	camel	Mule	donkey	Beehive	Poultries
Total	**46.20**	**3.26**	**26.75**	**3.67**	**8.46**	**6.61**	**14.39**	**0.03**	**1.54**	**0.24**	**21.03**	**1.32**	**27.03**
place of residence													
urban	24.48	1.16	19.97	1.92	3.71	7.40	3.15	0.35	0.52	0.47	12.13	0.18	15.29
Rural	48.24	3.45	27.38	3.84	8.91	6.53	15.44	0	1.63	0.21	21.87	1.43	28.13
Woreda													
Tsimbila	78.27	3.52	44.97	2.71	8.38	4.26	21.08	0	1.02	0.00	26.12	2.00	28.62
Endabguna	36.70		37.43			3.33		0		0.00	10.01	10.01	26.80
Asgede	70.29	15.59	61.75	11.58	20.26	5.58	45.45	0	11.69	0.00	54.22	2.08	47.84
Tahtay Adyabo	61.38	3.50	49.41	11.74	15.51	8.08	32.08	0	15.14	0.00	47.82	1.10	41.97
Sheraro	7.24		21.11		3.97	0.80	0.80	0	0.80	0.00	18.85		12.45
Maekel Adyabo	49.81	1.95	34.65	1.31	1.22	3.56	17.54	0	1.89	0.00	18.27	0.46	11.50
Seymti Adyabo	52.77	1.31	35.32	3.15	8.86	4.15	10.67	0	5.32	0.00	34.49	0.16	19.97
Aidaero	63.49	1.71	42.77	3.65	13.66	0.76	18.66	0	4.37		25.54	0.80	22.06
tahtay Koraro	65.59	9.51	43.94	9.23	24.68	2.76	10.66	0	1.06	0.14	19.98	6.75	37.13
Shire	53.57		19.22					0		0.00			11.06
Zana	55.88	7.35	39.71	10.51	17.85	4.80	28.06	0	1.27	0.00	14.10	2.16	23.55
Laelay koraro	52.48	11.78	26.83	5.11	12.76	4.28	17.72	0	3.53	0.00	14.29	2.42	37.14
Chila	56.57	1.69	21.22	1.58	4.92	2.33	22.59	0	2.23	0.00	13.29		22.02
Tahtay maichew	37.87		11.94	0.62	0.74	6.55	17.64	0	0.56	0.00	9.90	0.53	22.21
Adet	27.31	0.56	7.75	0.71	1.03	3.58	11.71	0		0.00	1.16		9.22

Characterstics	Type of livestock												
	Ox	Young Bulls	Cow	Heifers	Calve	sheep	Goat	Horse	camel	Mule	donkey	Beehive	Poultries
Laelay Maichew	51.63	0.38	14.79	0.68	5.92	6.44	17.72	0	0.29	0.00	15.68	2.04	25.70
Axum town	65.66						65.66	0	0.00	0.00	65.66		
Neader	27.20	0.39	18.14	0.87	3.68	3.18	17.49	0	0.00		5.24		19.10
Kola temben	44.03	1.91	25.31	2.47	10.16	6.85	25.48	0	0.00		17.01	2.14	46.50
Abegele	29.12	4.32	28.95	3.80	11.23	24.75	25.43	0	0.00	0.24	53.98	2.09	45.18
Tanqua milash	51.68	3.01	23.43	2.91	11.87	11.75	20.57	0	0.00		29.76	1.19	60.28
Abiadi	69.29	5.66	11.56			0.49	6.16	0			24.37		9.11
Keyih tekli	49.04	1.47	27.73	2.32	8.41	9.86	26.14	0	0.63		21.29	0.94	44.23
Mai kinetal	48.79	3.33	12.35	0.76	2.39	4.92	25.32	0	0.00		14.45	0.67	50.72
Endabatsehama	39.92	0.89	28.25	7.33	8.26	2.67	19.10	0	0.00		14.36	2.99	42.83
Embasineyti	32.26		19.56	3.12	9.61	10.06	15.51	0	0.00		16.61		33.91
Hahayle	35.30	1.74	8.66	3.20	3.18	0.74	11.96	0	0.00		3.68	0.62	10.31
Wereda Adwa	50.69	2.33	18.25	3.63	5.22	3.87	21.06	0	0.00		15.31	3.37	45.59
Adwa town	4.36		4.49			14.73	5.48	0	0.00				63.74
Rama	49.32		20.55	1.31	6.74	17.07	23.33	0			17.49	1.31	26.50
Ahsea	51.77	1.94	20.46	2.14	2.49	1.26	18.12	0	0.52		6.67	0.87	6.66
Egela	66.40	0.25	35.12	2.35	2.02	3.62	29.62	0	2.55		21.64	0.51	33.78
Ahferom	49.36	0.62	18.87	2.21	7.85	1.82	12.40	0			15.49	2.25	19.34
Enticho town	11.88		17.76		12.01	7.70	8.03	0	0.00	1.55	11.87	1.32	28.42
Bizet	38.19		17.21	0.26	3.87	11.05	23.27	0	0.00	0.00	25.95	1.15	38.92
Gulomekeda	38.72	1.54	12.45	1.18	6.81	5.64	3.80	0	0.00		13.22	1.48	16.23
Erob	11.28	5.67	27.33	6.66	8.34	24.59	18.55	0	0.00		22.07	0.85	33.41
Subha sasei	32.41	2.52	19.17	2.83	6.03	15.02	12.33	0	0.00		17.51	2.05	33.61
Edaga hamus	5.27		31.49			25.67		0	0.00				16.51
Ganta afeshum	23.08	4.72	26.18	4.89	12.62	18.07	4.74	0	0.00		22.12	0.79	36.90
Adigrat			26.73		11.20	16.19		0	0.00				31.06
Wereda Hawzen	50.34	3.31	34.22	7.90	9.05	16.77	12.62	0	0.00		26.16	4.51	45.69
Hawzen	19.13	2.39	14.35		4.78	11.96		0	0.00				18.34
Tsaeda Emab	38.01	2.06	25.37	4.05	10.31	23.59	3.84	0	0.00		19.78	2.30	31.54
Freweini town	8.62		10.20		7.88	13.67		0	0.00		6.30	3.89	14.90

Characterstics	Type of livestock												
	Ox	Young Bulls	Cow	Heifers	Calve	sheep	Goat	Horse	camel	Mule	donkey	Beehive	Poultries
Atsbi	23.53	1.62	24.98	1.38	5.91	21.35	4.17	0	0.00		19.97	0.56	29.04
Atsbi town	8.03		11.79		3.39	18.30		0	0.00		3.39		26.06
Tsirae wemberta	41.12	12.55	24.12	4.74	11.40	2.28	4.01	0	0.00	2.52	43.90	0.59	25.17
Wukro	21.24		100.00					0					
Kilte Awlaelo	46.76	1.57	29.27	3.74	8.30	7.89	3.68	0			21.12	0.15	14.68
Gerealta	55.17	1.90	26.14	3.73	11.11	2.35	13.18	0			38.55	2.29	43.44
Degua temben	31.58	4.55	18.70	7.39	7.68	1.54	11.99				20.24	2.05	30.62
Hagereselam	12.07		18.72	1.45	1.51	2.47	3.12	1.45			18.20		34.22
Enderta	45.56	3.47	18.65	1.82	2.12	1.75	3.22				31.30	0.22	12.03
Seharti	44.42	0.89	22.32	1.08	3.61	1.35	6.72				10.63		7.60
Samre	55.19	1.48	26.72	1.80	7.79	4.05	9.00				25.16	0.48	7.85
Hintalo	46.04	0.67	13.89	0.21	2.04	2.08	1.08				5.08	0.35	10.53
Adigudem	2.18	1.19	2.58		1.63	2.58	4.92	1.11			1.63		21.06
Wajirat	59.67	4.83	37.81	1.62	4.41	2.86	18.40				32.37	0.69	20.50
Ayder	29.62		9.62								20.00		29.62
Semen	7.22		8.93			8.93	20.16						58.69
Quiha	42.76	1.55	27.90		0.67						21.98		13.03
Kedamay Weyane			73.69										26.31
Hawelti	19.37		19.37				10.81						42.31
Adi Haki	22.97		10.28		10.28						29.31		65.46
Hadnet	45.09		28.11	8.19	13.66	1.76		2.73		0.00	25.38		18.78
Emba Alaje	22.58	1.62	12.71		2.62	6.33	1.59				2.68		9.36
Selewa	44.05	1.99	21.54	1.12	6.53	9.98	6.08			0.33	22.34		17.68
Bora	49.37	2.55	23.17	0.90	6.24	2.38	11.26				8.54	0.66	6.59
Neqsege	33.79	1.72	16.03	0.53	4.35	4.24	3.91				3.91		3.11
Enda mekoni	31.84	0.56	18.09	2.29	3.71	5.10	4.07				12.18	0.28	5.11
Maichew	13.90		21.46		3.75	10.92	1.28	3.71			1.28		20.50
Mekoni town	20.80	5.39	16.16		2.31	21.52	2.31			2.31			9.22
Raya Azebo	45.55	4.11	34.95	5.59	11.76	6.45	8.09		2.38	5.13	7.31	1.40	18.88
Raya Chercher	55.40	1.78	44.97	1.13	24.66	4.33	5.30		7.50		12.38		24.19

Characterstics	Type of livestock												
	Ox	Young Bulls	Cow	Heifers	Calve	sheep	Goat	Horse	camel	Mule	donkey	Beehive	Poultries
Total	**46.20**	**3.26**	**26.75**	**3.67**	**8.46**	**6.61**	**14.39**	**0.03**	**1.54**	**0.24**	**21.03**	**1.32**	**27.03**

7.2.3 Livestock holding in Average monetary value

In this survey information in the current market selling price of livestock in each type of animal was collected. Regionally, on average, a livestock owner possesses approximately 306166 Eth Birr in the form of livestock with 329959 Eth Birr for urban and 246044 for rural resident holders. About 39% of livestock value belongs to cattle followed by horse (20%), camel (18%) and mule (14%). (see details in table 7.7 below)

Table 0-7. Livestock holding in Average monetary value by residence and woreda

Characterstics	Average value of livestock by type of animal													
	oxen	young bull	cow	Heifer	calve	sheep	goat	horse	camel	mule	donkey	beehive	poultries	Total value
Total	**34345.6**	**28042.2**	**27138.0**	**20919.6**	**9447.0**	**5183.6**	**6195.2**	**61522.6**	**57217.1**	**45476.9**	**6967.2**	**3114.3**	**596.8**	**306166**
Type of residence														
urban	44922.6	36502.7	45803.0	31540.4	10250.2	5496.5	10763.8	61522.6	43125.1	27178.4	7253.2	4653.1	947.2	**329959**
Rural	33842.3	27775.6	25858.5	20420.0	9415.6	5150.7	6107.8	0.0	57636.3	49209.9	6952.4	3096.4	578.7	**246044**
Woreda														**0**
Tsimbila	39227.7	19286.1	25302.8	17332.7	8395.1	5994.5	6550.7	0.0	47386.5	0.0	6517.5	3071.9	514.9	**179581**
Endabguna	36363.6		64614.1			5000.0		0.0		0.0	17000.0	5000.0	538.0	**128516**
Asgede	39862.2	27780.2	27578.5	21990.3	8113.1	4815.1	5674.6	0.0	58595.0	0.0	7407.6	2472.3	518.8	**204808**
Tahtay Adyabo	47129.0	33633.6	36506.6	25099.4	12775.4	6418.8	7043.4	0.0	58707.7	0.0	10958.4	8076.5	602.3	**246951**
Sheraro	44511.0		47537.8		18539.4	3500.0	5950.0	0.0	62500.0	0.0	10379.2		1002.1	**193919**
Maekel Adyabo	45619.6	31908.1	44251.1	23863.4	16000.0	5077.0	18515.3	0.0	43492.8	0.0	10253.0	4000.0	637.2	**243618**
Seymti Adyabo	41009.0	24362.8	31461.2	20047.4	14378.3	5248.4	4745.0	0.0	53513.9	0.0	7750.8	800.0	593.7	**203911**
Aidaero	31871.2	20436.2	26316.2	14149.4	6190.1	5000.0	4594.8	0.0	43914.7	0.0	7517.2	1450.3	471.0	**161911**
tahtay Koraro	36070.3	38773.5	28453.1	21224.0	8136.1	3158.7	5373.4	0.0	34747.1	20000.0	7879.5	3048.7	492.7	**207357**
Shire Endaselassie	43489.5		33357.4					0.0		0.0			617.9	**77465**
Zana	34121.6	33908.2	29884.8	24008.6	7897.0	4142.6	5335.7	0.0	49244.3	0.0	7871.5	4916.7	939.7	**202271**
Laelay koraro	39865.6	36504.2	36709.5	26271.2	9833.7	5417.3	5554.4	0.0	57477.6	0.0	7306.6	2162.7	452.2	**227555**
Chila	33942.5	34323.0	25562.8	18495.2	9571.8	6217.3	5922.6	0.0	58748.3	0.0	6356.3		577.9	**199718**
Tahtay maichew	38052.1		24030.5	20000.0	2000.0	4953.0	5515.3	0.0	80000.0	0.0	6929.9	4000.0	541.4	**186022**

Characterstics	Average value of livestock by type of animal													
	oxen	young bull	cow	Heifer	calve	sheep	goat	horse	camel	mule	donkey	beehive	poultries	Total value
Adet	32595.8	37500.0	19262.7	29318.2	8909.1	3316.7	16178.3	0.0		0.0	5484.0		832.1	**153397**
Laelay Maichew	41714.0	30000.0	27400.7	12711.5	11496.2	4661.8	5468.8	0.0	5000.0	0.0	7675.4	4106.9	545.9	**150781**
Axum town	50000.0						4000.0	0.0	0.0	0.0	4000.0			**58000**
Neader	36359.1	40000.0	26988.6	37500.0	28634.1	7709.2	5318.8	0.0	0.0	0.0	8598.1		817.8	**191926**
Kola temben	31155.2	18875.1	19507.1	22508.1	6488.7	2902.9	4293.1	0.0	0.0	0.0	7538.6	1532.7	340.2	**115142**
Abegele	25240.2	17063.7	18258.8	13911.6	5302.4	4714.7	6724.3	0.0		18945.7	5487.7	1235.9	386.6	**117271**
Tanqua milash	28748.8	18506.5	20354.9	14529.0	9499.4	4049.3	9049.1	0.0		0.0	6229.2	2567.3	418.1	**113952**
Abiadi	25437.1	4000.0	20000.0			15000.0	10399.4	0.0		0.0	3042.5		500.0	**78379**
Keyih tekli	27454.5	13752.9	19930.4	16089.8	10714.2	3629.4	4201.5	0.0	43143.8	0.0	4963.4	1539.2	416.2	**145835**
Mai kinetal	29211.9	31506.5	23137.6	18973.9	11359.5	4130.0	4207.1	0.0		0.0	6379.3	1308.9	392.0	**130607**
Endabatsehama	33407.0	28313.0	14076.2	5981.8	5013.6	21741.3	21381.0	0.0	0.0	0.0	5786.5	3498.9	1494.0	**140693**
Embasineyti	28375.1		24573.3	14735.1	9684.5	4892.2	7481.5	0.0	0.0	0.0	5068.0		744.3	**95554**
Hahayle	35764.3	23975.4	25792.5	48294.6	10375.9	3623.6	4515.1	0.0		0.0	5633.3	2000.0	432.7	**160407**
Wereda Adwa	34162.6	18231.7	31211.8	17589.3	13268.5	4276.4	7307.0	0.0		0.0	5975.5	2841.2	587.0	**135451**
Adwa town	40000.0		25000.0			6389.5	5000.0	0.0	0.0	0.0			430.8	**76820**
Rama	31884.5		25552.6	22500.0	12194.9	3490.0	3895.7	0.0		0.0	12197.3	1600.0	419.9	**113735**
Ahsea	28900.5	25887.8	19218.9	16360.8	11337.2	10280.5	7070.3	0.0	2500.0	0.0	6303.2	2153.2	883.6	**130896**
Egela	42960.4	40000.0	33787.3	22833.0	13766.6	4925.8	6393.3	0.0	69001.3	0.0	6643.8	5000.0	610.4	**245922**
Ahferom	37480.2	28664.4	28407.4	22116.9	11014.2	7437.9	5690.1	0.0	0.0	0.0	7499.1	3232.6	601.6	**152144**
Enticho town	29444.4		35356.5		9617.3	3132.2	4260.9	0.0	0.0	30000.0	4222.7	3000.0	689.2	**119723**
Bizet	28322.8		21991.8	30000.0	6020.5	7111.0	5731.9	0.0	0.0	0.0	6018.3	1625.7	697.7	**107520**
Gulomekeda	25052.8	26221.1	18156.2	25333.3	5159.3	3015.8	2732.2	0.0	0.0	0.0	4843.1	1898.6	640.4	**113053**

Characterstics	Average value of livestock by type of animal													
	oxen	young bull	cow	Heifer	calve	sheep	goat	horse	camel	mule	donkey	beehive	poultries	Total value
Erob	23678.0	19310.5	17113.7	13980.4	6053.9	3709.1	4278.8	0.0	0.0	0.0	5078.3	2600.0	658.6	**96461**
Subha sasei	21882.8	19433.0	17670.7	13834.3	6124.2	3139.2	3620.0	0.0	0.0	0.0	5615.0	3423.4	588.5	**95331**
Edaga hamus	34678.8		40401.2			3481.6		0.0	0.0	0.0			685.3	**79247**
Ganta afeshum	31804.5	25203.7	25858.7	20362.6	6599.2	7548.2	4206.9	0.0	0.0	0.0	4117.2	3000.0	995.2	**129696**
Adigrat	0.0		311489.4		8000.0	8000.0		0.0	0.0	0.0			800.0	**328289**
Wereda Hawzen	34355.9	23915.5	27092.9	21149.8	9577.0	3867.7	4635.1	0.0	0.0	0.0	7304.1	1908.1	713.9	**134520**
Hawzen	32375.0	20000.0	22500.0		10000.0	4666.7		0.0	0.0	0.0			686.9	**90229**
Tsaeda Emab	36959.4	23235.3	28475.8	17799.0	16030.1	8300.9	4547.8	0.0	0.0	0.0	6838.2	3016.0	826.4	**146029**
Freweini town	49010.8		40108.2		14105.3	2798.2		0.0	0.0	0.0	4867.6	4500.0	358.6	**115749**
Atsbi	21264.1	17743.6	17773.5	14484.6	9055.4	4495.5	8914.3	0.0	0.0	0.0	4068.2	2000.0	657.8	**100457**
Atsbi town	22672.9		30100.0		10888.6	3575.9		35000.0	0.0	0.0	7547.0		599.0	**110383**
Tsirae wemberta	38567.5	30522.6	32660.0	17540.1	5892.4	4506.5	6048.5	0.0	0.0	38062.5	8969.6	7403.0	1022.7	**191195**
Wukro	50000.0		49415.1					0.0	0.0	0.0			0.0	**99415**
Kilte Awlaelo	24451.4	16821.8	19911.4	15265.6	8898.5	4190.1	3686.2	0.0	0.0	0.0	5077.2	3000.0	544.4	**101847**
Gerealta	28518.3	21225.0	19201.2	14968.1	8012.7	5226.9	4395.1	0.0	0.0	0.0	4833.5	10665.7	482.1	**117529**
Degua temben	27667.5	28299.8	21872.2	17999.1	9838.5	10960.2	5139.0	0.0	0.0	0.0	5554.9	2185.8	493.4	**130010**
Hagereselam	62483.4		91454.2	20000.0	20000.0	4000.0	175513.2	10000.0	0.0	0.0	3802.9		458.0	**387712**
Enderta	29449.4	22403.3	20962.1	15935.4	7301.8	3494.0	3053.8		0.0	0.0	5534.6	3000.0	409.8	**111544**
Seharti	22786.4	2250.0	17051.2	13601.7	9443.2	3714.0	3592.2		0.0	0.0	6598.1		354.6	**79391**
Samre	24065.7	17671.8	16130.3	23977.3	8583.0	3224.7	4117.9		0.0	0.0	8390.6	800.0	568.6	**107530**
Hintalo	25895.9	20215.3	20969.1	15000.0	9910.6	8154.5	10444.6		0.0	0.0	3982.1	7000.0	483.0	**122055**
Adigudem	40000.0	20000.0	25000.0		10000.0	2685.2	4708.3	35000.0	0.0	0.0	10000.0		527.5	**147921**

Characterstics	Average value of livestock by type of animal													
	oxen	**young bull**	**cow**	**Heifer**	**calve**	**sheep**	**goat**	**horse**	**camel**	**mule**	**donkey**	**beehive**	**poultries**	**Total value**
Wajirat	27226.9	20201.8	19039.3	17660.4	8789.6	4583.1	4568.2		0.0	0.0	4931.5	3988.2	584.4	**111573**
Ayder	33929.3		25000.0						0.0	0.0	11153.4	0.0	616.2	**70699**
Semen	20000.0		86029.4			4750.0	19792.5		0.0	0.0		0.0	1388.3	**131960**
Quiha	46120.5	25000.0	38608.7		10000.0				0.0	0.0	7464.8	0.0	722.9	**127917**
Kedamay Weyane	0.0		25000.0						0.0	0.0		0.0	500.0	**25500**
Hawelti	22209.1		15581.8				1500.0		0.0	0.0		0.0	552.7	**39844**
Adi Haki	48466.0		25000.0		5000.0				0.0	0.0	8216.5	0.0	3067.2	**89750**
Hadnet	69890.3		56239.1	47666.7	11400.0	7000.0		80000.0	0.0	0.0	10000.0	0.0	1565.0	**283761**
Emba Alaje	30995.0	25000.0	27132.0		10649.5	4946.4	7245.0		0.0	0.0	5023.8	0.0	504.2	**111496**
Selewa	28160.3	20451.5	22296.8	9714.4	5839.9	4422.2	5017.8		0.0	25000.0	6035.3	0.0	405.1	**127343**
Bora	27019.8	18350.5	18251.8	17640.8	6916.0	4324.9	5653.6		0.0	0.0	5070.2	3000.0	279.6	**106507**
Neqsege	24813.5	16377.3	19198.4	10941.2	12061.1	4608.7	4263.0		0.0	0.0	6186.9	0.0	553.3	**99003**
Enda mekoni	32072.8	23294.9	26623.9	23119.6	18006.5	5337.3	6102.9		0.0	0.0	5755.8	2000.0	529.1	**142843**
Maichew	51745.5		101071.1		13039.6	4683.0	7000.0	27581.9	0.0	0.0	8000.0		921.2	**214042**
Mekoni town	71317.8	66626.5	49054.7		1500.0	5589.0	5000.0		0.0	35000.0			252.5	**234340**
Raya Azebo	41744.2	26287.1	31969.6	22060.8	12785.1	5236.7	6919.8	0.0	100700.3	51744.7	8387.7	2957.2	505.4	**311298**
Raya Chercher	43353.8	29146.3	36326.7	29554.0	13074.6	6050.4	11383.8	0.0	52428.5	0.0	7546.3	0.0	479.7	**229344**
Total	**34345.6**	**28042.2**	**27138.0**	**20919.6**	**9447.0**	**5183.6**	**6195.2**	**61522.6**	**57217.1**	**45476.9**	**6967.2**	**3114.3**	**596.8**	**306166**

7.2.4 Livestock disease occurrence

Table 7-8 presents the occurrence of livestock illness in types of animals. the regional estimates indicated that new castle is highly occurred (3%).

Table 0-8: Livestock disease occurrence by residence and woreda- TSES 2024

Characterstics	Livestock illness									
	Anthrax	pestes petits ruminants (PPR)	Foot and mouth disease	Oven pasrolosis	blackleg	Equine anthrax	epizootic	cosidoxis	Newcastle	Other
Total	**0.55**	**0.50**	**0.36**	**0.72**	**0.36**	**0.46**	**0.05**	**0.57**	**3.03**	**1.23**
Type of residence										
urban	0.08	0.06	0.02	0.03	0.04	0.08	0.02	0.05	0.42	0.22
Rural	0.90	0.83	0.61	1.23	0.60	0.74	0.08	0.96	4.98	1.98
Woreda										
Tsimbila	1.31	0.77	0.52	0.66	1.56	0.52		2.00	8.40	4.67
Endabguna	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.08	
Asgede	3.29	4.17	0.64	0.16	1.73	1.36			13.69	3.50
Tahtay Adyabo	1.52	0.38	2.43	2.57	1.60	1.25	0.46	3.46	6.61	1.72
Sheraro	0.38		0.31	0.31		0.31				
Maekel Adyabo	1.69	2.44	0.35	0.96	0.17	0.61		0.30	1.38	0.30
Seymti Adyabo	1.39	4.25			0.62			0.31	1.40	0.86
Aidaero	1.26	1.71	0.59	2.77	3.73	0.82	0.09	1.23	5.87	4.09
tahtay Koraro	1.60	1.09	1.05	1.92	0.57	0.93		0.50	12.92	1.63
Shire Endaselassie	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Zana		0.82		0.39	0.57	0.70	0.00	1.32	5.72	0.67
Laelay koraro	1.04	2.03		1.01		0.65	0.00	1.46	4.34	0.87
Chila	1.81	0.60	0.23	0.20	0.32	0.26	0.00			0.20
Tahtay maichew	0.42	0.00		0.58	0.21		0.00	0.42	0.12	0.47
Adet	0.72	0.00	0.91	0.24			0.00	0.57	0.21	0.20
Laelay Maichew	0.54	0.00		4.87	0.29	0.29	0.00	0.38	2.59	0.72
Axum town		0.00	0.00				0.00	0.43		
Neader	0.82	0.00	0.00	0.16		0.54	0.00	0.97	3.11	0.78
Kola temben	0.60	0.32	0.42	3.10	0.75	4.98	0.00	0.60	4.73	2.30

Characterstics	Livestock illness									
	Anthrax	pestedes petits ruminants (PPR)	Foot and mouth disease	Oven pasrolosis	blackleg	Equine anthrax	epizootic	cosidoxis	Newcastle	Other
Abegele	0.85	1.14	2.73	0.90	0.05	0.36	0.20	3.05	15.02	3.78
Tanqua milash	0.32	2.63	0.20	0.93	0.46	0.94	0.64	0.53	13.37	3.42
Abiadi	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18
Keyih tekli	0.41	0.94	0.49	3.00	0.17	0.07	0.00	0.07	6.84	2.10
Mai kinetal	0.35	0.71		3.02	0.35	0.42	0.00	3.01	11.08	0.23
Endabatsehama	0.20			1.43		0.28	0.00		7.08	0.44
Embasineyti	0.56	1.08	0.36	0.66	0.15	0.27	0.42	0.14	2.53	0.87
Hahayle	1.32		0.39	1.45	0.16		0.00	0.23	0.61	0.61
Wereda Adwa	1.21	0.30	1.13	0.81		0.29	0.00	4.30	4.06	3.51
Adwa town	0.00	0.00	0.00	0.00	0.00	0.00	0.00		1.28	0.29
Rama	0.79	0.26	0.26	0.63	0.37	0.26	0.26	0.57	3.55	0.31
Ahsea	1.06	0.77	0.50	0.81		0.55		1.89	0.69	1.79
Egela	3.82		1.45	3.68	0.64	2.09		0.56	4.92	5.22
Ahferom	0.22	0.71			1.00	0.36	0.32	0.32	3.40	2.04
Enticho town	0.21			0.47			0.21	0.62	0.23	0.40
Bizet	1.94	0.18	0.64	3.50	0.24	0.80		1.04	3.86	2.62
Gulomekeda				0.38	0.70	0.80	0.23	0.23	3.17	0.62
Erob		0.25	1.31	0.25	0.40	0.50		1.23	1.30	3.66
Subha sasei		0.34	0.51	0.76	0.22	2.12		0.19	5.85	2.45
Edaga hamus	0.24			0.00						0.08
Ganta afeshum	0.62	0.56	0.26	0.00	0.15	0.47	0.23	0.70	5.47	1.46
Adigrat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Wereda Hawzen	1.62	1.26	0.00	2.79	1.56	0.34		0.55	8.06	2.21
Hawzen			0.00	0.00	0.00	0.00	0.00	0.37	0.00	0.00
Tsaeda Emab	1.00	0.21	0.00	0.00	0.00			0.00	1.67	0.85
Freweini town			0.00	0.00	0.00			0.00	0.38	1.53
Atsbi		0.28	0.00	0.00	0.00	1.78	0.22	0.00	2.48	3.40
Atsbi town		0.27	0.00	0.00	0.00	0.61	0.00	0.00	0.46	0.27
Tsirae wemberta	0.41	0.96	0.00	0.00	0.22	0.22	0.00	0.00	2.34	2.79
Wukro			0.00	0.00	0.00		0.00	0.00		

Characterstics	Livestock illness									
	Anthrax	pestedes petits ruminants (PPR)	Foot and mouth disease	Oven pasrolosis	blackleg	Equine anthrax	epizootic	cosidoxis	Newcastle	Other
Kilte Awlaelo			0.00	0.46	0.00		0.00	0.00	0.74	1.88
Gerealta	1.32	0.80	1.08	0.18	0.73	1.67	0.00	1.26	3.83	3.86
Degua temben		0.24	0.50	1.43	0.00	0.93	0.06	0.95	4.70	4.13
Hagereselam	1.17		0.26		0.00	0.37	0.00		1.00	
Enderta		0.26	1.48	0.63		0.85	0.00	0.59	0.99	0.38
Seharti		0.47			0.32	0.30	0.00		0.16	0.33
Samre	0.23		0.23	2.46		0.55	0.00	0.80	3.03	0.41
Hintalo	1.41	0.33	0.15	0.15		0.32	0.14	0.63	1.98	1.23
Adigudem	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Wajirat	1.16	0.51	0.39	0.58	0.89	0.32	0.32	2.13	2.30	2.52
Ayder		0.09			0.00		0.00	0.00		0.09
Semen	0.13	0.00		0.13	0.00		0.00	0.00		
Quiha	0.06	0.00	0.13	0.00	0.00	0.51	0.00	0.00	0.17	0.28
Kedamay Weyane	0.00	0.00	0.00	0.00	0.00		0.00	0.00		
Hawelti	0.00	0.00	0.00	0.00	0.00		0.00	0.00		0.24
Adi Haki	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.26	
Hadnet	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.60	
Emba Alaje	0.00	0.00	0.00	0.00	0.00		0.00	0.00		0.34
Selewa	0.00	0.19	0.19	0.00	0.00	0.58	0.00	0.00	3.07	1.53
Bora	1.18	1.66	2.59	0.00	0.00	0.65	0.00	0.00	3.31	0.17
Neqsege	0.72	0.00	0.00	0.53	0.00	0.22	0.00	0.00	0.74	0.86
Enda mekoni	0.00	0.00	0.00	0.27	0.00		0.00	0.00	0.44	0.41
Maichew	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.14	
Mekoni town	0.00	0.50		0.00	0.25	0.25	0.00	0.00	1.09	0.50
Raya Azebo	0.20	0.30	0.95	0.43	0.89	0.66	0.00	0.30	5.94	3.04
Raya Chercher	0.64	0.15		0.00		0.19	1.02	0.53	5.01	4.07
Total	**0.55**	**0.50**	**0.36**	**0.72**	**0.36**	**0.46**	**0.05**	**0.57**	**3.03**	**1.23**

7.2.5 Average expense for Livestock production

In total from the households who participated in animal production, about 19% incurred expenses for livestock production in the past four months.

Table 0-9: Average expense for Livestock production in four months by place of residence and woreda (of the total participated in animal production)-TSES-2024

Characterstics	Expenses for livestock production in the past 4 months (%)		Average expense in 4months for livestock production			
	YES	NO	Mean	Std. err.	[95% conf.	interval]
Total	**19.73**	**80.27**	**4570.747**	**283.2086**	**4015.308**	**5126.186**
Place of residence						
Urban	37.13	62.87	9067.22	1746.64	5641.66	12492.79
Rural	18.45	81.55	3903.19	178.23	3553.64	4252.74
Woreda						
Tsimbila	12.75	87.25	3855.54	1139.43	1620.85	6090.22
Endabguna	17.46	82.54	44204.08	34926.33	24294.67	112702.80
Asgede	25.51	74.49	6192.83	810.11	4604.01	7781.64
Tahtay Adyabo	32.99	67.01	4006.75	876.27	2288.18	5725.32
Sheraro	10.39	89.61	22616.21	4096.09	14582.81	30649.61
Maekel Adyabo	8	92.00	1298.42	417.89	478.84	2118.00
Seymti Adyabo	10.7	89.30	972.16	446.52	96.43	1847.89
Aidaero	10.37	89.63	11335.81	4709.34	2099.68	20571.95
tahtay Koraro	28.22	71.78	2466.85	346.13	1788.01	3145.70
Shire Endaselassie	69.87	30.13	6736.05	2255.47	2312.54	11159.56
Zana	31.31	68.69	2572.38	482.99	1625.13	3519.64
Laelay koraro	6.25	93.75	6091.40	2833.75	533.75	11649.05
Chila	3.9	96.10	1583.80	437.20	726.34	2441.26
Tahtay maichew	19.46	80.54	1990.20	463.62	1080.93	2899.47
Adet	12.54	87.46	1456.04	396.57	678.27	2233.80
Laelay Maichew	34.57	65.43	3237.14	219.07	2807.50	3666.78
Axum town		100	0			
Neader	14.72	85.28	3992.67	773.03	2476.58	5508.77
Kola temben	12.86	87.14	2451.73	904.05	678.68	4224.78
Abegele	26.15	73.85	2491.57	540.93	1430.68	3552.46

Characterstics	Expenses for livestock production in the past 4 months (%)		Average expense in 4months for livestock production			
	YES	NO	Mean	Std. err.	[95% conf.	interval]
Tanqua milash	18.23	81.77	1833.05	482.02	887.70	2778.41
Abiadi	2.4	97.6	31700	.	.	.
Keyih tekli	3.5	96.50	4419.24	1511.02	1455.78	7382.69
Mai kinetal	19.05	80.95	1279.43	265.85	758.04	1800.82
Endabatsehama	38.55	61.45	1680.67	352.67	989.00	2372.34
Embasineyti	5.37	94.63	777.26	174.01	435.98	1118.54
Hahayle	12.89	87.11	2584.40	619.97	1368.49	3800.31
Wereda Adwa	22.1	77.90	1521.16	295.88	940.88	2101.45
Adwa town	43.67	56.33	965.22	453.98	74.86	1855.59
Rama	2.56	97.44	2593.26	1064.98	504.58	4681.93
Ahsea	18.4	81.60	2447.68	1267.65	-38.48	4933.84
Egela	11.82	88.18	3933.84	1260.22	1462.26	6405.42
Ahferom	33.28	66.72	3287.73	624.30	2063.33	4512.13
Enticho town	15.45	84.55	1929.36	512.12	924.97	2933.74
Bizet	15.32	84.68	5197.38	1067.80	3103.17	7291.60
Gulomekeda	22.72	77.28	6897.04	1468.74	4016.49	9777.60
Erob	1.99	98.01	6603.64	3514.26	-288.64	13495.93
Subha sasei	21.59	78.41	2921.39	592.68	1759.01	4083.77
Edaga hamus	43.58	56.42	16306.42	8944.56	-1235.97	33848.82
Ganta afeshum	13.06	86.94	14431.50	6388.01	1903.12	26959.88
Adigrat	55.47	44.53	4029.58	1839.01	422.85	7636.31
Wereda Hawzen	16.91	83.09	3618.68	461.89	2712.80	4524.56
Hawzen		100	0			
Tsaeda Emab	24.34	75.66	6266.12	977.11	4349.77	8182.47
Freweini town	67.66	32.34	3112.44	718.30	1703.68	4521.19
Atsbi	28.46	71.54	9063.40	1296.37	6520.91	11605.89
Atsbi town	58.52	41.48	4628.39	1851.56	997.04	8259.73
Tsirae wemberta	40.07	59.93	7603.98	1320.28	5014.61	10193.35
Wukro		100	0			
Kilte Awlaelo	2.39	97.61	2218.94	1150.32	-37.11	4474.98
Gerealta	14.94	85.06	5140.23	1859.52	1493.27	8787.18

Characterstics	Expenses for livestock production in the past 4 months (%)		Average expense in 4months for livestock production			
	YES	NO	Mean	Std. err.	[95% conf.	interval]
Degua temben	23.7	76.30	3081.97	622.74	1860.63	4303.32
Hagereselam	36	64.00	7604.30	2416.06	2865.85	12342.76
Enderta	16.03	83.97	4881.65	807.14	3298.66	6464.63
Seharti	9.32	90.68	2292.41	1014.31	303.12	4281.70
Samre	7.58	92.42	6819.29	2144.83	2612.77	11025.82
Hintalo	27.88	72.12	4740.88	458.09	3842.45	5639.31
Adigudem	8.71	91.29	627.38	443.38	-242.19	1496.96
Wajirat	14.67	85.33	3489.82	737.95	2042.52	4937.12
Ayder		100	0			
Semen	23.47	76.53	60713.77	24748.11	12176.90	109250.60
Quiha	24.79	75.21	6212.09	1628.59	3018.04	9406.14
Kedamay Weyane	26.31	73.69	2000	.	.	.
Hawelti	21.26	78.74	10000	.	.	.
Adi Haki	40.64	59.36	784.09	179.50	432.05	1136.13
Hadnet	12.38	87.62	57470.00	14753.24	28535.42	86404.58
Emba Alaje	25.8	74.2	4403.64	1030.52	2382.55	6424.73
Selewa	17.04	82.96	3633.64	418.42	2813.03	4454.26
Bora	11.5	88.5	9240.41	1989.39	5338.74	13142.08
Neqsege	1.44	98.56	3221.54	882.17	1491.40	4951.67
Enda mekoni	27.6	72.4	3878.55	442.15	3011.39	4745.70
Maichew	64.92	35.08	6358.29	1404.32	3604.09	9112.49
Mekoni town	64.17	35.83	4044.43	1062.72	1960.18	6128.68
Raya Azebo	36.34	63.66	2421.50	382.50	1671.34	3171.67
Raya Chercher	17.12	82.88	3374.04	349.79	2688.02	4060.06
Total	**19.73**	**80.27**	**4570.747**	**283.2086**	**4015.308**	**5126.186**

7.2.6 Average income from selling Livestock products

In regional wise, about 10% of the total livestock holder households Have earned income from any animal product in the past 4 months.

Table 0-10: Average income from selling Livestock products in four months by place of residence and woreda(of the total participated in animal production)-TSES-2024

Characterstics	Income from any livestock product in the past 4 months(%)		Average income from selling livestock products			
	YES	NO	Mean	Std. err.	[95% conf.	interval]
Total	**10.53**	**89.47**	**3526.07**	**830.3994**	**1894.875**	**5157.266**
Place of residence						
Urban	12.1	87.9	21000.83	7234.671	6789.403	35212.26
Rural	10.41	89.59	1644.77	286.7643	1081.465	2208.076
Woreda						
Tsimbila	13.61	86.39	1511.647	498.8764	531.6786	2491.615
Endabguna	11.68	88.32	79397.07	56509.51	-31607.4	190401.6
Asgede	4.65	95.35	801	269.2851	272.0298	1329.97
Tahtay Adyabo	31.16	68.84	408.3333	75.50963	260.006	556.6607
Sheraro	1.5	98.5				
Maekel Adyabo	3.74	96.26	188.1348	82.59653	25.88623	350.3833
Seymti Adyabo	5.06	94.94				
Aidaero	16.73	83.27	2738.145	1644.85	-492.916	5969.207
tahtay Koraro	22.53	77.47	5969.164	3226.002	-367.835	12306.16
Shire Endaselassie	18.35	81.65	300	.	.	.
Zana	8.74	91.26	2449.679	915.7053	650.9123	4248.445
Laelay koraro	1.93	98.07	2048.574	1074.622	-62.3601	4159.509
Chila	8.38	91.62	267.0561	26.14918	215.6899	318.4222
Tahtay maichew	21.13	78.87	674.0845	381.018	-74.3684	1422.537
Adet	9.77	90.23	345.6089	77.9552	192.4775	498.7402
Laelay Maichew	2.14	97.86	150	.	.	.
Axum town		100				
Neader	12.34	87.66	781.96	144.97	497.20	1066.73
Kola temben	2.99	97.01	599.78	261.68	85.74	1113.81
Abegele	8.07	91.93	735.74	311.60	123.65	1347.83
Tanqua milash	6.19	93.81	647.41	295.78	66.38	1228.43

Characterstics	Income from any livestock product in the past 4 months(%)		Average income from selling livestock products			
	YES	NO	Mean	Std. err.	[95% conf.	interval]
Abiadi		100				
Keyih tekli	4.85	95.15	394.39	91.97	213.73	575.06
Mai kinetal	6.69	93.31	613.90	224.36	173.18	1054.63
Endabatsehama	37.58	62.42	1393.81	369.54	667.90	2119.72
Embasineyti	3.87	96.13	690.90	316.61	68.97	1312.83
Hahayle	5.76	94.24	1450.00	672.37	129.23	2770.77
Wereda Adwa	3.06	96.94	424.68	186.25	58.82	790.53
Adwa town	22.59	77.41	600	.	.	.
Rama	2.32	97.68				
Ahsea		100				
Egela	21.02	78.98	672.80	241.01	199.37	1146.22
Ahferom	4.92	95.08	1600.00	1026.25	-415.92	3615.92
Enticho town	2.65	97.35				
Bizet	19.35	80.65	254.16	26.68	201.74	306.57
Gulomekeda	8.22	91.78	627.02	352.61	-65.63	1319.67
Erob	1.96	98.04	100	.	.	.
Subha sasei	26.78	73.22	1136.20	147.85	845.78	1426.63
Edaga hamus	51.58	48.42	8750.00	4423.49	60.71	17439.29
Ganta afeshum	12.17	87.83	820.93	503.17	-167.47	1809.33
Adigrat	18.23	81.77	1500	.	.	.
Wereda Hawzen	20.67	79.33	719.22	349.77	32.15	1406.30
Hawzen		100				
Tsaeda Emab	8.72	91.28	665.12	214.16	244.43	1085.82
Freweini town	20.43	79.57	300	.	.	.
Atsbi	1.77	98.23	160	.	.	.
Atsbi town	9.6	90.4	6000	2123.276	1829.141	10170.86
Tsirae wemberta	10.82	89.18	15000.39	9420.809	-3505.39	33506.16
Wukro		100				
Kilte Awlaelo	3.98	96.02	209.33	58.07	95.27	323.40
Gerealta	8.8	91.2	2270.47	1139.60	31.91	4509.04
Degua temben	10.42	89.58	665.69	102.37	464.59	866.78
Hagereselam	22.99	77.01	5855.38	1735.08	2447.07	9263.68

Characterstics	Income from any livestock product in the past 4 months(%)		Average income from selling livestock products			
	YES	NO	Mean	Std. err.	[95% conf.	interval]
Enderta	3.95	96.05	1024.09	677.91	-307.56	2355.74
Seharti	2.31	97.69	1515.88	1156.13	-755.17	3786.93
Samre		100				
Hintalo	2.2	97.8	452.94	35.27	383.67	522.22
Adigudem	8.71	91.29				
Wajirat	13.7	86.3	1406.94	335.66	747.58	2066.29
Ayder		100				
Semen	14.16	85.84	160000.00	.	.	.
Quiha	19.61	80.39	3581.19	1388.90	852.90	6309.48
Kedamay Weyane	26.31	73.69	3000.00	.	.	.
Hawelti	40.66	59.34	657.75	50.27	558.99	756.50
Adi Haki	51.43	48.57	11275.00	5246.66	968.73	21581.27
Hadnet	4.95	95.05	80200.00	.	.	.
Emba Alaje	3.79	96.21	277.69	120.36	41.26	514.11
Selewa	7.48	92.52	777.00	348.48	92.46	1461.54
Bora	14.48	85.52	9953.45	3971.92	2151.22	17755.69
Neqsege	4.53	95.47	576.32	468.81	-344.58	1497.23
Enda mekoni	20.24	79.76	3796.56	986.94	1857.87	5735.26
Maichew	26.57	73.43	25515.35	3295.86	19041.13	31989.57
Mekoni town	8.65	91.35	435.82	51.98	333.72	537.92
Raya Azebo	28.25	71.75	1389.85	344.26	713.60	2066.11
Raya Chercher	5.62	94.38	2041.45	359.34	1335.59	2747.31
Total	**10.53**	**89.47**	**3526.07**	**830.40**	**1894.88**	**5157.27**

	Households Sources of income by livestock products(%)										
	Meat	Skin/hides	Butter/cheese	Milk	Cream	Huqan	Ajibo	Mancheba	Dung cake	Egg	Honey
Urban	2.64	0	5.01	58.71	4	2.94	3.49	4	11.18	36.29	0.55
Rural	14.44	1.68	20.87	29.53	8.1	7.85	4.45	4.54	23.33	63.74	3.79
Total	13.51	1.55	19.62	31.83	7.77	7.47	4.38	4.5	22.37	61.57	3.53

7.3 Agricultural Extension Service

Table 7.11, presents the weighted analysis of household contact with official extension personnel in groups during the wet season. Wereda Enderta recorded the highest weighted number of households with no contact, estimated at 27,550. Conversely, Adidaero had the highest weighted estimate of households (15,914) contacting personnel one to four times. For five to eight contacts, Tahray koraro had the largest weighted estimate of 1,292 households. Overall, weighted estimates indicate that 355,087 households had no contact with extension personnel, 259,959 households made contact one to four times, 2,979 households had contact five to eight times, and 67 households had contact ten to twelve times.

Table 0-11 :Total number contacted households by extension workers in group in wet season.

Woreda	Group_extension_WetSeason				
	0	1-4	5-8	10-12	Total
Tsimbila	5,703	8,825	177		14,706
Endabguna	309	67			376
Asgede	9,060	7,468	266		16,795
Tahtay Adyabo	18,509	5,714	227	411	24,862
Sheraro	1,382	76	38		1,496
Maekel Adyabo	2,346	2,080	215	167	4,808
Seymti Adyabo	4,249	4,398	721	36	9,405
Aidaero	8,334	15,914			24,248
tahtay Koraro	6,485	8,265	1,292	97	16,139
Shire Endaselassie	124	609			733
Zana	7,669	4,803	48		12,521
Laelay koraro	8,729	5,328	162		14,219
Chila	8,918	537		36	9,491
Tahtay maichew	5,967	3,914	138	62	10,082
Adet	5,208	2,277	41	48	7,575
Laelay Maichew	5,260	7,396	199	89	12,946
Axum town	54				54
Neader	3,406	5,611	89	528	9,635
Kola temben	8,975	7,580	43	54	16,653
Abegele	7,934	5,796	982	56	14,768
Tanqua milash	3,599	5,186			8,785
Abiadi	242	842			1,084
Keyih tekli	7,765	4,562	178	12	12,517

Woreda	Group_extension_WetSeason				
	0	1-4	5-8	10-12	Total
Mai kinetal	3,200	4,706	26	374	8,306
Endabatsehama	5,574	3,857	47	47	9,525
Embasineyti	1,743	6,666	21		8,430
Hahayle	4,774	7,382			12,156
Wereda Adwa	13,690	5,327	427	106	19,551
Adwa town	58				58
Rama	4,743	2,092			6,836
Ahsea	2,118	5,301	87	37	7,544
Egela	1,927	5,479			7,406
Ahferom	7,120	4,704	29		11,854
Enticho town	568	81			649
Bizet	3,212	1,080		120	4,412
Gulomekeda	4,844	2,847			7,692
Erob	2,046	417	22		2,485
Subha sasei	5,502	1,155			6,657
Edaga hamus	321	217			538
Ganta afeshum	11,419	3,557			14,977
Adigrat	196				196
Wereda Hawzen	12,622	3,065			15,687
Hawzen	421				420
Tsaeda Emab	6,189	5,591			11,781
Freweini town	317	57			375
Atsbi	7,453	1,866	33		9,351
Atsbi town	397	286			683
Tsirae wemberta	9,754	3,554	225	56	13,588
Kilte Awlaelo	9,100	4,663	21	21	13,806
Gerealta	4,290	4,776	49		9,117
Degua temben	7,041	4,225	99	69	11,435
Hagereselam	178	157	7		343
Enderta	27,550	8,309		247	36,106
Seharti	4,773	10,282		42	15,097
Samre	5,063	4,878	51		9,993
Hintalo	11,718	8,026			19,745
Adigudem	1,105	41			1,146
Wajirat	6,617	1,657			8,275
Ayder	193	23			216
Semen	79				79

Woreda	Group_extension_WetSeason				
	0	1-4	5-8	10-12	Total
Quiha	708	371			1,080
Hawelti	309	92	106		507
Adi Haki	254				254
Hadnet	1,579	2,682			4,261
Emba Alaje	2,703	3,584		43	6,329
Selewa	3,207	3,878	24		7,109
Bora	1,102	4,609	105		5,816
Neqsege	2,399	3,519	156		6,074
Enda mekoni	6,253	6,471	171	45	12,941
Maichew	559	108		17	686
Mekoni town	2,244	232			2,476
Raya Azebo	9,332	10,246			19,577
Raya Chercher	6,296	595		159	7,052
Tigrai	**355,087**	**259,959**	**6,522**	**2,979**	**624,575**

Based on the weighted analysis, Table 7.12 reveals that in Wereda Enderta, the largest proportion of households, representing 30,699 weighted cases, did not engage with official extension personnel in groups during the dry season. At the same time in Wereda tahtay adyabo 17,859 households, Woreda adwa 16,489 households, and Hintalo 14,532 households. Across the Tigrai region, an estimated 408,901 households, based on weighted data, did not participate in group contacts with extension personnel during this period. Conversely, an estimated 199,894 households had group interactions one to three times, 9,680 households engaged four to six times, 1,961 households engaged seven to nine times, and 4,148 households interacted ten to fifteen times.

Table 0-12: Total number of households contacted by extension workers in group during dry season

Woreda	Group_extension_DrySeason					
	0	1 - 3	4 - 6	7 - 9	10 - 15	Total
Tsimbila	6468	8238				14706
Endabguna	283	94				377
Asgede	9439	6242	1115			16795
Tahtay Adyabo	17859	5593	764	59	588	24862
Sheraro	1458			38		1496
Maekel Adyabo	3038	1580	72	72	48	4808
Seymti Adyabo	6105	2471	541	288		9405
Aidaero	11540	12377	264		68	24249
tahtay Koraro	9608	5385	745	28	373	16139
Shire Endaselassie	168	424		141		733
Zana	7377	4502	567		75	12521
Laelay koraro	12247	1810	162			14219
Chila	9233	258				9491
Tahtay maichew	8293	1696	93			10082
Adet	5116	2410			49	7575
Laelay Maichew	6320	6327	210		90	12946
Axum town	54					54
Neader	4391	4639	136		470	9636
Kola temben	11340	5240	73			16653
Abegele	8464	3199	1605	905	596	14769
Tanqua milash	5449	3314			22	8785
Abiadi	282	802				1084
Keyih tekli	10595	1820	102			12517
Mai kinetal	4161	3657	52		436	8306
Endabatsehama	7107	2338	47		33	9525
Embasineyti	2073	6316	42			8430
Hahayle	6055	6066	36			12156
Wereda Adwa	16489	2679	198	106	79	19551
Adwa town		59				59
Rama	4909	1927				6836
Ahsea	2566	4875	65		38	7544
Egela	2229	5103	74			7406
Ahferom	9005	2819	29			11854
Enticho town	582	68				650
Bizet	3278	1014			120	4412
Gulomekeda	5346	2109	238			7692
Erob	2291	173	22			2486

Woreda	Group_extension_DrySeason					
	0	1 - 3	4 - 6	7 - 9	10 - 15	Total
Subha sasei	5772	885				6657
Edaga hamus	350	188				539
Ganta afeshum	11332	3582	63			14977
Adigrat	118	78				196
Wereda Hawzen	13244	2422	20			15687
Hawzen	421					421
Tsaeda Emab	7355	4425				11781
Freweini town	320	55				375
Atsbi	7293	2025	33			9351
Atsbi town	457	226				683
Tsirae wemberta	9729	3029	566	152	112	13588
Kilte Awlaelo	9471	4293	42			13806
Gerealta	5970	3097	50			9117
Degua temben	7590	3113	194		537	11435
Hagereselam	152	191				343
Enderta	30699	4855	429	123		36106
Seharti	5938	8969	151		40	15097
Samre	6040	3833	80		40	9993
Hintalo	14532	5113	100			19745
Adigudem	1092	54				1146
Wajirat	6846	1378	30		22	8275
Ayder	193	23				216
Semen	79					79
Quiha	639	394	24	24		1080
Hawelti	309	92			107	507
Adi Haki	254					254
Hadnet	1666	2595				4261
Emba Alaje	2864	3423	43			6330
Selewa	4134	2976				7110
Bora	1685	3720	383		28	5816
Neqsege	2702	3320	36		17	6074
Enda mekoni	8225	4521	170	25		12941
Maichew	638	30	17			686
Mekoni town	2321	155				2476
Raya Azebo	10874	8704				19578
Raya Chercher	6383	509			160	7052
Tigrai	408,901	199,894	9,680	1,961	4,148	624,584

Table 7.13 presents the weighted analysis of household interactions with official extension personnel during the wet season. According to the analysis, Wereda Enderta and Tahtay adiyabo recorded the highest weighted number of households with no contact, amounting to 30,400 and 17,840. In contrast, Adidaero showed the highest weighted number of households (15,323) that contacted extension personnel one to three times. Tahtay koraro had the largest weighted number of households (1,121) in the four-to-six contact category. Overall, a weighted total of 358,563 households did not engage with extension personnel individually during the wet season. Additionally, a weighted total of 253,013 households contacted extension personnel one to three times, 8,750 households reached out four to six times, 1,541 households made seven to nine contacts, and 2,717 households contacted the personnel ten to fifteen times.

According to Table 7.14, the weighted analysis indicates that Wereda Enderta had the highest number of households (31,610) that did not contact official extension personnel individually during the dry season. This was followed by Wereda Tahtay adyabo, Wereda adwa, and Wereda hawzen, with weighted totals of 19,117, 16,280, and 13,939 households, respectively. Across the Tigrai region, a weighted total of 413,950 households did not engage with extension personnel during the dry season. Additionally, a weighted total of 200,759 households made contact one to four times, 7,062 households reached out five to eight times, and 2,812 households made contact ten to twelve times.

Table 0-13 Total number of households contacted by health extension workers individually in wet season.

Woreda	Individual_extension_WetSeason					
	0	1 - 3	4 - 6	7 - 9	10 - 15	Total
Tsimbila	5527	9180				14706
Endabguna	283	94				377
Asgede	9282	6453	965	94		16795
Tahtay Adyabo	17840	5906	881		235	24862
Sheraro	1323	135		38		1496
Maekel Adyabo	2219	2160	95	143	191	4808
Seymti Adyabo	4452	4124	252	577		9405
Aidaero	8726	15323	132	68		24249
tahtay Koraro	6464	7849	1121	125	580	16139
Shire Endaselassie	124	610				733
Zana	5786	6642	92			12521
Laelay koraro	7710	6255	254			14219

Woreda	Individual_extension_WetSeason					
	0	1 - 3	4 - 6	7 - 9	10 - 15	Total
Chila	9122	369				9491
Tahtay maichew	4805	4982	264		31	10082
Adet	5315	2163	49		49	7575
Laelay Maichew	5569	7187	50	50	90	12946
Axum town	54					54
Neader	4527	4777	97		235	9636
Kola temben	9580	6975	43		54	16653
Abegele	7141	6954	560		113	14769
Tanqua milash	3538	5108	139			8785
Abiadi	131	953				1084
Keyih tekli	7566	4688	53	210		12517
Mai kinetal	3409	4363	73	26	436	8306
Endabatsehama	3334	5971	187		33	9525
Embasineyti	1849	6539	42			8430
Hahayle	6989	5167				12156
Wereda Adwa	12603	6059	771	67	52	19551
Adwa town	59					59
Rama	4384	2452				6836
Ahsea	4048	3454	42			7544
Egela	2383	4949	74			7406
Ahferom	7697	4139	18			11854
Enticho town	519	131				650
Bizet	2913	1391			108	4412
Gulomekeda	4976	2660	30	25		7692
Erob	2124	362				2486
Subha sasei	5605	1051				6657
Edaga hamus	344	195				539
Ganta afeshum	11023	3836	118			14977
Adigrat	118	78				196
Wereda Hawzen	13391	2235	33	27		15687
Hawzen	382	38				421
Tsaeda Emab	8032	3608	70		72	11781
Freweini town	316	59				375
Atsbi	6452	2834	65			9351
Atsbi town	275	408				683
Tsirae wemberta	10071	3011	393		112	13588
Kilte Awlaelo	7908	5637	220	40		13806
Gerealta	5154	3912	50			9117
Degua temben	6721	4351	304		58	11435

Woreda	Individual_extension_WetSeason					
	0	1 - 3	4 - 6	7 - 9	10 - 15	Total
Hagereselam	177	167				343
Enderta	30400	5421	285			36106
Seharti	5061	9964	73			15097
Samre	6207	3706	80			9993
Hintalo	10800	8654	191		100	19745
Adigudem	1105	41				1146
Wajirat	5624	2651				8275
Ayder	146	70				216
Semen	79					79
Quiha	673	408				1080
Hawelti	309	92	107			507
Adi Haki	202	52				254
Hadnet	1492	2769				4261
Emba Alaje	3036	3293				6330
Selewa	3748	3352	9			7110
Bora	1044	4668	105			5816
Neqsege	2285	3613	176			6074
Enda mekoni	6684	5965	170	50	72	12941
Maichew	551	135				686
Mekoni town	2089	387				2476
Raya Azebo	10134	9443				19578
Raya Chercher	6556	385	15		97	7052
Tigrai	358,563	253,013	8,750	1,541	2,717	624,584

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Table 0-14: Total number of households contacted by extension workers individually during dry season

Woreda	Individual_extension_DrySeason				
	0	1 - 4	5 - 8	10 - 12	Total
Tsimbila	5542	9165			14706
Endabguna	310	67			377
Asgede	9810	6477	414	94	16795
Tahtay Adyabo	19117	5157	294	294	24862
Sheraro	1452	44			1496
Maekel Adyabo	2764	1710	167	167	4808
Seymti Adyabo	6130	2410	865		9405
Aidaero	11006	13174		68	24249
tahtay Koraro	9527	5952	495	166	16139
Shire Endaselassie	168	565			733

Woreda	Individual_extension_DrySeason				
	0	1 - 4	5 - 8	10 - 12	Total
Zana	8067	4408	46		12521
Laelay koraro	12109	2110			14219
Chila	9207	284			9491
Tahtay maichew	8439	1612	31		10082
Adet	5066	2419	41	49	7575
Laelay Maichew	6061	6745	50	90	12946
Axum town	54				54
Neader	5615	3586	141	294	9636
Kola temben	10721	5594	337		16653
Abegele	8853	4837	1009	69	14769
Tanqua milash	5308	3427	27	22	8785
Abiadi	185	899			1084
Keyih tekli	9995	2231	263	28	12517
Mai kinetal	4662	3307		337	8306
Endabatsehama	5126	4171	195	33	9525
Embasineyti	2256	6153	21		8430
Hahayle	7532	4624			12156
Wereda Adwa	16280	3063	208		19551
Adwa town	59				59
Rama	4434	2091	311		6836
Ahsea	4205	3254	61	23	7544
Egela	2560	4847			7406
Ahferom	9680	2130	43		11854
Enticho town	530	119			650
Bizet	3136	1169		108	4412
Gulomekeda	5546	1999	147		7692
Erob	2359	127			2486
Subha sasei	5696	961			6657
Edaga hamus	308	231			539
Ganta afeshum	11180	3797			14977
Adigrat	118	78			196
Wereda Hawzen	13939	1661	86		15687
Hawzen	382	38			421
Tsaeda Emab	8845	2794	70	72	11781
Freweini town	307	68			375
Atsbi	6448	2845	59		9351
Atsbi town	440	243			683
Tsirae wemberta	10229	3074	169	117	13588
Kilte Awlaelo	8853	4753	199		13806

Woreda	Individual_extension_DrySeason				
	0	1 - 4	5 - 8	10 - 12	Total
Gerealta	6313	2779	25		9117
Degua temben	6719	3948	262	506	11435
Hagereselam	175	169			343
Enderta	31610	4344	153		36106
Seharti	6493	8343	261		15097
Samre	7199	2754		40	9993
Hintalo	13888	5857			19745
Adigudem	1084	62			1146
Wajirat	6607	1667			8275
Ayder	146	70			216
Semen	79				79
Quiha	609	448	24		1080
Hawelti	309	92		107	507
Adi Haki	202	52			254
Hadnet	1318	2942			4261
Emba Alaje	3035	3294			6330
Selewa	4239	2870			7110
Bora	1889	3509	418		5816
Neqsege	2858	3162	36	19	6074
Enda mekoni	7459	5363	119		12941
Maichew	581	105			686
Mekoni town	2476				2476
Raya Azebo	11491	8087			19578
Raya Chercher	6553	372	15	112	7052
Tigrai	413,950	200,759	7,062	2,812	624,584

CHAPTER EIGHT

EMPLOYMENT AND UNEMPLOYMENT STATUS

8.1 Employment status and Unemployment Rate

The unemployment rate was calculated by dividing the number of unemployed persons by the number of active persons. The number of active persons was first calculated by adding the unemployed and employed persons. The persons who have no jobs and didn't search a job for three months prior to the survey period due to different reasons such as being students, disabled persons, pregnant women, old aged persons, pensioners, children … etc were grouped in to inactive persons.

By adopting the International Labor Organization (ILO) & Ethiopian Statistical Service (formerly known as Central Statistical Authority or CSA) labor concepts those persons aged 10 and above who replied that they have a job & worked for at least one hour are considered as employed persons. Also, those persons who didn't work for the last seven days but they have a job to return very soon were considered as employed persons.

Besides those engaged in a paid job, persons involved in household agricultural & Nonagricultural activities for the purpose of own consumption or profit making for more than one hour were also considered as employed persons. We have used the current status approach to calculate the number of employed, unemployed persons and the unemployment rate in urban areas. This approach enables us to collect data about economic participation of household members for a short period of time usually for the last seven days prior to the survey period.

Accordingly, the urban unemployment rate is estimated to be 85.8%. Statistical surveys conducted in post war areas may produce high such estimates than usual due to damages made to economic & social infrastructures.

In order to estimate the rural unemployment rate, we have used the usual status approach. This approach measures the economic participation of the labor force for a longer period of time.

Rural households were asked about their economic activity for the last 12 months prior to the survey period.

Those households who have participated in agricultural activities and produced agricultural products for own consumption or market sales, and also household members who were engaged in a paid job are considered as employed persons. We have calculated the total number of household members who have participated in agricultural activities by multiplying average household size of households with agricultural land by the number of households who have replied that they own agricultural land. Only household members aged 10 and above who worked for more than four hours were considered as employed persons.

Accordingly, the rural unemployment rate was estimated to be 40.5% which is also higher than usual. Before the war broke in 2013 E.C. , in Tigray this rate was usually estimated to be below 10 percent.

Table 0-1: Unemployment rate by gender and place of residence

Place of Residence	Employed Persons	Unemployed	Active Persons	Unemployment Rate
Urban	295762	1781158	2076920	85.8
Male	171366	957330	1128696	84.8
Female	124396	823828	948224	86.9
Rural	2665848	1814450	1480298	40.5
Male	1345323	980915	2326238	42.2
Female	1320525	833535	2154060	38.7

The extent of the economic participation of the population is measured using economic activity rates. Economic activity rate or economic participation rate is computed as the percentage of the economically active population over the total of active plus not active population aged ten years and above. Out of the population aged 10 years and above included in our survey the economic participation rate was estimated to be 51.1% & 67.4% in Urban and In Rural respectively.

Table 0-2: Activity rate by place of residence

Place of Residence	Inactive Persons	Active Persons	Total inactive & active Persons	Economic Activity Rate(Economic Participation Rate) in % (unweighted)
Urban	1984967	2076920	4061887	51.1
Rural	2168677	4480298	6648975	67.4

Table 8-3, below shows that most of the urban respondents are engaged in trade (18.3%), other service activities (18.6%), professional scientific & technical act (9.8%), education (7.9%), transport (6.4%) , and the rest are engaged in different economic activities.

Table 0-3: Main Economic Activity of respondents aged 10 and above in Urban Tigray

Main Economic Activity (Urban	Frequency	Percent(weighted)	Cumulative
Agriculture, forestry & fishing	7,265	3.51	3.51
mining & quarrying	1,344	0.65	4.16
manufacturing	6,946	3.36	7.52
electricity supply	1,142	0.55	8.07
water supply	988	0.48	8.55
construction	9,629	4.65	13.2
trade	37,890	18.31	31.52
transport	13,149	6.36	37.87
hotel & restaurant	6,275	3.03	40.91
information & communication	1,795	0.87	41.78
finance & insurance	8,452	4.09	45.86
real estate activities	359	0.17	46.04
professional scientific & technical act	20,343	9.83	55.87
administrative & support service	6,089	2.94	58.81
public administration	9,574	4.63	63.44
education	16,305	7.88	71.32
human health & social works	8,614	4.16	75.48
arts entertainment & recreation	1,005	0.49	75.97
other service activities	38,477	18.6	94.57
activities of household as employers	9,630	4.65	99.22
activities of extraterritorial organization	1,604	0.78	100

Table 8-4, below shows that most of the rural respondents are engaged in agriculture, forestry & fishing activities (58.7%), other service activities (10.3%), trade (6.8%), construction (4.6%), mining & quarrying (2.9%) and the rest are engaged in different economic activities.

Table 0-4: Main Economic Activity of respondents aged 10 and above in Rural Tigray

Main Economic Activity(Rural)	Frequency	Percent(weighted)	Cumulative
Agriculture, forestry & fishing	68,460	58.67	58.67
mining & quarrying	3,434	2.94	61.61
manufacturing	854	0.73	62.34
water supply	1,062	0.91	63.25
construction	5,346	4.58	67.83
trade	7,886	6.76	74.59
transport	1,509	1.29	75.89
hotel & restaurant	1,849	1.59	77.47
information & communication	187	0.16	77.63
finance & insurance	501	0.43	78.06
real estate activities	40	0.03	78.1
professional scientific & technical act	3,245	2.78	80.88
administrative & support service	683	0.59	81.46
public administration	2,570	2.2	83.67
education	3,111	2.67	86.33
human health & social works	548	0.47	86.8
arts entertainment & recreation	15	0.01	86.82
other service activities	12,020	10.3	97.12
activities of household as employers	2,772	2.38	99.49
activities of extraterritorial organization	592	0.51	100
Total	116,692	100	

The table below shows that the urban respondents have permanent (62.0 %), contract (10.4 %), temporary (13.8%), daily (9.1 %) and other jobs (3.5 %). The rural respondents have permanent (36.5%, contract (9.4 %), temporary (16.5 %), daily (32.6 %) and other jobs (4.9 %).

Table 0-5: Employment status or type

Employment Type	Urban		Rural	
	Frequency	Percent(weighted)	Frequency	Percent(weighted)
permanent	91,049	62	14,455	36.52
contract	16,269	10.4	3,717	9.39
temporary	20,262	13.8	6,533	16.51
daily	14,269	9.1	12,914	32.63
other	4,904.00	3.5	1,961	4.95
Total	146,756	100	39,582	100

CHAPTER NINE

LEVEL OF POVERTY IN TIGRAY

9.1 Introduction

The analysis of poverty in a country is ultimately an attempt to compare living standards across households or individuals. It begins by choosing a welfare measure which is usually household expenditure or income, adjusted for the size and/or composition of the household, and goes on to setting a poverty line at a level of welfare corresponding to some minimum accepted standard of living. The poverty line acts as a threshold, with households falling below the poverty line considered poor and those above the poverty line considered non-poor. Once the poor have been identified, poverty measures such as the headcount ratio, poverty gap, and squared poverty gap are estimated and poverty profiles can be constructed.

Absolute poverty lines are typically set to represent the expenditure (or consumption or income) required to attain some minimum level of welfare, so the line is meant to reflect the cost of obtaining a given reference level of utility or standard of living that defines the threshold to poverty. Although alternative methods to define the poverty line are possible such as the Food Energy Intake (FEI), the Cost of Basic Needs (CBN) approach, the dollar-a-day criterion used for international comparison by the World Bank and others, and a social subjective poverty line, we use the cost-of-basic-needs approach to estimate a poverty line.

9.2 Food and Absolute Poverty Line

The first step is to define the food poverty line by choosing a bundle of food typically consumed by the poor. We took the poorest 50% as reference household deemed to be typical of the poor. Next, we identified the food items commonly consumed by the reference household to constitute the food bundle. In this case, a total of 21 food items (appendix table 1) were chosen and their quantity is determined in such a way that the bundle supplies a predetermined level of minimum calorie requirement – 2200 Kcal. Having selected the bundle of goods, we then valued it using a median price for each food item in the basket based on internal price data. The same basket of

food items is valued by the corresponding price in each year and each study site to determine the cost of consuming the reference basket of food items.

Based on the cost of basic needs approach, the food poverty line that corresponds to the food items in appendix is Birr 18070 and the total poverty line Birr 20780.5; These are the regional food and total poverty lines.

Table 0-1: Food poverty level by place of residence

Place of residence	Level of Poverty		
	Head count index(α=0)	Poverty gap (α=1)	Severity index(α=2)
Urban	0.596	0.249	0.14
Rural	0.689	0.32	0.19
Total	0.645	0.287	0.167

The head count index of the food poverty line for the 75 woredas was 64.5%, the rural households had 68.9% of the food head count index and the urban households account for 59.6%.

Table 9-2 below shows the total poverty line for the 75 woredas. As can be seen from the table the total poverty head count index for the 75 woredas in the year 2016 (2024) was 61.59%, urban households had head count index of 54.28% while rural household had head count index of 68%. The distance of households from the poverty level was 26.64%, this money needed to lift households from below the absolute poverty level.

Table 0-2 Poverty level by place of residence

Place of Residence	Head Count	α=1	α=1
Urban	0.5428	0.2245	0.124
Rural	0.6799	0.3031	0.1731
Population	0.6159	0.2664	0.1502

Table 0-3 Level of food and total poverty by Woreda

Woreda	Head count Food poverty	Head count Total poverty
Tsimbila	72.30%	74.10%
Endabguna	59.70%	57.40%
Asgede	77.70%	73.40%
Tahtay Adyabo	46.90%	41.40%
Sheraro	65.60%	46.40%
Maekel Adyabo	77.20%	69.80%
Seymti Adyabo	68.70%	61.50%
Aidaero	78.50%	72.80%
Tahtay Koraro	61.60%	59.10%
Shire Endaselassie	48.90%	42.30%
Zana	71.50%	69.90%
Laelay koraro	51.50%	52.70%
Chila	89.20%	88.40%
Tahtay maichew	60.70%	55.00%
Adet	87.70%	89.30%
Laelay Maichew	44.30%	47.00%
Axum town	80.10%	78.50%
Neader	75.20%	75.50%
Kola temben	65.70%	64.30%
Abegele	87.40%	84.10%
Tanqua milash	79.70%	79.30%
Abiadi	54.00%	52.40%
Keyih tekli	73.00%	73.40%
Mai kinetal	68.10%	64.70%
Endabatsehama	58.80%	55.50%
Embasineyti	72.20%	69.60%
Hahayle	85.00%	86.50%
Wereda Adwa	79.20%	79.50%
Adwa town	52.30%	46.90%
Rama	74.80%	73.00%

Woreda	Head count Food poverty	Head count Total poverty
Ahsea	84.00%	93.20%
Egela	85.80%	81.40%
Ahferom	67.10%	64.30%
Enticho town	56.30%	46.80%
Bizet	68.00%	64.30%
Gulomekeda	85.40%	82.80%
Erob	82.30%	80.90%
Subha sasei	69.30%	69.40%
Edaga hamus	61.90%	56.10%
Ganta afeshum	56.50%	57.90%
Adigrat	85.50%	80.70%
Wereda Hawzen	60.40%	62.20%
Hawzen	66.70%	65.00%
Tsaeda Emab	59.90%	61.50%
Freweini town	60.60%	39.30%
Atsbi	77.60%	81.10%
Atsbi town	58.30%	52.90%
Tsirae wemberta	51.70%	51.50%
Wukro	78.30%	77.50%
Kilte Awlaelo	70.80%	71.90%
Gerealta	70.20%	69.90%
Degua temben	52.30%	55.30%
Hagereselam	43.20%	45.30%
Enderta	57.90%	57.10%
Seharti	83.50%	84.30%
Samre	86.10%	83.50%
Hintalo	70.00%	72.70%
Adigudem	42.10%	51.09%
Wajirat	68.90%	59.90%
Ayder	47.70%	33.50%
Semen	31.80%	29.70%
Quiha	42.30%	39.30%
Kedamay Weyane	43.60%	37.80%

Woreda	Head count Food poverty	Head count Total poverty
Hawelti	34.60%	30.80%
Adi Haki	43.30%	34.80%
Hadnet	33.80%	20.80%
Emba Alaje	41.10%	46.80%
Selewa	48.40%	50.70%
Bora	65.90%	66.60%
Neqsege	61.80%	66.10%
Enda mekoni	48.50%	50.00%
Maichew	56.10%	59.50%
Mekoni town	56.00%	53.60%
Raya Azebo	76.70%	68.40%
Raya Chercher	53.40%	45.00%
IDP	79.40%	78.80%
Population	64.50%	61.60%

Table 0-4 Mean per capita per quintile

Mean per capita expenditure			quintile1
Urban	Rural	Total	
7134.37	7660	7510.55	1
14817.58	14649.17	14699.43	2
22283.38	21937.78	22069.29	3
33070.72	32386.88	32698.97	4
85915.23	69333.48	79410.54	5

The difference in per capita consumption expenditure between quintiles is higher in the upper quintile but it was almost the same in the other quintiles in both rural and urban woredas.

The Gini index shows 44.83% for the 75 woredas, 48.69% for urban areas and 39.16% for rural woredas. This tells us that difference among households was higher in urban woredas than in rural woredas.

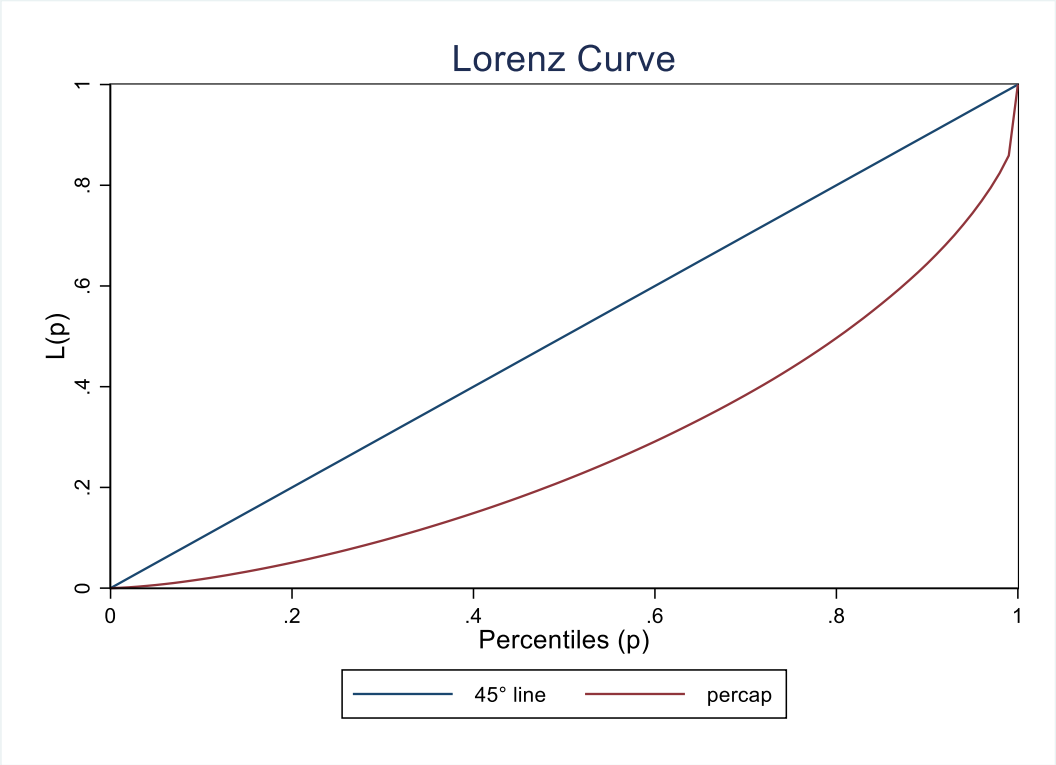


Figure 1: Lorenz curve for 75 woredas

CHAPTER TEN

FOOD SECURITY AND COPING MECHANISMS

Table 0-1: Reduced Coping Index, TSES 2016

Woreda	reduced coping strategy index			
	urban		Rural	
	Median	interquartile range	Median	interquartile range
Tsimbila			8.00	9.00
Endabguna	14.00	14.00		
Asgede			27.00	21.00
Tahtay Adyabo			20.00	17.00
Sheraro	18.00	16.00		
Maekel Adyabo			15.00	16.00
Seymti Adyabo			17.00	17.00
Aidaero	15.00	13.00	12.00	12.00
tahtay Koraro			16.00	14.00
Shire Endaselassie	18.00	15.00		
Zana	12.00	3.00	23.00	14.00
Laelay koraro	11.00	4.00	10.00	8.00
Chila			22.00	10.00
Tahtay maichew	14.00	20.00	24.00	10.00
Adet	4.00	19.00	14.00	21.00
Laelay Maichew			9.00	14.00
Axum town	20.00	23.00		
Neader			11.00	10.00
Kola temben			24.00	19.00
Abegele	37.00	6.00	27.00	18.00
Tanqua milash			16.00	30.00
Abiadi	8.00	10.00		
Keyih tekli	10.00	8.00	11.00	9.00
Mai kinetal	16.00	9.00	13.00	8.00
Endabatsehama			12.00	17.00

Woreda	reduced coping strategy index			
	urban		Rural	
	Median	interquartile range	Median	interquartile range
Embasineyti	25.00	17.00	19.00	21.00
Hahayle	2.00	2.00	16.00	19.00
Wereda Adwa			12.00	12.00
Adwa town	17.00	10.00		
Rama	21.00	21.00	20.00	26.00
Ahsea			14.00	10.00
Egela	19.00	21.00	29.00	19.00
Ahferom	14.00	0.00	14.00	10.00
Enticho town	14.00	18.00		
Bizet	14.00	17.00	14.00	13.00
Gulomekeda	2.00	2.00	14.00	28.00
Erob			22.00	19.00
Subha sasei			15.00	27.00
Edaga hamus	15.00	10.00		
Ganta afeshum			14.00	17.00
Adigrat	14.00	20.00		
Wereda Hawzen			10.00	9.00
Hawzen	18.00	17.00		
Tsaeda Emab			35.00	18.00
Freweini town	19.00	15.00		
Atsbi			14.00	28.00
Atsbi town	14.00	15.00		
Tsirae wemberta	5.00	6.00	20.00	22.00
Wukro	11.00	8.00		
Kilte Awlaelo			23.00	25.00
Gerealta			14.00	12.00
Degua temben			18.00	22.00
Hagereselam	35.00	20.00		
Enderta			28.00	13.00
Seharti	14.00	8.00	17.00	14.00
Samre	10.00	12.00	25.00	18.00

Woreda	reduced coping strategy index			
	urban		Rural	
	Median	interquartile range	Median	interquartile range
Hintalo	22.50	25.00	6.00	16.00
Adigudem	16.00	13.00		
Wajirat	10.00	10.00	24.00	18.00
Ayder	23.00	21.00		
Semen	22.00	16.00		
Quiha	26.00	21.00		
Kedamay Weyane	15.00	21.00		
Hawelti	12.00	15.00		
Adi Haki	18.00	24.00		
Hadnet	11.00	11.00		
Emba Alaje	12.00	8.00	32.00	9.00
Selewa			8.00	15.00
Bora			18.00	12.00
Neqsege			8.00	14.00
Enda mekoni			15.00	14.00
Maichew	15.00	9.00		
Mekoni town	8.00	8.00		
Raya Azebo			7.00	6.00
Raya Chercher	6.50	7.50	15.00	15.00
IDP			26.00	24.00

It is necessary but not sufficient that food secure households to have zero score of the reduced coping strategy index; and the higher the score, the worse the food insecurity problem. Table 10.1 shows that all Woredas had positive scores during the study period; the median scores could have been higher if the score was coping strategy index; but the above scores are reduced ones for universal comparability reasons. According to this index, almost all woredas had to use coping strategies to cope with food insecurity. Both the median and the interquartile of most woredas are two-digit indicating high index of food insecurity; the problem looks more in Abergele, Tsaeda Emba, Hagereselam, Alaje, Egela, Asgede, and in IDP centers. In urban

Ahferom woreda, we see that the interquartile range is zero showing that measures of coping strategy index are uniformly distributed there. Coping staretgy index is only a secondary measure of food security; decisions regarding food security measures should mainly depend on other measures like dietary diversity and food frequency, food consumption score, household hunger scale etc.

Table 0-2: Frequency of food shortage March 2015-February 2016, TSES 2016

Month	urban	Rural	Total
March	43474	165993	209467
April	42762	155412	198174
May	49674	218506	268180
June	62639	319540	382179
July	90052	413395	503447
August	97987	436260	534247
September	89977	338665	428642
October	56838	191512	248350
November	41475	114427	155902
December	35741	85280	121021
January	34997	70718	105715
February	34288	63682	97970

Households were asked if they faced food shortage to feed their household from March 2015 to February 2016; also to tell in which Months. The above table shows food shortage problem reportedly increase from February to January to December and all the way back to August. Also, the problem increases from April to May then to June and all the way forwards reaching the highest in August. The figures show, food problem in the seventy-five woredas and IDP centers are generally high. Even the smallest figure which happened in February is big; about thirty-four thousand two hundred eighty-eight in urban and sixty-three thousand six hundred eighty-two rural households reportedly faced shortage of food. In all months, rural figures are higher than urban ones.

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Table 0-3: No of months of Food Shortage households faced, TSES 2016

Woreda	Number of months of food shortage households faced												
	1	2	3	4	5	6	7	8	9	10	11	12	Total
Tsimbila	432	1,491	1,616	723	89	127	123	53	106	53	91	323	5,227
Endabguna	715	420	984	636	491	418	67		134				3,865
Asgede	910	1,252	1,045	2,234	1,532	4,873	44	44	124		44	90	12,192
Tahtay Adyabo	3,958	2,874	2,693	2,426	1,562	2,006	51	51	204			182	16,007
Sheraro	566	251	497	772	373	165	105	64		14		44	2,851
Maekel Adyabo	1,318	86	294	1,534	372	244						64	3,912
Seymti Adyabo	340	638	2,359	1,927	682	635	570	193			82	328	7,754
Aidaero	613	4,121	6,459	2,211	4,845	1,630				38		153	20,070
tahtay Koraro	1,337	588	1,587	1,081	345	414							5,352
Shire Endaselassie	2,774	2,749	3,110	1,277	1,171	1,058	205	152	152	94		147	12,889
Zana	1,063	2,960	1,250	1,684	2,307	658	132	66	66			132	10,318
Laelay koraro	1,628	4,508	3,447	661	637	62	41						10,984
Chila	43	68	137	58	266	1,523	472	83					2,650
Tahtay maichew	631	451	617	840	492	2,312	1,202	741		80		519	7,885
Adet	192	1,190	1,537	1,061	207	122							4,309
Laelay Maichew	439	1,017	1,861	1,496	2,619	1,232	157	48					8,869
Axum town	264	184	1,715	2,339	431	1,515	134				31		6,613
Naeder	109	1,085	2,539	4,311	946	325					22		9,337
Kola temben	971	1,042	1,656	1,820	1,845	2,418							9,752
Abergele	231	1,179	3,401	1,727	923	2,552	215	924	446	231		154	11,983
Tanqua milash	33	341	502	1,330	1,154	2,951	38	24	33			33	6,439
Abiadi	1,065	311	289	361	245	217	140		20			140	2,788
Keyih tekli	598	765	3,938	1,250	249	195	140				28		7,163
Mai kinetal	702	1,501	1,829	4,203	1,631	676	219	182		29		38	11,010
Endabatsehama	234	504	1,364	3,430	2,947	3,713	1,639	759	194				14,784
Embasineyti	104	1,008	3,818	3,026	1,164	1,710		104					10,934
Hahayle	609	2,393	3,825	2,241	1,061	1,733	611	483	69	552	276	594	14,447
Wereda Adwa	1,090	2,186	3,276	3,309	1,756	1,363	884	166	83	62	31	673	14,879
Adwa town	942	1,049	863	995	1,027	4,04	1,13	661	500	396	264	721	12,594

Woreda	Number of months of food shortage households faced												
	1	2	3	4	5	6	7	8	9	10	11	12	Total
						5	1						
Rama	277	873	2,630	3,673	826	1,242		53	86				9,660
Ahsea	32	604	789	548	584	1,214							3,771
Egela	540	122	247	86	235	817	304	67	48			1,008	3,474
Ahferom	133	1,515	4,478	2,059	1,481	4,870	609						15,145
Enticho town	182	765	750	190	113	82	51	52			13	66	2,264
Bizet	118	159	426	511	1,188	877	92	18		54	18	36	3,497
Gulomekeda	331	1,492	1,141	794	845	893	320	281	101	88	107	77	6,470
Erob	1,473	600	352	121		23							2,569
Subha sasei	1,618	295	844	377	552	2,095	377	102	102	51	71	1,561	8,045
Edaga hamus	1,493	1,400	1,545	471	107	14	7						5,037
Ganta afeshum	122	170	271	236	726	2,056	570	342					4,493
Adigrat	4,052	2,877	2,551	267	137	2,017	258					504	12,663
Wereda Hawzen	110	316	1,228	1,733	1,262	666	40						5,355
Hawzen	94	56	487	545	303	150							1,635
Tsaeda Emab	188	580	4,212	1,904	297	3,009	420	386	584	609		1,020	13,209
Freweini town	91	282	754	500	313	691	354	262	85	47	9	418	3,806
Atsbi		176	343	1,193	2,296	1,337	444	646	285	118			6,838
Atsbi town	75	98	108	198	712	451	87	46	100		42	33	1,950
Tsirae wemberta	750	628	2,384	506	376	340	152	190	304	94		114	5,838
Wukro	1,352	4,845	3,956	734	95	136				75		47	11,240
Kilte Awlaelo	2,288	377	438	113	92	238							3,546
Gerealta	437	1,764	1,833	1,131	1,000	936	18						7,119
Degua temben	570	1,019	1,898	2,133	1,164	919	151	213	35	35	27	35	8,199
Hagereselam	30	52	62	81	58	336	61	14	18		44	186	942
Enderta	1,923	4,711	14,493	2,966	1,923	3,737	809	756	53				31,371
Seharti	1,173	1,363	1,638	157	198	64	73		73			73	4,812
Samre	190	95	1,716	193		193		22			255	1,989	4,653
Hintalo	1,836	1,715	4,657	3,971	978	226							13,383
Adigudem	480	290	214	80	122	274	14		14	14	10	55	1,567
Wajirat	44	814	837	4,115	909	550	105		35			140	7,549
Ayder	193	274	942	1,728	2,269	3,24	260	206	515	309	1,133		11,070

Woreda	Number of months of food shortage households faced												
	1	2	3	4	5	6	7	8	9	10	11	12	Total
						1							
Semen	428	2,035	4,005	3,063	654	1,050	1,179	566	173	42	79	222	13,496
Quiha	688	411	599	488	270	280		28	28			224	3,016
Kedamay Weyane	631	654	660	386	515	367	41		127	33		140	3,554
Hawelti	1,006	1,224	723	638	245	2,003	55					57	5,951
Adi Haki	2,626	2,080	1,325	880	470	942							8,323
Hadnet	4,455	3,007	1,687	1,226	794	484	29						11,682
Emba Alaje	908	907	571	1,287	403	23							4,099
Selewa	915	780	623	1,689	240	248	241	54	9				4,799
Bora		113	595	617	656	696	127	44	11				2,859
Neqsege	42	114	1,828	944	479	168				19	19		3,613
Enda mekoni	168	198	235	797	111								1,509
Maichew	857	303	520	845	328	95						126	3,074
Mekoni town	1,471	696	232	232		348							2,979
Raya Azebo	3,019	2,386	2,149	1,555	626	2,090	466	488	448	418	32	130	13,807
Raya Chercher	1,373	327	694	470	238	34							3,136
IDP	4,308	13,184	19,624	20,472	17,858	56,124	7,497	8,865	7,497	5,831	833	9,212	171,305
Tigray*	69,001	96,958	152,802	119,866	78,417	139,538	23,531	18,499	12,862	9,386	3,561	21,808	746,229

Households were asked whether they faced food shortage in the months from March 2015 to February 2016. The above figures show the number of households who responded yes in each month. The numbers are high. From the table, one can see that one hundred forty thousand households faced food shortage for one-half of the study period; more than one hundred fifty thousand for a quarter of the study period, and about one hundred twenty thousand households for one-third of the study period. About twenty-one thousand eight hundred reportedly faced food shortage in all months. Over all, the table indicates high food shortage problem in Tigray woredas then administered by the interim administration.

Table 0-4: Main causes of food shortage, TSES 2016

Woreda	main cause of food shortage					
	drought	pest	small	lack of farm	expensive food	lack of food
Tsimbila	2128	563	1654	426		
Endabguna	383		513	81	1719	734
Asgede	6411	594	2484	1031	1300	
Tahtay Adyabo	7278	1758	2592	1069	362	1433
Sheraro	150	137	53	42	908	1368
Maekel Adyabo	308		64	58	2390	938
Seymti Adyabo	1432	822	2938	1226	392	72
Adidaero	6201	2373	2690	1259	2903	4303
tahtay Koraro	69	347	2113	563	573	333
Shire	379	141	350	1008	9497	355
Zana	920	718	4309	451	1190	2403
Laelay koraro	2823	296	4273	1024	1170	
Chila	2531		119			
Tahtay maichew	2182	1142	2108	846	1231	78
Adet	615	331	686	305	1679	164
Laelay Maichew	1395	1773	2764	250	991	804
Axum town	2934	243	382	852	1509	327
Neader	5360	440	2434	537	323	
Kola temben	2227	2151	4027		314	625
Abergele	10802	146	425	32	372	
Tanqua milash	4297	1068	566	87	248	138
Abiadi	427			63	903	1089
Keyih tekli	1854	453	2831	939	759	96
Mai kinetal	6557	1009	582	422	969	1347
Endabatsehama	2794	216	2329	1055	7813	213
Embasineyti	7801	81	549	1195	997	257
Hahayle	5255	912	5946	208	1836	254
Wereda Adwa	3941	1715	6494	1068	615	67
Adwa town	3142	629	508	620	7244	165
Rama	5656	214	477	522	1588	110
Ahsea	2841	129	351	18	69	344

Woreda	main cause of food shortage					
	drought	pest	small	lack of farm	expensive food	lack of food
Egela	1236	124	157	22	244	610
Ahferom	4127	1362	6550	323	2339	167
Enticho town	198		27	27	1741	243
Bizet	2828	18	64	24	451	23
Gulomekeda	3898		310	170	1335	232
Erob	2270		58	59	138	44
Subha sasei	7265	29	109	40	602	
Edaga hamus	3631			48	1177	174
Ganta afeshum	3417		38		928	47
Adigrat	3293	85			7044	1627
Wereda Hawzen	2021	177	1934	677	336	
Hawzen				38	1231	366
Tsaeda Emab	11613	48	206	64	959	79
Freweini town	249			13	3403	50
Atsbi	5507		351	147	384	124
Atsbi town	1503			13	424	
Tsirae wemberta	3663		448	156	1571	
Wukro	81	72	24	372	8549	1123
Kilte Awlaelo	2949	21	331	42	128	
Gerealta	6050		79	111	742	51
Degua temben	1531	659	4339	988	31	
Hagereselam	781	30	11		24	72
Enderta	24554	744	3169	373	1083	389
Seharti	2776	219	344	115	974	58
Samre	3612	40	326	253	296	
Hintalo	11771		519	579	138	96
Adigudem	346	39	84	67	931	76
Wajirat	4156		1387	429	1235	192
Ayder	47	66	66	132	9430	1108
Semen	3940		138	217	5476	2904
Quiha	282		52	153	2059	214
Kedamay	84				2695	703

Woreda	main cause of food shortage					
	drought	pest	small	lack of farm	expensive food	lack of food
Hawelti	289			184	3500	1464
Adi Haki	2903		40	408	2629	364
Hadnet	217		87	103	10137	655
Emba Alaje	1578	46	573	92	1638	129
Selewa	4258	111	128	129	102	71
Bora	2600	84	28		56	
Neqsege	2465	150	481	167	299	
Enda mekoni	1403		69	37		
Maichew	559	26	249	206	1588	282
Mekoni town	658	348	155	464	735	619
Raya Azebo	12784		226		590	
Raya Chercher	2446	15	98	269	108	97
IDP	834				59630	39436
Tigray*			80866	24968	190974	71906

It has been inferred from the study that more than two hundred fifty thousand households had been affected by drought, also all studied woredas except Howzen had been affected by it; close to one hundred ninety-one thousand had been affected by expensive food price. More than one hundred fifty thousand households perceived that they had been affected by either small land or lack of food supply. About fifty thousand had been affected by either pests or lack of farm inputs. Out of the shocks, drought had been most severe in almost all woredas; most drought affected woredas include Enderta, Raya Azebo, Tsaeda Emba, Abergele, Adyabo, Embasineyti and nearby Woredas. The table shows heterogeneity of the causes across woredas; For example, pests is a problem in Tsimbla but not in Endabaguna; high price is a huge problem in Wukro but not in Enda Mekoni. In the IDP centers, the main causes of food shortage are high prices and lack of food supply.

Table 0-5: Distribution of shocks: March 2015(2023 GC)-February 2016(2024), TSES 2016

Woreda	Death-earner	Death-u-5	Death-other-member	illness	Loss-nonfarm-job	drought	flood	landslide	Heavy rain	Other-crop-damage	Food-price-fall	Food-price-rise	Input-price-rise	Death-livestock	Fire	Theft/roberry	Inv. Loss	displacement	violence	Rape
Tsimbila	63	19	101	396	101	571			95	325		487	817	81		126	63			
Endabguna	66	58	66	474	110	258				94	44	2063	44			66	27	33	81	33
Asgede	354		209	3274	94	4104			801	771	36	2254	2468	44		94	372		553	
Tahtay Adyabo	696	236	531	4131	59	1769			102	516		340	51	631		527	683	59		59
Sheraro	416		142	1431	69	62	55			162		2370				38	45	100		
Maekel Adyabo	992	196		179	24	3024				66		2874	540	82						
Seymti Adyabo	600			592		2115	108		474	850	18	2509	2155		36			36		
Adidaero	1331	67	5119	4515		694	679		4445	2155	232	3326	154	298	149	1128	438	2402	116	
tahtay Koraro	593		116	625	52	412	500		138	3077	88	5019	909			116	586	52		
Shire Endaselassie	830		2877	5988	3219	150			124	303		5163				601	675	411		
Zana	565		96	1528		106	245					2592	1128		45			114		
Laelay koraro	538	296	41	1344	242	4101	248		572	1529		2391	3158	582	67	482	64	40		
Chila	33			161	25	1859				1797		1384	980	33		33	58	149		
Tahtay maichew	1558	97	768	2740	496	2382	102		97	593	107	6212	777		93	436	204	114		
Adet	222	38		577	544	943	41			1452		3678	20	71		41		53		
Laelay Maichew	144		17	1374	50	456	256		50	1551		1424	2685	200	47	163			48	
Axum town	1020		1255	5117	3203	18				109	489	11295	565	103		118				
Neader	145		225	680	124	4388	590	25	2094	2911		1999	531	172		183	40		57	
Kola temben	108			225	246	1563			47	1377	202	716	305	148					101	
Abergele	511		78	1276	177	20011	46			2753		4617	3167	251				78		86

Woreda	Death-earner	Death-u-5	Death-other-member	illness	Loss-nonfarm-job	drought	flood	landslide	Heavy rain	Other-crop-damage	Food-price-fall	Food-price-rise	Input-price-rise	Death-livestock	Fire	Theft/roberry	Inv. Loss	displacement	violence	Rape
Tanqua milash	108	33	184	203	144	3714	19			978	27	2044	687	35			27	165		
Abiadi	101			174		63				38		903								
Keyih tekli	223	12	108	211	360	144				776		2144	159				49	12		
Mai kinetal	965	47	70	1886	26	6487	534	69	26	1065	23	1985	1160	326	78	134	116	116	62	
Endabatsehama	359		94	1399	159	2930	846	1786	141	1125	279	4887	916				348	356		
Embasineyti	410		43	1030	432	8386	93			136		4277	264			54				
Hahayle	488	64	129	5223	153	3130	226	93	32	2469		5372	2149	147			153	109		
Wereda Adwa	1723		354	1911	52	2938	119		235	647	67	2198	1700	163		188		52		
Adwa town	292	45		2474		1614					391	7776				154	217			
Rama	415	92	70	701	1053	2440	86	60	328	492		3064	2066	84		86	936	92	110	
Ahsea	81		415	820	200	1881						410	62						43	
Egela	348	48	454	1080	19	1474				101		1803	708	354	19	175	15	3544	64	
Ahferom	890	115	65	2188	123	1256	147	213	1336	1680		4953	801	332	29	104	96	29		18
Enticho town	114		24	613	282	13						1519			12	13	13	46	12	
Bizet	306		936	512		2294	33	90			47	1269	33	24		33			24	33
Gulomekeda	107		128	415	52	10026				591		1814	33		25		33			
Erob	114		52	667		3817				22		338	22							
Subha sasei	264		80	312	58	9938				138	90	3647	1661	107			40	40		
Edaga hamus	88	166	287	1177	7	4457			14		30	2658					111	63	90	
Ganta afeshum	772	32	320	1536	480	17127		32		391		5351	3496			110	192	255		64
Adigrat	771	78	402	3012	188	9874	82			78	59	22567				746	267			
Wereda Hawzen	445	33	344	1099	70	564	33			446		1114	275	104		37		104		

Woreda	Death-earner	Death-u-5	Death-other-member	illness	Loss-nonfarm-job	drought	flood	landslide	Heavy rain	Other-crop-damage	Food-price-fall	Food-price-rise	Input-price-rise	Death-livestock	Fire	Theft/roberry	Inv. Loss	displacement	violence	Rape
Hawzen	412	19	175	27		142				50	19	3742		4		64	57		15	
Tsaeda Emab	355		115	873	166	12147	48			1456		1998	397	96		48		266		
Freweini town	276	18	92	2210	21	520				22	74	2777		9		224	137	294		
Atsbi	137			505		7057	90			1800	20	2992		66		24	25			
Atsbi town	147	30	152	850		4413	18			26		2216	12			110		36		
Tsirae wemberta	540		1043	2864	257	10672				183	132	9239	1635	112		297	51	51		
Wukro	148		150			1076						8432				141	95		82	
Kilte Awlaelo	508		42	431	224	2849	92			368		1651				136				
Gerealta	607	74	161	2262	331	7965	366			1285	50	4099	1679	86		55	108	25		
Degua temben	578	100	558	1850	325	1442	142		33	1731	62	1945	953	74		164	65	919	66	
Hagereselam	402	346	297	187	62	1083	7	68		190		561	7	8		91	77	16	24	55
Enderta	1176	123	985	4881	603	20091			79	311	272	15253	4901	329		123	276	1533		
Seharti	636	168	325	1224	830	299		37		329	58	4056	2583	184		40	167			
Samre	292		300	40	71	2302			100	1850	51	91	880	102	75	75				
Hintalo	85		27	516	106	20103				37	26	1907	329	41						
Adigudem	321		54	457	77	800			14	9	7	2388	244			49	63	41		
Wajirat	216			564		6529	366			44	30	3137	164			37	15	148		
Ayder	228	66	54	2757	530	23					273	17354			24	132	24	100		
Semen	425		174	1528		1143				118	79	7977				54	257	154		
Quiha	104			115	70	2363				563	124	5705	128			62		72		
Kedamay Weyane	479		210	1106	723	456					142	3350				47	24	12		

Woreda	Death-earner	Death-u-5	Death-other-member	illness	Loss-nonfarm-job	drought	flood	landslide	Heavy rain	Other-crop-damage	Food-price-fall	Food-price-rise	Input-price-rise	Death-livestock	Fire	Theft/roberry	Inv. Loss	displacement	violence	Rape
Hawelti	1244	92	551	1758	74	281					78	6985				62	62		70	
Adi Haki	978	218	2242	1857	74	2971				20	166	5942	368	80		252	308	162	64	80
Hadnet	1823		854	2253		333						5297	188			103	29			87
Emba Alaje	116			795	23	4176				263	29	2767	66	43		405	29	69		23
Selewa	128	27		550		1385				143		126						9		
Bora	74		14	74	35	2614						86	70			35	70		140	70
Neqsege	127	19	57	435		3861	107		23	45		784			42	26	363	84		
Enda mekoni	44		123	449		3826	37			449	31	3442	823	25		56		73		
Maichew	85		49	216		96					66	3295					36	252		
Mekoni town	619		696	2321	232	13911	116			580	658	16377	155			851	1160	271	116	
Raya Azebo	135	115		1497	1180	11911				1173	91	5987	259	331		21	345	565		
Raya Chercher	373	19	41	1271		3442				56		1283		104		189	19	19		
IDP	755	33	389	2497	933	1451					33	5158				834	330	122774		395
Total	34742	3239	26130	106490	19640	297286	6477	2473	11400	46665	4800	303205	52487	6066	741	10793	10060	136569	1938	1003

Households were asked if they faced shocks mentioned as column variables in table 10.5 in the study period. The table entries show the number of households who faced the shocks. The ideal table should have been filled in zeros, i. e no households faced shocks. In contrast, the body of the table is full of positive, mostly large numbers. Table 9.1.1 indicates the most prevalent shocks in the seventy-five woredas of Tigray including IDP are drought and price rise of food items. About three hundred thousand households had been affected by drought and food price rise. Displacement had also been very prevalent; more than one hundred thirty-five thousand households had been affected. Over sixty thousand households had been affected by one of the three shocks - death of main earner, death of children under the age of five or death of other members. This figure is huge considering more than one death could have occurred in a household and the fact that the impact of death is a real disaster. The incidence of death had been highest in Adidaero, Adwa and Hadnet. The unweighted number of sampled households varies from a minimum of 315 in Bora to a maximum of 450 in Ahferom, Adet and some subcities in Mekelle. But the variance of number of deaths is disproportionally higher. Over one hundred five thousand households had been reportedly affected by illness. The prevalence of illness had been relatively higher in Hahayle, Axum, Endasilassie Shire and Mekelle. Provided the incidence of severe crimes amidst the genocidal war waged on Tigray, rape looks less reported. Even so, its incidence in the IDP centers, Adi Haki, Hadnet, Hageselam, Ganta Afeshum, Abergele, Tahtay Adyabo, and Endabaguna demands attention. The table looks scattered around flood, landslide and fire. However, since the effect of fire break out could be detrimental, the woredas where the incidence is high, Samre and Neqsege, for example, should be attended. It is important to back up by other studies if the incidence is one-off or repeated over time.

Table 0-6: Most severe Shocks: March 2015(2023)-February 2016 E.C. (2024 G.C), TSES 2016

Woreda	Most severe shocks																		
	Death-earner	illness	Loss-nonfarm-job	drought	flood	landslides	Heavy rain	Other crop damage	Food-price fall	Price-rice food	Increase-price inputs	Death-livestock	fire	Theft/robbery	Involuntary loss	displacement	violence	rape	other	total
Tsimbila	504	466	216	524	32		200	298	63	297	494	56		164	176		126	500	56	4172
Endabguna	241	664		159			67	27	66	4071				66	186	118	27	33	296	6021
Asgede	362	4705		2038			1412	1041	144	1212	2476	282	94	188	590		305		44	14893
Tahtay Adyabo	623	2391	135	1623			135	291		195	372	277	41	1528	515	432	135			8693
Sheraro	1278	826		14	78			191		1746				228	38	553		280	126	5358
Maekel Adyabo	1082	91		3107		24		66		1114	24	82		48	24			24		5686
Seymti Adyabo	606	558	136	2079	120	36	582	1132	30	526	354							72	36	6267
Aidaero	1297	4508	416	843	265		2712	1839		2145	265	149	116	717	765	931	116		430	17514
tahtay Koraro	972	678	24	48	276			2543	151	3646	485			204	1224	277			842	11370
Shire Endaselassie	671	5315	864	97						1882	44				55	616			380	9924
Zana	319	2152	96	106	216			153		1983	876		45	29		114			1547	7636
Laelay koraro	528	1145	201	4021	656		362	2150		2643	2686	502	67	415	67	226			2862	18531
Chila	66	161	58	2257		42		223		86	182			33	50	83			129	3370
Tahtay maichew	1491	3086	285	2448	57		97	468	60	3436	190	66	60	534	140	57	126		737	13338
Adet	3254	431	1228	3797	23		102	847	73	1894	209	120		98	98	53			4335	16562
Laelay Maichew	238	1131		540	101			1131		1209	731	150	47	2136			816	36	158	8424
Axum town	789	3746	309	103					178	7421	142			211	39	39			64	13041
Neader	204	399	76	1946	622	25	1833	1193	32	2149	571	100							208	9358
Kola temben	358	575	563	2451			103	438		1388	470			37	86		43		125	6637

Woreda	Most severe shocks																		
	Death-earner	illness	Loss-nonfarm-job	drought	flood	landslides	Heavy rain	Other crop damage	Food-price fall	Price-rice food	Increase-price inputs	Death-livestock	fire	Theft/robbery	Involuntary loss	displacement	violence	rape	other	total
Abergele	369	959	271	16493	24			86	32	245	476	12				32			609	19608
Tanqua milash	141	313	211	2863	100			773		785	455	68			50	192			400	6351
Abiadi	891	116		549	88					880				44	11	264	129		201	3173
Keyih tekli	325	255	310	185	98		98	375		1791	208				38	12			1319	5014
Mai kinetal	712	1410	26	4964	23	17	26	367		641	52	71	23	147	826		31		352	9688
Endabatsehama	345	615		2712	94	94		474	256	5319	357	72			177	309	33		369	11226
Embasineyti	147	691	537	7073	166			26	31	1037	206			27	27				5119	15087
Hahayle	396	3976		1874	98	34		628		4445	869	49			94	110			95	12668
Wereda Adwa	1675	2067	153	3524	119	31	79	1000	119	2292	1337		84	235	84		203	84	750	13836
Adwa town	209	2615	182	1278		59			24	7020	64			109	64				312	11936
Rama	302	639	292	1746	24		172	272	40	1654	766				391	70				6368
Ahsea	124	739	157	1810						728	247							76	157	4038
Egela	348	957	19	1715				31		1077	95	134	19	74		2561	62	27	831	7950
Ahferom	981	1907	161	1226	191	166	1193	1183	112	4109	293	358	76	77	50	47		18	115	12263
Enticho town	216	558	210	48				13	39	1472					38	79	12			2685
Bizet	190	471		2341	28			36		1079	12				97		24		237	4515
Gulomekeda	15	383		10058				562		1811	218		25		33		49			13154
Erob	122	240		3991	18					283						145				4799
Subha sasei	244	160	58	8245	20			58	25	3072	29			29		29			29	11998
Edaga hamus	170	1084		3914					83	1896					14	32			21	7214

Woreda	Most severe shocks																		
	Death-earner	illness	Loss-nonfarm-job	drought	flood	landslides	Heavy rain	Other crop damage	Food-price fall	Price-rice food	Increase-price inputs	Death-livestock	fire	Theft/robbery	Involuntary loss	displacement	violence	rape	other	total
Ganta afeshum	1129	2510		10188	1918	344	206	168	116	2236	290	250	76	38	96	268	76	192	110	20211
Adigrat	598	1827	1020	8391	980		242	78	90	13005	78			540	177	95	175		4005	31301
Wereda Hawzen	533	1102	37	657	33			409		632	94	104		37	33	104			20	3795
Hawzen	1164	496		968				4	93	1531				4	38				248	4546
Tsaeda Emab	355	755	47	11349	296			271	31	976	198	48				132			310	14768
Freweini town	290	1428	21	117				11	35	1871				63	76	180			111	4203
Atsbi	54	324		6327	92			153		1253		33								8236
Atsbi town	66	575		2189	118	10		59	68	1742	33	10	20	178	30		20		130	5248
Tsirae wemberta	458	1542	186	10232				549	99	3590	38			164	183	82			102	17225
Wukro	201	40	40	1397	42				84	8324				683	284		24		120	11239
Kilte Awlaelo	393	441	228	2827	205			368	21	2247	21	21		92						6864
Gerealta	680	1399	50	5691				277	37	836	66				24		68		301	9429
Degua temben	599	1762	311	1107	101		33	892	62	1147	366	107	33	207	126	418	99	16	130	7516
Hagereselam	153	103	17	550	6	50	8	84		155	31	8		111	290	37	8	7	32	1650
Enderta	1278	3596	611	17599	60				315	5870	1183	123		246	246	1533			1365	34025
Seharti	480	1098	1521	493				228	204	5102	628	64	84	84	199				146	10331
Samre	54		20	1264			60	415		20	20				24		73	24	4995	6969
Hintalo	389	585	184	19262	41			41	111	2434	231	41					85	23	170	23597
Adigudem	253	188		368	21	21	15	25	30	1899	58	21			112	99	21	49	105	3285

Woreda	Most severe shocks																		
	Death-earner	illness	Loss-nonfarm-job	drought	flood	landslides	Heavy rain	Other crop damage	Food-price fall	Price-rice food	Increase-price inputs	Death-livestock	fire	Theft/robbery	Involuntary loss	displacement	violence	rape	other	total
Wajirat	249	512		5375	259			44		1811						178				8428
Ayder	337	2144	333	100					75	17509				153	24	74			1424	22173
Semen	395	1470	42	1366			178	59	101	6283	45	136		69	196	335	136		811	11622
Quiha	308	152	55	1028				479	139	5484	179			107	71	110			66	8178
Kedamay Weyane	557	998	783	270	47				342	2493				47	24					5561
Hawelti	1194	1539	74	57					78	6589				174	62	62	70		761	10660
Adi Haki	1024	1511	75	2044					450	3093		80		54	400	108		80	965	9884
Hadnet	2167	1059		402		113				3877	29			103	254	87			203	8294
Emba Alaje	110	794	43	2834			16	336	223	3274	121			173		46	23	61	76	8130
Selewa	74	412		1417				563		430	34					9				2939
Bora	39	46		2393	39			28		46	137						245	35	1896	4904
Neqsege	151	373	30	3724	561			15	42	703	57			124	549	263	42	90	21	6745
Enda mekoni	154	521	37	4485			73	1121	123	2155	1147	25		73	73				237	10224
Maichew	85	233		266					132	2588				66	36	413			36	3855
Mekoni town	1200	1663	271	5967	116			580	116	8123				1510	1160	3216	271	1240		25433
Raya Azebo	369	1141	230	11691				163		1084		93	21			1386			1572	17750
Raya Chercher	680	1188	26	3251	75			30		607		30		111	76	60		82	75	6291
IDP	3854	9851		6707		33				18234		834		103	1931	101019	2600	697	4379	150242
Tigray*	44879	98561	13486	259163	8547	1099	10004	27365	4775	219932	21339	4576	931	12692	12841	117695	6273	3746	48213	916117

Table 9.1.1 is about incidence of shocks regardless of their impact on households, but table 10.6 is about the most severe shocks households perceived in the study period. Households were asked to report their perception on the most impactful of the shocks that affected them. Entries show the number of households who had been affected by the indicated shocks in the column. The figures show that drought, price rise of food, displacement, illness and death had been perceived to have been highly impactful in relative terms. Comparing table 10.4 entries to table 10.5 entries, entries of 10.6 are scantier. These could imply that households have somehow managed to control the effect of the shocks.

Table 0-7: Main Coping Strategies to death of bread winner: March 2015(2023)-Feb 2016(2024), TSES 2016(2024)

Woreda	coping strategy to death of main earner														
	own-saving	relatives/friend help	gov't support	relief support	change eating habits	additional job	unemployed look for jobs	migrate to work	reduce health and educ expense	credit	sell livestock	sell durables	do nothing	other	Total
Tsimbila		63													63
Endabguna	33	33													66
Asgede	88	158				36	36							36	354
Tahtay Adyabo	255	59			205					59	59	59			696
Sheraro	208	28	76	14	76		14								416
Maekel Adyabo	528	198	64	202											992
Seymti Adyabo		154	332			60	30					24			600
Aidaero	453	116	153		193									118	1033
tahtay Koraro	81	88										104		320	593

Woreda	coping strategy to death of main earner														
	own-saving	relatives/friend help	gov't support	relief support	change eating habits	additional job	unemployed look for jobs	migrate to work	reduce health and educ expense	credit	sell livestock	sell durables	do nothing	other	Total
Shire Endaselassie	69	259			234								215	53	830
Zana	92	205		66						29	39	39			470
Laelay koraro	40	62	315	54						67					538
Chila		33													33
Tahtay maichew	546	290			489				126						1451
Adet	71	110			41										222
Laelay Maichew	47	50			47										144
Axum town	387	269			310					54					1020
Neader	25	40	40	40											145
Kola temben			54	54											108
Abergele		86	100		56							183		86	511
Tanqua milash					89					19					108
Abiadi	38		44	19											101
Keyih tekli	38	12		76					48					49	223
Mai kinetal	17	174	57	23	198	79			17	255		47			867
Endabatsehama		152		33	80						94				359
Embasineyti		316	24		27										367
Hahayle	108	154		51	60				36	79					488
Wereda Adwa		714	152		649				67					22	1604
Adwa town		81			45								83	83	292
Rama		276			139										415
Ahsea		38			43										81

Woreda	coping strategy to death of main earner														
	own-saving	relatives/friend help	gov't support	relief support	change eating habits	additional job	unemployed look for jobs	migrate to work	reduce health and educ expense	credit	sell livestock	sell durables	do nothing	other	Total
Egela	38	88	19	27	44					110					326
Ahferom	263	273	74		148					36		49			843
Enticho town	13	22							42	26			11		114
Bizet	48	45		117					33			28	23	12	306
Gulomekeda										107					107
Erob	26				42				23			23			114
Subha sasei			81		129									54	264
Edaga hamus	26	27	7	7	21										88
Ganta afeshum	269	64	55		160					128	96				772
Adigrat		156	85		244					208			78		771
Wereda Hawzen	133	104	104									104			445
Hawzen	4	85	192	24	107										412
Tsaeda Emab		204			104					47					355
Freweini town	42	127		14	40								32		255
Atsbi		29	29	25	29					25					137
Atsbi town	40	12	15	12	38										117
Tsirae wemberta	127	230	81		56							46			540
Wukro	41	66			41										148
Kilte Awlaelo	273	78			44	92	21								508
Gerealta	241	54			183	27						102			607
Degua temben	138	37	111		200				31			61			578
Hagereselam	88	73	44	91	62	8									366

Woreda	coping strategy to death of main earner														
	own-saving	relatives/friend help	gov't support	relief support	change eating habits	additional job	unemployed look for jobs	migrate to work	reduce health and educ expense	credit	sell livestock	sell durables	do nothing	other	Total
Enderta		120	330		342	162				60					1014
Seharti		73	52		288		77	52					42		584
Samre		126								146				20	292
Hintalo							85								85
Adigudem	49	35	14		169					39				15	321
Wajirat	133	39										22		22	216
Ayder	54	174													228
Semen	165	42			98				60				60		425
Quiha	40		24										40		104
Kedamay Weyane	260	160			12									47	479
Hawelti	92	341	428				181			128				74	1244
Adi Haki	80	367	128		121		64	54		84					898
Hadnet	680	579		80	310						87		87		1823
Emba Alaje		29		29	58										116
Selewa	27	38			9			27	27						128
Bora	14	14	35							11					74
Neqsege		49								78					127
Enda mekoni			44												44
Maichew		55			17					13					85
Mekoni town	271	232	116												619
Raya Azebo	42		72				21								135
Raya Chercher	30	48	123	15						52	30	56		19	373

Woreda	coping strategy to death of main earner														
	own-saving	relatives/friend help	gov't support	relief support	change eating habits	additional job	unemployed look for jobs	migrate to work	reduce health and educ expense	credit	sell livestock	sell durables	do nothing	other	Total
IDP		118	59	59	269					250					755
Tigray	6871	8631	3733	1132	6366	464	529	133	510	2110	405	947	671	1030	33532

Table 10.7 shows that most households used help from friends/relatives, own-saving or changing eating habits to cope with the effect of death of bread winner-a person who contributes most resources for a households livelihoods. Out of the coping mechanisms, own-saving is the most credible option; there had been widespread variation in own saving among woredas; No household used to own-save in a lot of woredas such as Neqsege, Endamekoni, Maichew, Samre, Rama, Abergele and Tsimbla whereas over five hundred households used it in woredas such as Tahtay Maichew and Maekel Adyabo. The IDPs need special attention in the case of saving. No household used it as an option of coping mechanism. Unpublished study by Tigray Statistics Agency in 2022 indicates that virtually all IDPs had been displaced because of war and most of their properties including financial had been robbed by the perpetrators, and hence left with little to save. Government and NGOs are expected to help but the result shows only 59 IDP households used government support when death of bread winner happened. What is more worrying about IDPs is that, among households who use coping mechanism to cope with death of bread winner, most used changing eating habits and credit? Both mechanisms have bad long-run effects. Government support and reducing health and expenses had also been great. Reducing education and health expenses could have long-run effects on health and productivity. It requires government intervention. One expects equitable government support among woredas from a democratic government. However, table 10.7 tells another story. The sources of the variation should be studied. A lot of households also

reportedly suffer from death of main bread earner doing nothing as a coping mechanism. These type of households could have been supported by the interim administration or some facilitation of it as the most vulnerable segment of the society.

Table 0-8: Main Coping Strategies to illness of household: March 2015(2023)-Feb 2016(2024), TSES 2016 (2024)

Woreda	first coping strategy of illness of household member(s)														
	own-saving	relatives/friend help	gov't support	relief support	change eating habits	additional job	unemployed look for jobs	migrate to work	reduce health and educ expense	credit	sell livestock	sell durables	do nothing	other	Total
Tsimbila	196	128										72			396
Endabguna	167	226			27			27		27					474
Asgede	1406	997	46	156						309		62	94	160	3230
Tahtay Adyabo	109	721	225	661	548	59	51	150	511	59		919		118	4131
Sheraro	1078	149			76								14		1317
Maekel Adyabo		82	73												155
Seymti Adyabo	164	54	60			30	30					90			428
Adidaero	1813	988	457		387					302		38			3985
tahtay Koraro	225	52	63	63						138		56		28	625
Shire Endaselassie	1495	1340	55	55	2629					69			122		5765
Zana	376	448	144	66	29					228	48	141	48		1528
Laelay koraro	321	123	361	108	391							40			1344
Chila		62			99										161
Tahtay maichew	1224	542		97	463				31	97		80	80	126	2740
Adet	41	220		176	41					23			38	38	577

Woreda	first coping strategy of illness of household member(s)														
	own-saving	relatives/friend help	gov't support	relief support	change eating habits	additional job	unemployed look for jobs	migrate to work	reduce health and educ expense	credit	sell livestock	sell durables	do nothing	other	Total
Laelay Maichew	141	673		50						460			50		1374
Axum town	2829	1581		9	112					9			93	54	4687
Naeder	118	264	118		22					101		57			680
Kola temben	54	37		60	37				37						225
Abergele	741	127		23	163					100		61	61		1276
Tanqua milash		114	27		35							27			203
Abiadi	45	13	29		87										174
Keyih tekli	38	24	36							53		12		48	211
Mai kinetal	78	516	23	88	526	62			154	235		204			1886
Endabatsehama	33	648	429	66	48						94	81			1399
Embasineyti	168	232	141		121					183		75	110		1030
Hahayle	1872	618	478	530	663		59		36	677		32	60		5025
Wereda Adwa	87	509	70		1024					221					1911
Adwa town	581	560			615				118	354			163		2391
Rama	168				345				16	86		86			701
Ahsea		129		43	43				43	38		253		271	820
Egela	313	153	46	22	414			48	15	19				31	1061
Ahferom	514	782		18	311	18				350	49	121		25	2188
Enticho town	76	134	40	23	75		11		167	76					602
Bizet	33	248		70	105			23							479
Gulomekeda	85	189			66				43			32			415

Woreda	first coping strategy of illness of household member(s)														
	own-saving	relatives/friend help	gov't support	relief support	change eating habits	additional job	unemployed look for jobs	migrate to work	reduce health and educ expense	credit	sell livestock	sell durables	do nothing	other	Total
Erob	147	121	13		202					37		98	36	13	667
Subha sasei	138	65	29		80										312
Edaga hamus	338	280	53		459				26			7			1163
Ganta afeshum	165	394	133		249					288	96	58	64	63	1510
Adigrat	488	978			747				85	345		59	310		3012
Wereda Hawzen	296	57			234							472			1059
Hawzen	27														27
Tsaeda Emba	79	235	68		47			32		236		176			873
Freweini town	362	1075	33	44	215					292		21	147		2189
Atsbi	35	342	35		25							68			505
Atsbi town	249	357	49		43	13				98					809
Tsirae wemberta	1123	482			280				61	258	61	472	46	81	2864
Kilte Awlaelo	247	130					54								431
Gerealta	1165	409	31		193					109		306			2213
Degua temben	688	155	254	37	516				64	96		8			1818
Hagereselam	24	51	15	26	14	15			14	14			14		187
Enderta	710	830	1031	60	1128					500		311		311	4881
Seharti	561	168			311	80		104							1224
Samre		20												20	40
Hintalo	96	110			191					69			23		489
Adigudem	215	68		21	114					39					457

Woreda	first coping strategy of illness of household member(s)														
	own-saving	relatives/friend help	gov't support	relief support	change eating habits	additional job	unemployed look for jobs	migrate to work	reduce health and educ expense	credit	sell livestock	sell durables	do nothing	other	Total
Wajirat	186			171	30					44		89			520
Ayder	657	252		50	1750					24				24	2757
Semen	427	255			371				59	157			42	138	1449
Quiha	51	24										40			115
Kedamay Weyane	720	269		24	48					12					1073
Hawelti	595	339	169		92		62			170			184	55	1666
Adi Haki	650	641	80		179					179			74	54	1857
Hadnet	716	560	149		295					86					1806
Emba Alaje	187	339		43	138	29				43	16				795
Selewa	108	109	98	9				81	27			72	27		531
Bora	14				32								28		74
Neqsege	15	149	38		43				19	130	26			15	435
Enda mekoni	96	117	73		25					47				91	449
Maichew	90	60			36									30	216
Mekoni town	696	619	310		232					232			116	116	2321
Raya Azebo	348	187	104	230	72					323		89		72	1425
Raya Chercher	277	482	66			33				162	15	180	15	41	1271
IDP	59	188	59	472	269					552				64	1663
Tigray*	29634	24600	5811	3571	18162	339	267	465	1526	8756	405	5065	2059	2087	102747

Similar to the coping mechanisms to death of bread-winner, most households use friends/relatives, own-saving or changing eating habits, government support, and credit to cope with the effects of illness of household member(s). But the importance of government support is less here than for the purpose of death of bread earner. In both death and illness shocks, coping strategies of looking for other employment and other jobs are minimal relative to other coping strategies. The table shows wide variability in the distribution of coping strategies across Woredas. Similar to the death of bread winner, most households used changing eating habits and credit to cope with illness of household members, which is not good for their long-run livelihoods.

Table 0-9: Main Coping Strategies to drought: March 2015(2023)-February 2016 (2024), TSES 2016

Woreda	first coping strategy to drought														
	own-saving	relatives/friend help	gov't support	relief support	change eating habits	additional job	unemployed look for jobs	migrate to work	reduce health and educ expense	credit	sell livestock	sell durables	do nothing	other	Total
Tsimbila	75	358					25			25	63	25			571
Endabguna	33	66			33					66			33	27	258
Asgede	1446	733	62	940	94					265		564			4104
Tahtay Adyabo	41	232	82	396	109	41		182	50		118	489		29	1769
Sheraro	31				31										62
Maekel Adyabo	819	33	188	64	1650					18		252			3024
Seymti Adyabo	299	36		83	1697										2115
Aidaero		298	396												694
tahtay Koraro	52			52		48						260			412
Shire Endaselassie		53		53								44			150
Zana	29		48	29											106
Laelay koraro	167	67	67		67					2862	39	768	64		4101

Woreda	first coping strategy to drought														
	own-saving	relatives/friend help	gov't support	relief support	change eating habits	additional job	unemployed look for jobs	migrate to work	reduce health and educ expense	credit	sell livestock	sell durables	do nothing	other	Total
Chila	339	780	25		232			33	83	265		69			1826
Tahtay maichew	2070	150	60	57								45			2382
Adet		654	53		98					69					874
Laelay Maichew	210	196								50					456
Axum town		9	9												18
Neader	281	608	809	44	1781	32		40		736			57		4388
Kola temben	216	54	778	324		54	54	29				54			1563
Abergele	4759	3895	905	1442	5076	96	116	127	32	1597	32	1816		32	19925
Tanqua milash	1330	777	351	190	399			66	27	432		88			3660
Abiadi	37	13			13										63
Keyih tekli		48	48		24							12			132
Mai kinetal	90	2173	351	61	1961	124		26	116	1422		93			6417
Endabatsehama	113	705	94	1233	94					611			33		2883
Embasineyti	1138	4063	723	288	1708	24				124		294	24		8386
Hahayle	868	441	442	36	428			49	180	430		256			3130
Wereda Adwa	114	2542			260					22					2938
Adwa town	88	64			1398					64					1614
Rama	390	714	24		699		24		192	225		56	24		2348
Ahsea			236		540	202		57		620	38	188			1881
Egela	403	737		27	157					131					1455
Ahferom		457		25	319					330		100		25	1256
Enticho town					13										13

Woreda	first coping strategy to drought														
	own-saving	relatives/friend help	gov't support	relief support	change eating habits	additional job	unemployed look for jobs	migrate to work	reduce health and educ expense	credit	sell livestock	sell durables	do nothing	other	Total
Bizet	59	772	380	81	332			14	33	98		387	93		2249
Gulomekeda	3254	1065	372	401	1594		15	129	358	1989	45	546	98	160	10026
Erob	218	1139	505	162	1371				23	125		238	23		3804
Subha saesei	1602	1829	916	142	4708		27	42		369		103		116	9854
Edaga hamus	1300	1174	894	135	599				33	32		83	26	83	4359
Ganta afeshum	3349	6285	1141	677	3197			64	32	1337	416	539			17037
Adigrat	2744	4668			234		200			899	160		832	78	9815
Wereda Hawzen	97	114			37			33		20		226		37	564
Hawzen	96	4	38		4										142
Tsaeda Emab	3456	1245	968	671	3059			106	140	1810		628		64	12147
Freweini town	62	292		14	152										520
Atsbi		866	1259	1286	3157		35			233		221			7057
Atsbi town	828	1701	969	23	649					189		36			4395
Tsirae wemberta	1756	1104		36	5835	38		94		319		1296	56		10534
Wukro	331	168	124		453										1076
Kilte Awlaelo	731	770	724		580							44			2849
Gerealta	2943	906	50	81	2071	24	37	143	43	327	48	1117	52	43	7885
Degua temben	787	232	65		99		33	24		33		113			1386
Hagereselam	83	223	315	77	57	8		7	50	63			22	13	918
Enderta	944	1290	5700	426	7879	113	408	60		1178		1860		123	19981
Seharti					257						42				299
Samre	275	692	51		20					958		306			2302

Woreda	first coping strategy to drought														
	own-saving	relatives/friend help	gov't support	relief support	change eating habits	additional job	unemployed look for jobs	migrate to work	reduce health and educ expense	credit	sell livestock	sell durables	do nothing	other	Total
Hintalo	852	3334	436	294	5602	106	267	474	158	2545	1674	4108	100	126	20076
Adigudem	105	430	75	10	140					25			15		800
Wajirat	502	238	142	552	4257					602		236			6529
Ayder		23													23
Semen	45	244	136	136	392					59			131		1143
Quiha	1780	583													2363
Kedamay Weyane	270	102			72					12					456
Hawelti		224											57		281
Adi Haki	173	486	20	84	392			20		232			58	52	1517
Hadnet		72			87		87			87					333
Emba Alaje	43	1816	159		1039	72	49	159		702	50	38	49		4176
Selewa	333	490	162	17	18			135		60		135	18		1368
Bora	294	145	64	350	1140	32			32	455		102			2614
Neqsege	254	1838	212	65	657			45		527		148	52		3798
Enda mekoni	272	1242	661	186	206	68	74			1012		37	31	37	3826
Maichew		30			66										96
Mekoni town	4340	426	310		5890					2635		155	155		13911
Raya Azebo	2296	1236	1864	4028	1425							803			11652
Raya Chercher	997	345		229	476		15	29		312	33	768	238		3442
IDP		212	179	70	198					726	66				1451
Total	52909	61011	24642	15577	77282	1082	1466	2187	1582	30334	2824	19746	2341	1045	294028

The most prevalent coping mechanism to drought had been changing eating habits followed by relatives help, own saving, credit, government support and relief agencies support. Both credit and changing eating habits would have long run effects on aggravating poverty and malnutrition. Sell of durables and livestock had also been high indicating long run effects on poverty and malnutrition. For most coping mechanisms, the usability by households had shown huge variability. For example, no household used own-saving in Ahferom whereas close to five thousand households used it in Abergele to cope drought; no household had to sell durables in Hagereselam whereas over four thousand households had to sell durables in Enderta to cope drought; Over four thousand seven hundred households had to change eating habits in Subha Saesei whereas only four households had to rely on changing eating habits in Hawzen to cope drought etc.

Table 0-10: Main Coping Strategies to Food price rise: March 2015(2023)-February 2016(2024), TSES 2016(2024)

Woreda	Main coping strategy to price rise of food items															
	own-saving	relatives/friend help	gov't support	relief support	change eating habits	additional job	unemployed look for jobs	migrate to work	reduce health and educ expense	credit	sell agri assets	sell livestock	sell durables	do nothing	other	Total
Tsimbila		139			133					133						405
Endabguna	609	66			927		33			308				66	54	2063
Asgede	584	524	186	466	188		88	124						94		2254
Tahtay Adyabo					270				41	29						340
Sheraro	1649	462			176					45				38		2370
Maekel Adyabo	372	368		436	1528			58					54	58		2874
Seymti Adyabo	125	226	312	141	1592	47			30					36		2509
Aidaero	476	232			2121					116						2945
tahtay Koraro	2532	702	195	640		240	144			235			155		176	5019
Shire Endaselassie	1973	990		210	1568			44	97					281		5163
Zana	114	654	552	552						312			228	132		2544
Laelay koraro	959	173	308		525				41	131			92			2229

Woreda	Main coping strategy to price rise of food items															
	own-saving	relatives/friend help	gov't support	relief support	change eating habits	additional job	unemployed look for jobs	migrate to work	reduce health and educ expense	credit	sell agri assets	sell livestock	sell durables	do nothing	other	Total
Chila	232	465			323			33	83	215						1351
Tahtay maichew	1548	887	426	265	2516				33	471				66		6212
Adet	257	1371	61	1014	750				69	49	49		20		38	3678
Laelay Maichew	353	604			362					105						1424
Axum town	3624	1764	309	224	4342	103		39						39		10444
Neader	102	1001	84	247	149					312			57			1952
Kola temben	175	162	29		350											716
Abegele	1371	1271	77	304	1325					56					127	4531
Tanqua milash	266	602	193	105	354			165		183			149		27	2044
Abiadi	148	164	210	58	236	29								29		874
Keyih tekli	144	116	73		38	343	147		48	214			192	49	731	2095
Mai kinetal	29	509	169	176	511			26	23	457					62	1962
Endabatsehama	285	733	95	604	193					2883		47		47		4887
Embasineyti	239	2465	93	104	664					554			54	104		4277
Hahayle	1477	780	59	138	1376				180	1185			108			5303
Wereda Adwa		801	35		967					276		84	35			2198
Adwa town	1859	1001			3081		116		101	1008		118		418		7702
Rama	816	516		110	804	144	40		280	110		24	126	48		3018
Ahsea	38		57		86		19			43		19	86	19		367
Egela	700	389	27		468					27						1611
Ahferom	2992	484		88	1097					238						4899
Enticho town	397	357	23	23	325				14	305				26		1470

Woreda	Main coping strategy to price rise of food items															
	own-saving	relatives/friend help	gov't support	relief support	change eating habits	additional job	unemployed look for jobs	migrate to work	reduce health and educ expense	credit	sell agri assets	sell livestock	sell durables	do nothing	other	Total
Bizet	71	386	49	362	78	24							61	109		1140
Gulomekeda	679	501	199	82	244				109							1814
Erob	13	69	36	23	128				23					23		315
Subha sasei	1405	853	109	60	1101					61			29	29		3647
Edaga hamus	827	608	155	68	865			19	44	65				7		2658
Ganta afeshum	1937	743	323	126	1613					551			58			5351
Adigrat	6261	5395	180		4468		267			3716				1959	168	22414
Wereda Hawzen	346	114			309	37			40	20			127	44		1037
Hawzen	278	83	2802	38	457					8				76		3742
Tsaeda Emab	206	379	118	147	335			70	117	532			94			1998
Freweini town	331	1387	22		840				14	74				100		2768
Atsbi		48	133	860	1794					25			99		33	2992
Atsbi town	714	656	36	82	441		13			109				17		2068
Tsirae wemberta	4043	615	56		2649	38		211		336			946		81	8975
Wukro	1175	1808			1856				42	3335				192	24	8432
Kilte Awlaelo	220	565	272		368							92	21	92		1630
Gerealta	1938	536	116	36	177		24	170	43	281		85	575	50		4031
Degua temben	837	103	188	68	341	62		31	37				128			1795
Hagereselam	62	166	15	20	58		7		23	18			15	19		403
Enderta	1554	1173	4796		6603			125		519		65	185			15020
Seharti	2296	597			1059				52							4004
Samre		40											51			91

Woreda	Main coping strategy to price rise of food items															
	own-saving	relatives/friend help	gov't support	relief support	change eating habits	additional job	unemployed look for jobs	migrate to work	reduce health and educ expense	credit	sell agri assets	sell livestock	sell durables	do nothing	other	Total
Hintalo	96	199	106		1227			37	52	41			108		41	1907
Adigudem	779	458	106		642				39	234		39		54	16	2367
Wajirat	82	213	35	88	2505					199						3122
Ayder	4086	3217	170	153	8557	170	50		132	353				304	162	17354
Semen	3526	820	160		2594	49	96	104	109	396				27	96	7977
Quiha	2547	211	55	27	2580					205				80		5705
Kedamay Weyane	1789	1241	12	47	84									12		3185
Hawelti	3135	1288	127		142				70	1628			78	425		6893
Adi Haki	898	1713	20	40	991	54	226	20		376			40	212	171	4761
Hadnet	941	2590	80	80	366	519	87			216			29	80		4988
Emba Alaje	182	673	43	245	1257	258	43			23						2724
Selewa	27	46		9									44			126
Bora					32					54						86
Neqsege	19	353	34		182			76	19				38	42		763
Enda mekoni	475	379	1124	243	974		68	98					31			3392
Maichew	74	478	66	149	2330			66		132						3295
Mekoni town	7781	2244	620	116	3332		116		348	1472			116	232		16377
Raya Azebo	1476	712	313	1815	807			65		302			89	221		5800
Raya Chercher	304	147	19	114	469					75		34	53	68		1283
IDP	834	544	417	1921	1277					165						5158
Total	80689	55329	16685	12924	85477	2117	1584	1581	2353	25521	49	607	4371	6024	2007	297318

The pattern in table 10.10 holds here in the distribution of own saving, relatives help, changing eating habits and government support. Over twenty-five thousand households also use here credits as a coping mechanism for price increment of food. Since this is loan for consumption, it could have its negative contribution to vicious circle of poverty and indebtedness. Over ten thousand households had to sell assets and livestock which is not good in the long run.

Table 0-11: Main Coping Strategies to input price rise: March 2015(2023)-February 2016(2024), TSES 2016(2024)

Woreda	Main coping strategy to price rise of inputs														
	own-saving	relatives/friend help	gov't support	relief support	change eating habits	additional job	unemployed look for jobs	migrate to work	reduce health and educ expense	credit	sell livestock	sell durables	do nothing	other	Total
Tsimbila		139		70	190			19		323		38			779
Endabguna					44										44
Asgede	1668	152		124	124	44	88			80		152			2432
Tahtay Adyabo			51												51
Maekel Adyabo	58			116	366										540
Seymti Adyabo	138	24	360	83	1502				48						2155
Aidaero					38										38
tahtay Koraro	207		43			72	48			28		459	52		909
Zana		420	66	312						132		66	66		1062
Laelay koraro	1380		213	1296		67				40		162			3158
Chila	158	349			174			25	216			58			980
Tahtay maichew	135	45	60							314		97			651
Adet				20											20
Laelay Maichew	294	1415	55		377				94	450					2685
Axum town	103	153			206										462

Woreda	Main coping strategy to price rise of inputs														
	own-saving	relatives/friend help	gov't support	relief support	change eating habits	additional job	unemployed look for jobs	migrate to work	reduce health and educ expense	credit	sell livestock	sell durables	do nothing	other	Total
Neader			80		160					114		177			531
Kola temben	37	74	120		74										305
Abegele	586	146		23	915	93	32			578		732		23	3128
Tanqua milash	285	27	51	54		27		27	135	81					687
Keyih tekli					53					106					159
Mai kinetal		161	139	92	362	62	26	26		246	23				1137
Endabatsehama	24	285	369	24	71						47	96			916
Embasineyti		24	27		27					132		54			264
Hahayle	1210	402	98	36	156			49		100		98			2149
Wereda Adwa		196			1447					57					1700
Rama	240	432			798	128	80		272			46	24		2020
Ahsea					19									43	62
Egela	267	210			126					38				19	660
Ahferom	342	194			36				36	72		49		36	765
Bizet		33													33
Gulomekeda	33														33
Erob					22										22
Subha sasei	480	353	61		603					164					1661
Ganta afeshum	1830	444	116		926	64						116			3496
Wereda Hawzen	20	111			74							33		37	275
Tsaeda Emab	175	72	72					47		31					397
Atsbi town		12													12
Tsirae wemberta	150				377			94		168		352		494	1635
Gerealta	917	171	24		135			98		205		129			1679

Woreda	Main coping strategy to price rise of inputs														
	own-saving	relatives/friend help	gov't support	relief support	change eating habits	additional job	unemployed look for jobs	migrate to work	reduce health and educ expense	credit	sell livestock	sell durables	do nothing	other	Total
Degua temben	481	40	35		212	33		24		31		81		8	945
Hagereselam					7										7
Enderta	920	60	1721		1088			60		680		262			4791
Seharti	1774	488				40			64		73				2439
Samre	71	326								357		126			880
Hintalo		41	100		41			41	106						329
Adigudem	79	21			81			21		42					244
Wajirat	30				30					67		37			164
Quiha					128										128
Adi Haki										60			64		124
Hadnet		72				29						87			188
Emba Alaje				43						23					66
Bora	35			35											70
Enda mekoni	37	175	198	73	25			96		48	123	48			823
Mekoni town					155										155
Raya Azebo					144					115					259
Total	14164	7267	4059	2401	11313	659	274	627	971	4882	266	3555	206	660	51304

The coping strategies here show the pattern of table 10.10 Table 10.11 shows price rise of inputs had been a great problem across the seventy woredas of Tigray.

Table 0-12: Median Frequency of shocks: March 2015(2023)-February 2016(2024), TSES 2016(2024)

Woreda	Death-bread-earner	Death-under5	Death-any-member	illness	Loss-nonfarm-job	drought	Flood	landslide	Heavy rain	Other-crop-damage	Food-price-fall	Food-price-rise	Input-price-rise	Death-livestock	Fire	Theft/robbery	Inv.loss	Displacement	violence	Rape
Tsimbila	1	1	2	2	2	2			1	1		3	2	2		1.5	2			
Endabguna	1	1	0.5	3	1	1				2	4	3	3			1	2	2	4	1
Asgede	1	7	1	4	5	4			4	3	20	6	10	1		1	3		3	
Tahtay Adyabo	1			1	2	1			8.5	1		3	1	1		1	1			
Sheraro	1		1	4	5	1	1			1		2				1	1	1		
Maekel Adyabo	1			12		5				1		5	3	1						
Seymti Adyabo	1			3		5	2		2	3	5	6	4		1			3.5		
Aidaero	1		1	2		1	1		30	1	1	3	2	1	1	1	2	1	1	
tahtay Koraro	1		1	4	5	2	2		2	2	1	3	1			2	2	1		
Shire Endaselassie	1	1	2	4	3	4			3	2		4				1	3	1		
Zana	1		1	5		2	2					5	5		1			1		
Laelay koraro	1	1		3	2	3	1		2	2		2	2	1	1	1	3	1		
Chila	1			4	1	2				1		3	2	1		1	3	1		
Tahtay maichew	1		2	10	5	6	6		4	3	12	12	4		1	1	1	8		
Adet	1			3	1	3	2			1		2	1	1		1		1		
Laelay Maichew	1		1	2	1	1	1		1	1		10	1	1	1	1			2	
Axum town	1		1	2	1	2				1	2	3	2	4		1				
Neader	1		1.5	3	3	2	1	1	2	3		3	2	1		1	1		2	
Kola temben	1			6	2	1			2	2	2	2	1	2					4	
Abergele	1		1	6	2	1	1			1		7	2	5				2		2
Tanqua milash	1		1	4	1	1	2			2	2	2	2	1			2	4		
Abiadi	1			6		1				1		5								

Woreda	Death-bread-earner	Death-under5	Death-any-member	illness	Loss-nonfarm-job	drought	Flood	landslide	Heavy rain	Other-crop-damage	Food-price-fall	Food-price-rise	Input-price-rise	Death-livestock	Fire	Theft/robbery	Inv.loss	Displacement	violence	Rape
Keyih tekli	1		2	3	5	2				1		1	2				1	2		
Mai kinetal	1		3	3	5	1	2	1	2	1	2	2	2	2	1	1	2	2	1	
Endabatsehama	1		0	2	5	2	1	1	1	2	5	5	2				2	1		
Embasineyti	1		1	6	5	3	2			1		6	2			1				
Hahayle	1	4	10	3	1	1	1	3	1	1		3	2	1			1	1		
Wereda Adwa	1		1	2	5	1	1		2	2	2	2	2	2		2		1		
Adwa town	1			7		1					5	5				1	6			
Rama	1		1	2	2	1	2	3	4	2		2	2	5		2	2	1	3	
Ahsea	1		1	1	1	1						1	1						1	
Egela	1	1	1	1	5	1				1		1	1	1	1	1	12	1	3	
Ahferom	1	1	3	3	5	2	1	1	2	1		3	2	2	1	1.5	2	2		1
Enticho town	1			6	5	3						5			1	8	2	1	1	
Bizet	1	1	2	2		2	1	2			5	3	1	1		2			2	1
Gulomekeda	1		1	4	2	1				2		2	1		1		2			
Erob	0		1	6		1				1		6	1							
Subha sasei	1		1	4	2	1				1	2	3	1	1			1	3		
Edaga hamus	1	1	1	2	3	2					2	2					2	1	1	
Ganta afeshum	1	1	2	4	2	12		1		1		6	8			1	2	3		0
Adigrat	1	2	1	5	5	12	2			2	12	12				2	8			
Wereda Hawzen	1	1		3	1	2	1			1		4	3	1		1		1		
Hawzen	1		1	3		2				2	4	4		3		2	3		1	
Tsaeda Emab	1		1	3	5	3	1			1		6	3	1		1		3		
Freweini town	1	1	1	5	1	12				2	17	5		1		1	2	1		

Woreda	Death-bread-earner	Death-under5	Death-any-member	illness	Loss-nonfarm-job	drought	Flood	landslide	Heavy rain	Other-crop-damage	Food-price-fall	Food-price-rise	Input-price-rise	Death-livestock	Fire	Theft/robbery	Inv.loss	Displacement	violence	Rape
Atsbi	1			3		2	3			2	2	3		4.5		1	2			
Atsbi town	1	1	1	4		2	1			3.5		12	4			1		1		
Tsirae wemberta	1		1	4	3	1				2	1	3	1	1		1	1			
Wukro	1		1			5						3				1	4		0	
Kilte Awlaelo	1			4	5	2	1			1.5		8				1				
Gerealta	1	1		3	2	1	1			2	2	3	3	3		1	2	1		
Degua temben	2	1	1	4	5	3	2		2	3	4.5	8	2	4.5		1	1	1	2	
Hagereselam	2	2	2	2	5	6	1	1		10		12	12	2		2	8	1	10	7
Enderta	1		1	3	2	1			3	2	12	5	2	1		1	1	1		
Seharti	2	2	1	1	3	2		3		2	1	2	1	1		1	2			
Samre	1		1	4	2	2			2	2	2	2	2	2.5	-1	1				
Hintalo	1		2	3	2	1				2	3	3	1	3						
Adigudem	1		1	3	2	3			3	4	12	8	2			1	4	1		
Wajirat	2			5		4	8			1	12	10	3			1	1	1		
Ayder	1		1	4	2	1					2	5			1	1	12	1.5		
Semen	1		1	2		1				1.5	2	3				3	1	1		
Quiha	2			5	5	1				1	12	8	5			1.5		1		
Kedamay Weyane	1		1.5	2	2	2					100	12				1	2.5	1		
Hawelti	1	1	1	4	1	3					7	4				1	2		2	
Adi Haki	1		1	2	5	1					2.5	2	1	1		1	1	1		1
Hadnet	1		3	12		1						3	1			1	3			12
Emba Alaje	1.5			5	5	1				1	2	2	1	1		2	1	1		1
Selewa	1	1		4		2				2		3						12		

Woreda	Death-bread-earner	Death-under5	Death-any-member	illness	Loss-nonfarm-job	drought	Flood	landslide	Heavy rain	Other-crop-damage	Food-price-fall	Food-price-rise	Input-price-rise	Death-livestock	Fire	Theft/robbery	Inv.loss	Displacement	violence	Rape
Bora	1		1	6	2	1						2	2			1	1.5		1	1
Neqsege	2	3	8	3		2	1		1	2.5		4			2	1	8	7		
Enda mekoni	2		1	2		1	1			1	2	1	1	1		2		1		
Maichew	2			3		2					56	56					1	6		
Mekoni town	1		1	4	3.5	1	3			1	3	3	1			1	1	1	1	
Raya Azebo	1			5	2	1				1	4	4	2	2		2	1	1		
Raya Chercher	1	1	1	3		2				1.5		3		3		2	1	1		
IDP	1	1	2	3	1	2					1	12				1	2	1		1
Tigray*	1	1	1	3	2	1	2	1	2	2	3	4	2	1	1	1	2	1	2	1

Table 10.12 shows the number of times the specified shock happened in the period indicated in the title of the table. The frequency of shocks of the median household greatly varies across woredas. The frequency varies from zero to hundred. The median of the distribution of food price fall in Kedamay Weyane is hundred in the reference period. This household could have been a merchant of, perhaps, food grains. Both price rise of food and price fall of food were important to consider. In Maichew, for example, the median household faced food price rise fifty-six times in a year, also the median household, probably different household,

faced price fall of food fifty-six times. This justifies that price had been a problem both for buyers and sellers. The median of death in the reference period including death of main bread earner, under five or any member is centered at one. There had been more median deaths, however, for example in Hahayle, Neqsege and Asgede. The impact is expectedly high since it is death especially death of the main earner. The median household in Erob had no death of the bread winner ; Erob was the only woreda out of the seventy five woredas which had zero median of death of bread winner. The rest woredas had at least fifty percent of their households which faced death of bread winner. Worse, eight woredas had at least fifty percent of their households which faced death of the bread winner for twice in a year for. The median number of illnesses of any member of the household had been either three, five or six for most woredas. These numbers are very high since the chance to get treated is less likely because of the effect of the genocidal war waged on Tigray in November 2020. More numbers had been observed in some woredas such as Adwa, Maichew and Adyabo. The median of the distribution of loss of non-farm jobs, drought, flood and landslide is also high. Especially drought had had medians as high as twelve in a year. The table shows the most widespread shock distribution is price fall of food items. Flood needs special attention in woredas such as Tahtay Maichew and Wajirat though its frequency in the other woredas looks low relative to other shocks. It is shocking to see that the median household in Adihaki sub city faced rape twelve times in the studied year. Similarly, the figure had been high in Hagereselam. Because the effect of rape is detrimental, woredas having unity of median rape should also be given due attention.

Table 0-13: Median Frequency in two years period: March 2015(2023)-February 2016(2024), TSES 2016(2024)

Woreda	Death-bread-earner	Death-under5	Death-any-member	illness	Loss-nonfarm-job	drought	Flood	landslide	Heavy rain	Other-crop-damage	Food-price-fall	Food-price-rise	Input-price-rise	Death-livestock	Fire	Theft/robbery	Inv.loss	Displacement	violence	Rape
Tsimbila	1	1	1	2	1	1			2	2		5	4	2		2	1			
Endabguna	1	1	0.5	2	2	2				2	3	4	0			0.5	10	3	4	1
Asgede	1		2	3	2	2			2	3	4	2	15	1		0	8		5	
Tahtay Adyabo	1			2	4	2			1	1		6	2	1		1	2			
Sheraro	1		1	5	10	1	1			2		3				1	1	2		
Maekel Adyabo	1			8		4				2		10	6	1						
Seymti Adyabo	1			5		4	2		4	6	10	12	8		4			7		
Aidaero	1		1	4		2	1		2	1	1	4	2	2	1	1	2	2	1	
tahtay Koraro	1		1	6	10	3	2		2	3	2	5	2			2	2	2		
Shire Endaselassie	1		3	7	5	4			4	3		6				3	5	1		
Zana	1		2	10		3	2					11	15		1			2		
Laelay koraro	1	1		3	3	3	1		2	3		2	2	2	1	2	3	1		
Chila	1			4	2	2				2		5	3	1		1	4	1		
Tahtay maichew	1		5	18	10	4	15		0	4	24	24	4		1	1	1	21		
Adet	1			3	2	4	2			2		4	2	1		1		1		
Laelay Maichew	1		2	5	1	2	2		2	2		15	2	1	1	2			2	
Axum town	1		1	3	2	1				2	4	6	2	4		1				
Neader	2		0.5	6	2	2	2	2	3	3		5	2	2		1	1		5	
Kola temben	1			6	3	1			2	2	3.5	4	2	2					5	
Abegele	1		1	10	2	2	2			2		12	4	7				2		2

Woreda	Death-bread-earner	Death-under5	Death-any-member	illness	Loss-nonfarm-job	drought	Flood	landslide	Heavy rain	Other-crop-damage	Food-price-fall	Food-price-rise	Input-price-rise	Death-livestock	Fire	Theft/robbery	Inv.loss	Displacement	violence	Rape
Tanqua milash	1		1	6	2	2	5			4	4	4	4	1			4	4		
Abiadi	1			9		2				0.5		7								
Keyih tekli	1		5	4	10	4				1		1	2				1	4		
Mai kinetal	1		5	4	10	1	2	2	2	2	2	2	2	3	1	2	2	2	1	
Endabatsehama	1		1	2	10	2	2	2	2	2	5	5	3				2	2		
Embasineyti	1		1	20	10	4	4			1		12	4			1				
Hahayle	1		15	5	2	2	2	2	1	2		5	4	2			2	1		
Wereda Adwa	1		1	4	10	2	3		2	3	8	3	3	5		2		1		
Adwa town	1			8		1					5	7				1	1			
Rama	1		1	3	2	2	3	3	2	3		3	2	1		6	2	1	3	
Ahsea	1		2	2	2	2						2	2						1	
Egela	1	1	1	1	10	1				1		1	2	2	1	1	12	1	3	
Ahferom	1	1	3	6	10	2	1	2	4	2		7	4	2	0	3	4	2		1
Enticho town	1			12	9	4						10			1	24	3	1	1	
Bizet	1		2	2		2	2	3			5	3	1	1		2			2	1
Gulomekeda	1		1	4	5	2				2		2	2		1		2			
Erob	1		1	5		2				1		8	1							
Subha sasei	1		2	6	2	2				2	5	5	1	2			3	8		
Edaga hamus	1	1	1	4	3	2					3	4					2	1	2	
Ganta afeshum	1	2	3	5	3	4		2		1		12	13			1	3	3		1
Adigrat	1	2	1	8	2	4	2			2	24	10				2	1			
Wereda Hawzen	1	1		6	2	2	2			2		5	3	1		1		1		

Woreda	Death-bread-earner	Death-under5	Death-any-member	illness	Loss-nonfarm-job	drought	Flood	landslide	Heavy rain	Other-crop-damage	Food-price-fall	Food-price-rise	Input-price-rise	Death-livestock	Fire	Theft/robbery	Inv.loss	Displacement	violence	Rape
Hawzen	1		1	3		3				3	20	6		6		2	6		0	
Tsaeda Emab	1		1	6	10	4	1			1		12	3	1.5		2		2		
Freweini town	1	1	2	10	2	4				3	29	15		1		8	4	6		
Atsbi	2			3		2	6			3	3	4		5.5		1	4			
Atsbi town	1	1	1	4		2	1			2.5		20	6			1		1		
Tsirae wemberta	1		2	5	5	1				2	2	3	2	1		1	1			
Wukro	1		1			4						5				1	12		1	
Kilte Awlaelo	1			4	10	4	2			2.5		19				1				
Gerealta	1	1		5	4	2	1			3	3.5	6	6	8		2	3	1		
Degua temben	3	1	1	8	8	4	3		3	4	6.5	18	4	9		1	2	2	3	
Hagereselam	2	2	2	2	10	4	1	2		15		20	24	2		2	15	1	12	7
Enderta	1		1	2	3	2			3	2	12	6	3	1		1	1	1		
Seharti	2	2	2	2	3	2		3		2	2	2	2	1		1	2			
Samre	1		1	4	3	3			2	3	3	3	3	3	1	0				
Hintalo	1		2	3	6	2				2	5	6	2	3						
Adigudem	1		1	3	2	2			3	2	2	6	2			1	4	1		
Wajirat	1			3		2	10			2	2	14	2			1	1	2		
Ayder	1		1	4	5	2					3	6			1	1	1	1		
Semen	1		1	2		2				2	2	5				3	1	1		
Quiha	2			10	10	2				2	2	10	10			2.5		2		
Kedamay Weyane	2		2.5	2	2	2					100	100				1	5	1		
Hawelti	1	1	1	5	1	2					10	5				1	2		2	

Woreda	Death-bread-earner	Death-under5	Death-any-member	illness	Loss-nonfarm-job	drought	Flood	landslide	Heavy rain	Other-crop-damage	Food-price-fall	Food-price-rise	Input-price-rise	Death-livestock	Fire	Theft/robbery	Inv.loss	Displacement	violence	Rape
Adi Haki	1		2	2	10	1					3	3	2	1		1	2	1		1
Hadnet	1		3	12		2						3	1			1	3			12
Emba Alaje	1.5			7	10	2				2	3	3	2	1		3	1	2		1
Selewa	1	1		5		2				2		3						24		
Bora	1		1	6	3	2						3.5	2			1	1.5		1	1
Neqsege	2	1	9	3		2	2		1	2.5		6			5	1	10	1		
Enda mekoni	2		2	3		1	2			2	2	2	2	2		2		1		
Maichew	3			3		3					109	106					2	7		
Mekoni town	1		1	4	6	2	3			2	5	4	2			1	1	2	1	
Raya Azebo	1			10	2	2				2	3	7	3	2		2	1	2		
Raya Chercher	1	1	1	3		4				2		5		3		2	1	1		
IDP	1	2	2	3	2	3					2	12				2	3	2		1
Tigray	1	1	1	5	3	2	2	2	2	2	5	6	3	2	1	1	2	2	3	1

Table shows the number of times the specified shock happened within two years until the interview date. This table is very similar to table 10.13 except that some medians are a bit tilted to the right. And such shift is expected as this table is distribution in two years relative to the above table which shows a distribution in a year. There is one big difference though. The widely distributed shocks here is food price increment and not fall though it is next widely distributed. Also, here there had been more rapes.

CHAPTER ELLEVEN

HOUSING CHARACTERISTICS

11.1 Ownership, Structure, and Facilities

Regionally, about 59 percent of households reported living in houses they privately owned. The rest live in rented houses (25 percent) or through other arrangements (15 percent) (Table 11.1). The data indicated a significant variation between urban and rural residences. Whereas 50 percent of households in urban woredas reported to live in rented houses, only 8 percent of households in rural woredas reported to live in rented houses (Table 11.1).

Looking at the housing ownership by woredas, woredas with a small percentage of households who live in their own house are found to be in Shire Endaselassie (18.62 percent), followed by Adwa town (21.5 percent), Adigrat (23.98 percent), and k/ketema Kedamay Weyane (25.76 percent) (Table 11.1).

Table 10.2 presents information about the number of rooms per household, which is one of the indicators for quality of living. And, from our survey, we concluded that households are living in congested houses. Regionally, about 56 percent of households reported living in a single room, 61 percent in urban and 53 percent in rural areas. For a detailed report per woreda, see Table 11.1.

Table 11.2 presents information about the availability of kitchens, and regionally, about 42 percent of households reported having no kitchen. Looking residence wise, 47 percent of households in urban and 39 percent in rural areas reported having no kitchen. For a detailed report per woreda, see Table 11.2.

11.2 Water, sanitation and hygiene

11.2.1 Water collection time

Looking at the total time households require to collect water (for round trips and queues), only 42.3 percent of households reported having the chance to collect water within 30 minutes (7.46 percent less than 15 minutes and 34.84 percent from 15-30 minutes). Residence wise, 58.94 in urban and 40.64 in rural areas may collect water within 30 minutes. A striking

case in point is that about 15 percent of households in urban need more than 120 minutes, or more than two hours to collect water. For a detailed report per woreda, see Table 11.3.

11.2.2 Hygiene and Sanitation

Tables 11.5 present aggregate quality and detailed types of toilet facilities, and hand washing facility. Unimproved toilet facilities include pit latrine without slab, bucket, field/forest, and others. Accordingly, regionally, 61.95 percent of households reported using unimproved toilet facilities. Residence wise, 90.74 percent in rural and 23.3 percent in urban areas use unimproved toilet facilities. Specifically, 49 percent of households regionally reported that they use field/forest, sometimes called open defecation (79 percent in rural and 10 percent in urban). Improved sanitation includes flush or pour-flush to piped sewer systems, septic tank pit latrines, ventilated-improved pit latrines, or pit latrines with slab or composting toilets.

Regionally, 76.04 percent of households reported that they do not have hand-washing facilities, and only 6.56 percent of households have hand-washing facilities located in their dwelling, and 17.04 percent have hand-washing facility located in their yard or plot. Residence wise, 90.17 percent in rural and 57.07 percent in urban areas do not have hand-washing facilities. For a detailed report per woreda, see Table 11.4.

Households' use of solid-waste facilities report shows that the majority of households use to throw away (45.26 percent), followed by dug out (24.90 percent), and collected by municipality (21.94 percent). Residency wise, the majority of urban residents use municipal vehicles (55.48), followed by waste disposal vehicles (20.67 percent) and throwing away (19.35 percent). In rural areas, the majority of households reported throwing away (61.63 percent), followed by digging out (33.54 percent) and using as a fertilizer (26.34 percent). See Table 11.5

11.3 Household Energy

In urban areas, about 94.8 percent of households (60.2 percent meter-shared and 34.6 percent meter-private) use electricity as their primary source of lighting. In rural areas, the majority of households use solar energy as a source of lighting (45.3 percent), followed by firewood (16.9 percent). For a detailed report of household sources of lighting, see Table 11.6.

Households were also asked about any outages in electricity in the 7 days before the survey. And, about 98 percent reported they have experienced at least one disruption, with about

equal disruptions in rural (infant towns) and urban areas. What is more, about 52.75 percent of households regionally, 51.94 percent in urban and 56.45 percent in rural areas faced power outages more than three times per week. For a detailed report of power outages per residence and woreda, see Table 11.6.

In urban areas, electricity (48.1 percent), followed by purchased firewood (18.2 percent) and charcoal (18.6 percent) are the major sources of fuel. And, in rural areas, collecting firewood (88.7 percent) remains the most important source of fuel, followed by purchase fire wood (4.2 percent) and charcoal and electricity reported by same number of households, (2.1 percent). For a detailed report of households' source of fuel by residency and per woreda, see Table 11.7

Table 0-1 : Housing Ownership and number of rooms of households by residence and Woreda, TSES 2023/24 or 2015/16 E.C

Characterstics	Ownership				Number of rooms		
	Privately owned	Free of Rent	Rented	Other (Specify)	One	two	Three or more
Region	59.18	12.57	25.72	2.53	56.15	29.88	13.97
Residence							
Urban	35.81	13.33	49.78	1.08	60.55	21.5	17.94
Rural	76.59	12.02	7.79	3.61	52.85	36.18	10.98
Woreda							
Tsimbila	87.84	5.04	5.66	1.46	34.6	51.19	14.21
Endabguna	35.3	7.5	56.14	1.07	61.04	25.36	13.6
Asgede	72.65	4.29	22.45	0.61	38.71	37.87	23.42
Tahtay Adyabo	80.49	14.29	4.75	0.46	52.53	38.12	9.35
Sheraro	37.82	9.1	51.99	1.08	66.4	18.1	15.5
Maekel Adyabo	45.19	9.42	44.61	0.78	60.9	22.83	16.27

Characterstics	Ownership				Number of rooms		
	Privately owned	Free of Rent	Rented	Other (Specify)	One	two	Three or more
Seymti Adyabo	84.57	6.13	2.12	7.18	61	24.05	14.95
Aidaero	67.38	3.92	24.49	4.21	53.29	30.85	15.86
tahtay Koraro	81.59	5.42	10.85	2.14	44.81	41.32	13.87
Shire Endaselassie	18.62	18.56	60.83	1.98	63.5	21.78	14.72
Zana	72.06	9.09	15.05	3.8	67.66	27.42	4.91
Laelay koraro	58.14	5.84	18.59	17.43	59.61	27.4	12.99
Chila	53.76	34.07	11.4	0.78	42.75	42.35	14.9
Tahtay maichew	53.08	10.91	34.76	1.25	55.56	30.7	13.74
Adet	46.86	40.91	11.62	0.61	46.01	50.52	3.47
Laelay Maichew	88.54	5.91	4.09	1.47	35.7	37.54	26.75
Axum town	36.81	13.82	48.02	1.35	51.06	34.29	14.65
Neader	74.4	20.78	3.91	0.9	51.74	37.65	10.61
Kola temben	76.1	7.13	9.52	7.25	48.36	38.32	13.32
Abegele	66.66	8.67	23.17	1.51	51.29	33.87	14.84
Tanqua milash	83.65	14.21	1.48	0.66	41.65	39.05	19.3
Abiadi	43.98	7.27	46.99	1.76	60.63	18.99	20.38
Keyih tekli	78.92	8.84	11.53	0.71	51.19	31.02	17.79
Mai kinetal	63.72	15.84	14.46	5.98	50.48	41.02	8.5
Endabatsehama	64.98	8.07	26.67	0.28	45.11	26.99	27.89
Embasineyti	62.72	18.92	16.58	1.78	50.22	38.93	10.85
Hahayle	73.44	17.48	8.68	0.4	59.16	30.35	10.49
Wereda Adwa	75.93	13.49	9.04	1.54	51.22	38.05	10.73
Adwa town	21.5	25.58	50.7	2.22	71.7	10.71	17.59
Rama	67.12	9.64	22.32	0.92	45.67	33.07	21.26
Ahsea	72.92	23.18	2.73	1.17	69.21	28.59	2.2
Egela	62.09	16.43	20.57	0.92	49.07	40.72	10.21
Ahferom	72.52	10.81	5.1	11.58	34.2	45.7	20.1
Enticho town	38.94	16.05	44.6	0.41	56.99	28.01	15
Bizet	71.12	10.28	12.19	6.41	27.64	39.51	32.85
Gulomekeda	73.11	4.91	16.74	5.24	55.13	39.39	5.48
Erob	48.99	18.7	30.76	1.55	71.97	19.32	8.7
Subha sasei	60.1	27.04	10.2	2.66	63.93	32.63	3.44
Edaga hamus	32.99	8.47	56.51	2.04	56.39	21.97	21.64
Ganta afeshum	72.07	4.95	9.05	13.94	63.89	30.9	5.21
Adigrat	23.98	25.03	50.74	0.25	64.81	20.8	14.38
Wereda Hawzen	77.45	9.64	4.06	8.84	38.03	45.6	16.37
Hawzen	37.23	21.65	40.75	0.37	29.68	27.77	42.56
Tsaeda Emab	65.96	13.06	12.06	8.93	50.62	43.04	6.34
Freweini town	29.77	14.25	55.98		70	22.96	7.04
Atsbi	69.55	21.45	4.17	4.83	68.83	28.9	2.26
Atsbi town	32.82	7.97	58.7	0.51	47.51	28.22	24.27
Tsirae wemberta	60.41	10.08	29.17	0.34	58.08	29.08	12.84
Wukro	31.41	5.86	62.46	0.27	72.65	13.76	13.59

Characterstics	Ownership				Number of rooms		
	Privately owned	Free of Rent	Rented	Other (Specify)	One	two	Three or more
Kilte Awlaelo	79.74	18.59	1.27	0.41	57.64	37	5.37
Gerealta	92.12	3.89	1.49	2.5	43.79	45.83	10.38
Degua temben	81.19	15.52	0.96	2.32	42.11	29.32	28.57
Hagereselam	42.89	14.25	42.44	0.42	52.17	30.3	17.53
Enderta	80.91	7.54	6.9	4.65	61.15	34.24	4.6
Seharti	72.8	22.58	4.61		48.49	44.08	7.43
Samre	85.56	2.98	11.46		51.15	37.1	11.74
Hintalo	74.07	6.89	12.13	6.9	81.37	16.99	1.64
Adigudem	40.77	15.1	43.61	0.53	55.94	22.6	21.47
Wajirat	83.15	10.01	6.51	0.32	89.12	9.34	1.54
Ayder	29.49	15.31	54.62	0.57	67.72	13.62	18.66
Semen	42.86	12.64	42.67	1.83	60.27	23.65	16.08
Quiha	42.79	20.26	36.94		58.61	18.71	22.68
Kedamay Weyane	25.76	12.34	61.14	0.76	67.13	14.63	18.23
Hawelti	30.37	9.57	59.21	0.85	65.55	17.26	17.19
Adi Haki	35.2	11.65	52.85	0.3	58.75	21.63	19.62
Hadnet	40.33	11.8	47.74	0.13	58.11	25.25	16.64
Emba Alaje	50.09	21.86	27.86	0.2	63.02	30.32	6.66
Selewa	72.97	14.64	12.38		72.07	22.3	5.64
Bora	89.92	4.86	2.87	2.35	70.59	26.41	3
Neqsege	88.08	4.23	6.92	0.77	94.46	4.81	0.73
Enda mekoni	76.89	10.3	12.31	0.49	63.7	31.34	4.96
Maichew	36.85	21.31	40.83	1.02	53.51	26.3	20.19
Mekoni town	48.4	10.65	39.43	1.51	46.81	24.54	28.65
Raya Azebo	81.03	3.39	14.85	0.73	49.9	40.55	9.55
Raya Chercher	74.68	10.35	14.82	0.15	73.29	17.29	9.42
Total	59.18	12.57	25.72	2.53	56.15	29.88	13.97

Table 0-2: Kitchen type of households by residence and woreda, weighted, TSES 2023/24 or 2015/16 E.C.

Characterstics	No Kitchen	A Room Used For Traditional Kitchen Inside The Housing Unit	A Room Used For Traditional Kitchen Out Side The Housing Unit	A Room Used For Modern Kitchen Inside The Housing Unit	A Room Used For Modern Kitchen Out Side The Housing Unit	Other (Specify)
Total	42.3	21.45	29.42	3.1	3.62	0.11
Residence						
Urban	46.78	15	23.5	6.46	8.16	0.11
Rural	38.97	26.26	33.83	0.6	0.24	0.11
Woreda						
Tsimbila	40.8	4	52.88	2.17	0.14	
Endabguna	33.25	14.31	43.27	7.1	2.07	
Asgede	31.58	22.62	43.64	1.62		0.55

Characterstics	No Kitchen	A Room Used For Traditional Kitchen Inside The Housing Unit	A Room Used For Traditional Kitchen Out Side The Housing Unit	A Room Used For Modern Kitchen Inside The Housing Unit	A Room Used For Modern Kitchen Out Side The Housing Unit	Other (Specify)
Tahtay Adyabo	42.6	15.83	41.25	0.17	0.14	
Sheraro	86.46	6.61	1.12	4.69	1.12	
Maekel Adyabo	43.92	43.07	9.99	2.36	0.67	
Seymti Adyabo	30.72	47.09	17.8	3.08	1.32	
Aidaero	66.94	9.47	19.78	1.64	2.17	
tahtay Koraro	23.12	31.37	45.03	0.2		0.27
Shire Endaselassie	40.19	9.72	29.33	9.96	10.8	
Zana	37.41	20.53	41.76	0.29		
Laelay koraro	35.09	25.41	35.4	0.24	3.63	0.22
Chila	69.74	18.29	11.66		0.31	
Tahtay maichew	39.8	28.93	25.62	4.23	1.42	
Adet	69.83	6.04	21.71	2.42		
Laelay Maichew	21.08	54.09	23.69	0.89	0.25	
Axum town	38.18	36.36	12.09	3.91	9.45	
Neader	32.18	65.69	1.74	0.14		0.25
Kola temben	38.79	43.48	14.91	1.96	0.87	
Abegele	60.32	21.75	17.01	0.75		0.17
Tanqua milash	19.16	5.61	74.48	0.46	0.3	
Abiadi	58.36	3.53	31.01	4.2	2.78	0.12
Keyih tekli	48.19	2.7	48.1	0.69		0.32
Mai kinetal	29.88	42.71	25.78	0.35	0.35	0.92
Endabatsehama	69.59	11.15	18.73	0.53		
Embasineyti	56.99	8.75	31.79	1.55	0.92	
Hahayle	29.28	50.42	18.27	0.85	1.17	
Wereda Adwa	24.65	42.61	31.41	0.41	0.64	0.27
Adwa town	18.93	15.2	32.66	12.48	20.57	0.16
Rama	70.88	19.29	8.6	0.97	0.26	
Ahsea	53.7	38.11	7.74		0.28	0.17
Egela	36.54	4.11	49.3	0.46	9.13	0.46
Ahferom	25.34	26.99	47.11	0.45		0.11
Enticho town	34.69	19.36	38.36	3.05	4.54	
Bizet	38.47	58.75	2.45	0.32		
Gulomekeda	17.25	35.06	47.45		0.24	
Erob	67.64	22	8.42	1.94		
Subha sasei	45.38	26.03	28.4		0.19	
Edaga hamus	13.72	5.78	54.1	6.14	19.23	1.02
Ganta afeshum	37.08	40.72	20.58	0.23	0.69	0.69
Adigrat	32.01	15.7	31.05	5.09	16.16	
Wereda Hawzen	17.64	30.97	49.41	1.98		
Hawzen	33.77	26.97	30.57	5.5	3.19	
Tsaeda Emab	21.4	31.45	46.78	0.19		0.19

Characterstics	No Kitchen	A Room Used For Traditional Kitchen Inside The Housing Unit	A Room Used For Traditional Kitchen Out Side The Housing Unit	A Room Used For Modern Kitchen Inside The Housing Unit	A Room Used For Modern Kitchen Out Side The Housing Unit	Other (Specify)
Freweini town	88.44	1.5	2.18	2.49	5.4	
Atsbi	39.74	30.8	27	1.43	1.03	
Atsbi town	50.21	10.4	32.23	4.67	2.48	
Tsirae wemberta	19.17	21.44	48.13	8.24	2.89	0.14
Wukro	60.02	7.84	5.52	5.12	21.51	
Kilte Awlaelo	56.44	19.54	24.01			
Gerealta	47.25	51.86	0.9			
Degua temben	31.83	3.4	64.32	0.23	0.23	
Hagereselam	74.67	8.41	10.07	4.88	1.97	
Enderta	20.87	27.98	51.14			
Seharti	44.16	21.33	33.2		1.31	
Samre	72.11	14.03	11.29	1.28	1.29	
Hintalo	32.23	38.07	29.7			
Adigudem	51.61	4.28	12.27	10.73	21.1	
Wajirat	28.31	1.47	69.12	1.1		
Ayder	58.4	11.99	11.83	14.59	3.19	
Semen	33.54	6.51	40.68	11.71	6.49	1.06
Quiha	35.09	25.17	34.5	3.55	1.26	0.43
Kedamay Weyane	33.42	31.59	16.35	4.85	13.79	
Hawelti	73.01	12.04	3.26	7.97	3.73	
Adi Haki	59.82	15.8	4.82	4.17	15.4	
Hadnet	41.28	24.49	19.36	7.49	7.38	
Emba Alaje	39.73	8.26	51.3	0.16	0.55	
Selewa	20.79	2.37	76.84			
Bora	14.22	48.24	36.2	0.41	0.93	
Neqsege	64.31	5.16	29.57	0.22	0.74	
Enda mekoni	19.41	16.13	61.45	2.49	0.52	
Maichew	33.62	8.04	49.6	2.84	5.37	0.52
Mekoni town	55.72	12.83	16.85	5.71	8.88	
Raya Azebo	67.01	3.44	29.55			
Raya Chercher	71.7	2.42	25.06	0.41		0.41

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Table 0-3 Households total time spent to collect water by residence and woreda, weighted, TSES 2023/24 or 2015/16 E.C.

Characterstics	Time spent in minute							
	<15	15-30	31-45	46-60	61-90	91-120	>120	Total
Total	7.46	34.84	8.14	16.34	11.84	5.82	15.56	100.00
Residence								
Urban	16.85	42.09	6.64	11.41	5.70	2.06	15.25	100.00
Rural	6.52	34.12	8.29	16.83	12.45	6.19	15.59	100.00
Woreda								
Tsimbila	10.13	31.86	3.92	9.14	22.27	6.76	15.93	100.00
Endabguna	28.63	23.79		11.89	11.89		23.79	100.00
Asgede	12.54	36.46	3.06	4.24	32.25	6.39	5.06	100.00
Tahtay Adyabo	3.79	40.44	18.36	10.01	22.50	1.53	3.36	100.00
Sheraro	31.30			31.30	10.10		27.31	100.00
Maekel Adyabo	2.93	19.43	19.28	20.61	30.71	3.56	3.48	100.00
Seymti Adyabo	1.37	27.47	4.42	34.72	8.05	10.07	13.90	100.00
Aidaero	7.00	73.65	3.50	6.57	7.84	1.11	0.32	100.00
tahtay Koraro	27.93	61.24	6.67	1.94	1.75		0.46	100.00
Shire Endaselassie	47.32	45.67	3.37	3.63				100.00
Zana	0.77	33.45	17.38	21.09	14.61	2.87	9.82	100.00
Laelay koraro	2.58	31.49	19.08	12.93	8.56	4.17	21.18	100.00
Chila	4.82	54.52	12.77	10.09	3.14	1.11	13.55	100.00
Tahtay maichew	21.22	52.29	2.02	10.37	7.83	2.15	4.12	100.00
Adet	0.77	25.91	5.41	15.90	10.77	7.63	33.61	100.00
Laelay Maichew	9.15	70.73	1.18	10.05	5.94	1.69	1.25	100.00
Axum town				51.05			48.95	100.00
Neader	7.82	30.69	5.29	18.95	4.80	21.14	11.31	100.00
Kola temben	0.45	14.93	9.51	20.48	37.02	1.99	15.61	100.00
Abegele	0.96	5.83	1.99	3.89	10.13	6.75	70.44	100.00
Tanqua milash	1.43	15.40	3.82	22.89	16.97	9.09	30.40	100.00
Abiadi	24.72				75.28			100.00
Keyih tekli	3.03	29.20	3.41	12.62	20.97	15.57	15.20	100.00
Mai kinetal	1.07	14.06	10.55	14.90	15.89	18.45	25.08	100.00
Endabatsehama		10.79	1.46	14.56	7.04	12.85	53.30	100.00
Embasineyti	5.71	71.60	3.44	2.40	8.26	1.08	7.51	100.00
Hahayle		20.78	21.18	25.89	11.35	12.43	8.36	100.00
Wereda Adwa	16.88	48.95	11.03	14.82	2.78	1.33	4.22	100.00

Characterstics	Time spent in minute							
	<15	15-30	31-45	46-60	61-90	91-120	>120	Total
Adwa town		80.97					19.03	100.00
Rama	12.29	43.76	7.98	14.99	9.64	3.09	8.24	100.00
Ahsea	0.77	26.33	10.66	18.32	20.61	11.04	12.27	100.00
Egela	1.04	22.62	17.85	46.82	7.11	0.57	3.99	100.00
Ahferom	1.20	16.14	8.58	19.81	30.51	12.97	10.79	100.00
Enticho town	11.71	43.77	5.69	27.79	9.04	2.00		100.00
Bizet	0.49	19.55	17.11	13.39	15.35	10.74	23.37	100.00
Gulomekeda	4.19	23.13	2.74	15.40	23.67	9.53	21.35	100.00
Erob		17.45	0.91	6.18	17.15	9.94	48.37	100.00
Subha sasei	0.25	26.09	4.90	13.96	8.71	17.12	28.97	100.00
Ganta afeshum	9.62	47.56	11.18	16.79	8.26	3.70	2.89	100.00
Adigrat		100.00						100.00
Wereda Hawzen		17.40	30.77	25.35	16.46	5.68	4.35	100.00
Hawzen	2.01	60.84	6.83	14.85	6.20	3.71	5.57	100.00
Tsaeda Emab	4.84	67.83	9.14	9.92	4.75	0.72	2.81	100.00
Freweini town	1.24	6.18	0.93	3.71	5.10	1.55	81.31	100.00
Atsbi	4.02	10.92	4.36	31.87	4.09	30.95	13.79	100.00
Atsbi town		54.70			45.30			100.00
Tsirae wemberta	4.87	22.02	2.14	10.11	5.13	2.29	53.43	100.00
Kilte Awlaelo	56.12	37.70		2.57	2.63	0.98		100.00
Gerealta	1.58	30.79	9.44	13.36	3.44	1.79	39.61	100.00
Degua temben	20.69	68.84	4.02	5.16	0.74	0.55		100.00
Hagereselam		4.34		5.34	52.82	10.12	27.37	100.00
Enderta	13.65	32.07	2.69	26.52	7.63	4.82	12.60	100.00
Seharti	2.61	7.54	2.73	45.45	22.72	4.32	14.62	100.00
Samre		3.12	1.04	63.74	15.70	4.11	12.29	100.00
Hintalo	15.32	27.22	4.12	24.40	6.13	16.89	5.91	100.00
Adigudem	64.35				35.65			100.00
Wajirat	6.63	39.75	17.04	22.82	5.75	7.56	0.44	100.00
Ayder	0.85			0.85	11.02	1.84	85.44	100.00
Semen	66.81						33.19	100.00
Quiha	13.78	82.70	3.51					100.00
Kedamay Weyane	25.69	49.61	24.70					100.00
Adi Haki				20.60	38.21	41.19		100.00

Characterstics	Time spent in minute							
	<15	**15-30**	**31-45**	**46-60**	**61-90**	**91-120**	**>120**	**Total**
Hadnet	13.82	83.42		2.76				100.00
Emba Alaje	7.75	52.30	8.86	14.42	13.52	3.15		100.00
Selewa				0.78	32.03	6.90	60.29	100.00
Bora	0.57	5.83	0.97	28.05	14.77	11.15	38.65	100.00
Neqsege	9.96	54.75	7.83	12.76	12.01	1.36	1.34	100.00
Enda mekoni	5.09	56.61	17.19	7.06	6.14	7.46	0.44	100.00
Maichew		22.68	60.52	16.80				100.00
Mekoni town	100.00							100.00
Raya Azebo	1.70	26.37	21.62	11.79	5.09	5.78	27.65	100.00
Raya Chercher	7.06	34.86	16.33	12.68	26.12	1.17	1.78	100.00
Total	7.46	34.84	8.14	16.34	11.84	5.82	15.56	100.00

Table 0-4 Percentage distribution of households quality and type of toilet facilities; and hand washing facility by residence and woreda, weighted, TSES 2023/24 or 2015/16 E.C.

Characterstics	Toilet quality		Type household toilet facility								Hand washing faciulity		
	Total improved	Total unimproved	Flash toilet	Pit latrine, ventilated vip	Pit latrine, with slap	Pit latrine without slab	Compositing toilet	Bucket	Field/forest	Others specify	Yes, in Dwelling	Yes, in Yard/Plot	No
Total	38.05	61.95	27.98	3.17	5.51	11.78	1.4	0.25	49.4	0.52	6.56	17.4	76.04
Residence													
Urban	76.7	23.3	61.01	6.08	8.11	12.81	1.49	0.23	9.84	0.43	10.76	32.17	57.07
Rural	9.26	90.74	3.37	1	3.56	11.01	1.33	0.27	78.87	0.59	3.43	6.4	90.17
Woreda													
Tsimbila	13.62	86.38	7.38	0.95	3.27	35.94	2.03	0.42	50.01		5.04	11.52	83.43
Endabguna	60.25	39.75	38.1	5.85	7.84	17.24	8.46	2.61	19.9		6.66	14.49	78.85
Asgede	1.41	98.59	0.41		1	18.46			80.13		0.41	12.18	87.41
Tahtay Adyabo	0.86	99.14	0.2		0.19	2.24	0.46		96.9		0.61	0.41	98.99
Sheraro	72.61	27.39	38.49	8.94	18.79	1.74	6.38	1.52	17.43	6.7	5.06	54.13	40.81
Maekel Adyabo	25.25	74.75	15.34	3.99	5.56	36.33	0.37		38.42		2.13	35.98	61.89
Seymti Adyabo	11.8	88.2	0.7	4.86	6.24	5.8			82.4		1.69	15.17	83.14
Aidaero	31.56	68.44	26.68		4.22	10.47	0.67		57.98		0.67	3.86	95.46
tahtay Koraro	23.48	76.52	0.69	0.6	15.7	9.62	6.5		66.55	0.35	0.75	4.51	94.74
Shire Endaselassie	80.94	19.06	61.29	7.61	11.79	17.9	0.24		0.33	0.83	9.68	50.19	40.13
Zana	5.56	94.44	3.55		1.86	19.65	0.14		74.5	0.29	0.15	2.69	97.17
Laelay koraro	18.3	81.7	14.87	0.24	3.19	42.71			38.52	0.47	1.75	33.77	64.49
Chila	32.09	67.91	19.81	9.42	0.92	0.77	1.94		67.14		0.26	1.26	98.48
Tahtay maichew	30.15	69.85	23.02	0.17	6.2	29.26	0.75	0.12	39.41	1.07	6.74	13.59	79.67
Adet	3.55	96.45	2.09	0.5	0.24	0.2	0.72		96.25		0.74	0.26	99
Laelay Maichew	8.02	91.98	4.75	1.71	1.18	8.11	0.38		83.87		4.3	7.16	88.54

Characterstics	Toilet quality		Type household toilet facility								Hand washing faciulity		
	Total improved	Total unimproved	Flash toilet	Pit latrine, ventilated vip	Pit latrine, with slap	Pit latrine without slab	Compositing toilet	Bucket	Field/forest	Others specify	Yes, in Dwelling	Yes, in Yard/Plot	No
Axum town	98.11	1.89	59.59	37.57	0.95	1.56		0.13	0.2		16.64	70.31	13.04
Neader	6.71	93.29	0.47	2.22		1.24	4.02	1.83	89.87	0.37	0.42	2.76	96.82
Kola temben	4.8	95.2	3.3	1.33	0.18	1.95			93.25		0.52	1.68	97.79
Abegele	26.82	73.18	18.42	3.1	4.75	15.58	0.55		57.46	0.14	1.23	35.17	63.6
Tanqua milash	5.55	94.45	2.22		1.51	5.99	1.82		88.25	0.2		1.26	98.74
Abiadi	68.99	31.01	58.35	3.87	5.43	21.18	1.35		8.81	1.02	2.26	40.13	57.61
Keyih tekli	8.02	91.98	7.15	0.29	0.58	7.05			84.93			1.33	98.67
Mai kinetal	17.27	82.73	5.63	0.19	6.16	14.45	5.29		68.28		0.78	7.44	91.78
Endabatsehama	34.15	65.85	24.4	1.35	1.61	23.02	6.79		42.42	0.41	38.02	4.98	57
Embasineyti	16.83	83.17	14.65	0.14	1.13	13.2	0.9		69.97		0.55	13.21	86.24
Hahayle	6.38	93.62	2.85	0.72	0.86	15.62	1.95	0.33	77.67		0.25	2.98	96.78
Wereda Adwa	9.39	90.61	4.37	0.22	4.51	4.96	0.29		84.84	0.81	3.05	1.45	95.49
Adwa town	87.47	12.53	78.76	3.31	4.87	8.47	0.53		3.41	0.64	9.52	41.35	49.14
Rama	33.61	66.39	23.08	3.18	6.07	15.43	1.27	0.17	50.79		5.31	27.24	67.45
Ahsea	16.02	83.98	0.34	10.96	4.71	0.72			83.05	0.21	0.38	8.6	91.01
Egela	9.16	90.84	7.61	0.85	0.46	5.37	0.23	0.19	85.29		0.42	2.77	96.8
Ahferom	17.77	82.23	9.21	3.79	4.55	20.94	0.22		60.8	0.48		2.7	97.3
Enticho town	67.42	32.58	55.88	1.05	7.1	13.55	3.39	0.96	17.47	0.6	8.46	8.33	83.21
Bizet	30.61	69.39	24.6	0.96	5.04	19.88			49.51		0.32	19.45	80.22
Gulomekeda	22.51	77.49	17.05	0.33	5.13	7.16			70.33		0.6	16.49	82.91
Erob	28.88	71.12	26.15	0.15	2.58	5.03		0.16	64.09	1.85		24.12	75.88
Subha sasei	1.77	98.23	0.87		0.66	1.08	0.24		96.91	0.24	1.29	1.16	97.55
Edaga hamus	90.07	9.93	40.8	1.46	47.49	1.1	0.33		8.66	0.16	0.57	14.11	85.32

Characterstics	Toilet quality		Type household toilet facility								Hand washing faciulity		
	Total improved	Total unimproved	Flash toilet	Pit latrine, ventilated vip	Pit latrine, with slap	Pit latrine without slab	Compositing toilet	Bucket	Field/forest	Others specify	Yes, in Dwelling	Yes, in Yard/Plot	No
Ganta afeshum	10.19	89.81	4.09	2.99	2.57	16.18	0.54		72.94	0.69	3.4	4.45	92.15
Adigrat	81.73	18.27	56.62	18.17	6.94	11			6.94	0.32	34.49	20.65	44.86
Wereda Hawzen	5.88	94.12	0.3	1.23	4.35	22.74			71.38		1.86	1.55	96.59
Hawzen	92.36	7.64	83.17	1.46	6.29	2.15	1.44	0.14	5.35		0.51	19.87	79.62
Tsaeda Emab	23.56	76.44	2.83	1.11	18.96	3.19	0.65		56.08	17.17	0.83	5.8	93.37
Freweini town	65.41	34.59	62.98	0.2	2.24	2.37			32.21		0.23	5.57	94.2
Atsbi	2.26	97.74	2.26			3.18		0.2	93.91	0.45	1.61		98.39
Atsbi town	81.12	18.88	63.28	2.24	15.6	6.65		0.19	10.15	1.89	0.74	13.02	86.24
Tsirae wemberta	48.3	51.7	42.95	0.67	2.58	7.39	2.1	0.22	44.02	0.07	2.12	14.47	83.41
Wukro	91.49	8.51	83.79	1.18	5.62	8.24	0.91		0.26		4.02	38.8	57.18
Kilte Awlaelo	8.3	91.7	2.13	0.19	4.89	12.25	1.09		79.45		1.04	1.11	97.85
Gerealta	1.61	98.39	0.6	0.59	0.42	9.99			88.4		0.71	26.57	72.72
Degua temben	5.74	94.26		1.01	4.73	11.07			83.19		0.06	2.21	97.73
Hagereselam	65.55	34.45	49.7	1.1	5.41	16.05	9.35		18.15	0.25	8.13	9.82	82.05
Enderta	13.66	86.34	7.56	0.38	5.22	12.55	0.49		73.65	0.14	0.11	10.02	89.87
Seharti	8.86	91.14	1.73	1.07	0.76	8.56	5.29	0.39	82.19		7.73	6.71	85.56
Samre	24.71	75.29	18.96	4.17	1.43	5.29	0.14	0.14	65.63	4.23	0.85	12.89	86.26
Hintalo	14.95	85.05	1.54	2.23	10.01	13.13	1.17	0.36	71.55		5.82	22.8	71.38
Adigudem	67.88	32.12	60.35	2.87	3.89	22.54	0.76	0.24	9.18	0.16	2	40.59	57.41
Wajirat	8.87	91.13	4.73		3.37	1.54	0.77		89.59		5.35	0.96	93.69
Ayder	87.79	12.21	83.05	1.16	3.08	7.87	0.51	0.39	3.86	0.09	8.53	45.41	46.07
Semen	96.13	3.87	89.46	3.28	3.26	1.16	0.13		2.55	0.16	32.01	54.29	13.7
Quiha	70.07	29.93	33.29	5.69	29.45	15.72	1.64		14.21		38.37	31.63	30

Characterstics	Toilet quality		Type household toilet facility								Hand washing faciulity		
	Total improved	Total unimproved	Flash toilet	Pit latrine, ventilated vip	Pit latrine, with slap	Pit latrine without slab	Compositing toilet	Bucket	Field/forest	Others specify	Yes, in Dwelling	Yes, in Yard/Plot	No
Kedamay Weyane	95.4	4.6	76.66	11.9	6.19	2.61	0.65		0.49	1.49	25.65	31.7	42.65
Hawelti	85.5	14.5	72.53	6.7	5.98	7.38	0.29	0.53	6.59		15.69	28.28	56.04
Adi Haki	88.83	11.17	81.86	4.74	0.93	4.32	1.31	0.85	6		14.68	21.5	63.82
Hadnet	75.75	24.25	68.96	1.63	4.46	11.17	0.7		13.08		11.21	22.16	66.63
Emba Alaje	24.85	75.15	10.25	0.86	11.64	7.4	2.1	9.68	58.07		1.32	2.27	96.42
Selewa	9.67	90.33	0.45		8.93	12.45	0.28		77.88		0.29	0.76	98.95
Bora	4.8	95.2	0.53	0.22	1.43	8.11	2.63		87.09		8.49		91.51
Neqsege	5.14	94.86	1.24	1.01	2.4	0.8	0.49		94.07		0.53	2.01	97.46
Enda mekoni	16.94	83.06	2.54	1.96	1.46	13.94	10.99	1.29	67.83		2.24	11.08	86.69
Maichew	64.51	35.49	33.47	12.71	15.46	26.92	2.87		7.09	1.48	2.4	19.8	77.8
Mekoni town	78.7	21.3	58.34	1.93	13.74	18.87	4.69		2.43		0.75	33.07	66.18
Raya Azebo	18.82	81.18	7.55		11.27	10.43			70.74		23.93	4.47	71.59
Raya Chercher	13.43	86.57	7.36	1.65	4.01	6.06	0.41		80.51		9.11	12	78.89
Total	38.05	61.95	27.98	3.17	5.51	11.78	1.4	0.25	49.4	0.52	6.56	17.4	76.04

Table 0-5 Household solid-waste facilities by residence and woreda, weighted, TSES 2023/24 or 2015/16 E.C.

Characterstics	waste disposable vehicle	waste disposal container	dug out	throw away	use as fertilizer	burning the waste		collected by municipality (public dump)	other (specify)
Total	8.24	1.21	24.9	45.26	16.99	8.99	8.99	21.94	0.33
Residence									
Urban	20.67	1.41	11.21	19.35	2.19	6.15	6.15	55.48	0.37
Rural	0.39	1.08	33.54	61.63	26.34	10.78	10.78	0.76	0.31
Woreda									
Tsimbila	0.25	0.5	20.1	57.07	28.04	12.66	12.66		
Endabguna	31.67			11.39	0.56	0.28	0.28	66.11	
Asgede	0.83	0.28	9.44	78.89	44.17	9.44	9.44		
Tahtay Adyabo			9.88	84.69	33.09	0.74	0.74		
Sheraro	54.09	0.25	2.98	1.49	3.23	3.47	3.47	35.24	
Maekel Adyabo	3.92	5.88	19.05	65.55	1.68	6.72	6.72	2.8	
Seymti Adyabo		1.12	38.38	61.34	32.49	3.08	3.08	0.28	
Aidaero	9.14		36.55	27.94	12.79	26.37	26.37	17.75	10.97
tahtay Koraro	0.51	3.32	9.72	84.65	10.23	1.53	1.53	0.51	0.26
Shire Endaselassie	49.77	0.45	0.45		0.23	0.9	0.9	75.68	
Zana			47.41	52.84	22.22	1.23	1.23		
Laelay koraro	0.25	0.25	33.66	39.6	20.05	14.11	14.11		5.45
Chila		0.5	25.74	67.57	25.74	15.1	15.1	0.25	
Tahtay maichew	0.51	3.3	24.11	58.38	17.26	4.31	4.31	0.25	3.05
Adet	0.89		4.22	85.11	17.56	1.33	1.33		0.22
Laelay Maichew		0.25	57.89	57.64	34.59	27.82	27.82		
Axum town	16.28	0.46	25	0.46	0.23	8.72	8.72	92.2	0.23
Neader	0.25	0.74	50.62	53.83	22.96	11.85	11.85	0.25	
Kola temben	0.25	3.21	36.3	78.27	33.33	3.7	3.7		

Characterstics	waste disposable vehicle	waste disposal container	dug out	throw away	use as fertilizer	burning the waste		collected by municipality (public dump)	other (specify)
Abegele	19.01		23.21	36.54	31.85	13.33	13.33	15.06	
Tanqua milash			4.72	79.72	29.72	1.39	1.39		0.28
Abiadi	29.38	0.25	10.37	8.64	10.86	3.95	3.95	57.04	0.74
Keyih tekli	3.49		6.99	62.9	33.87	2.42	2.42		
Mai kinetal		0.27	57.81	42.74	26.3	15.34	15.34	9.59	
Endabatsehama	0.25	1	54.75	29.75	21.75	7.5	7.5	19.5	
Embasineyti		0.5	52.97	36.63	4.7	22.03	22.03	19.31	
Hahayle	0.5	0.25	38.21	54.84	42.18	15.63	15.63	0.25	
Wereda Adwa			39.87	64.14	22.27	2.23	2.23		
Adwa town	19.91	1.12	24.38	9.4		17.9	17.9	68.46	
Rama			25.93	63.53	15.67	0.85	0.85	0.85	
Ahsea			13.69	81.28	34.08				
Egela			28.53	82.49	17.8	6.78	6.78		
Ahferom	0.22		50	61.11	19.56	27.78	27.78	0.89	0.44
Enticho town	12.29		2.51	15.36	1.12	1.12	1.12	78.49	
Bizet	23.12		46.8	37.88	20.61	0.28	0.28		
Gulomekeda	10.33		6.3	61.96	28.21	5.79	5.79		
Erob			23.31	78.09	1.69	1.69	1.69		
Subha sasei			27.2	55.42	47.61	25.94	25.94		
Edaga hamus	21.91	1.97	0.28	5.62	0.56	0.56	0.56	72.75	
Ganta afeshum		0.25	32.75	57.07	28.54	4.71	4.71	0.5	
Adigrat	21.16		0.45	3.12	0.89	18.26	18.26	65.03	
Wereda Hawzen	0.47	0.23	60.56	51.88	27	5.63	5.63		
Hawzen	18.21	4.2	45.1	17.09	1.12	28.01	28.01	32.77	0.28
Tsaeda Emab			59.19	29.72	44.08	3.02	3.02	1.26	
Freweini town	0.87		0.29	66.18		0.29	0.29	84.26	

Characterstics	waste disposable vehicle	waste disposal container	dug out	throw away	use as fertilizer	burning the waste		collected by municipality (public dump)	other (specify)
Atsbi		0.25	50.5	48.02	47.28	24.01	24.01	2.48	
Atsbi town	25.98	1.68	1.68	16.2	2.23	4.75	4.75	68.16	
Tsirae wemberta	0.22	0.22	33.56	21.7	12.53	1.34	1.34	36.02	0.45
Wukro	21.21			10.1		0.25	0.25	68.69	0.25
Kilte Awlaelo	0.26		27.51	59.9	26.74	11.05	11.05		
Gerealta			50.7	53.8	19.15	14.93	14.93	0.56	
Degua temben			38.46	54.59	31.51	4.47	4.47	0.25	
Hagereselam			55.03	69.55	16.76	0.84	0.84	1.4	
Enderta			21.74	70.77	25.6				
Seharti		0.49	19.26	68.89	32.1	9.63	9.63		0.49
Samre			8.23	69.08	33.67	11.22	11.22		
Hintalo			56.18	37.08	39.1	13.71	13.71	3.6	
Adigudem	8.95	0.79	18.16	27.63	3.42	20.26	20.26	71.05	0.26
Wajirat			21.13	92.39	1.69	2.82	2.82		
Ayder	19.56	18.67	2.22	17.78	0.22	0.67	0.67	58.67	
Semen	23.44	0.67	6.25	5.36		15.4	15.4	65.63	
Quiha			9.33	30	4.89	7.78	7.78	50.44	
Kedamay Weyane	22.28	1.24		0.5				77.23	0.25
Hawelti	40.6			12.16		0.92	0.92	46.56	
Adi Haki	20.54		1.81	17.38		0.23	0.23	60.05	
Hadnet	27.38	0.23	14.71	14.93	1.81	9.28	9.28	45.25	
Emba Alaje			61.23	49.14	12.35	12.35	12.35	23.7	
Selewa			13.89	71.11	14.17	0.83	0.83	0.56	0.28
Bora		0.63	27.3	82.86	36.19	14.29	14.29		
Neqsege			8.06	95.28	6.39	1.67	1.67		0.28
Enda mekoni		0.25	23.21	64.94	43.95	33.33	33.33	0.25	

Characterstics	waste disposable vehicle	waste disposal container	dug out	throw away	use as fertilizer	burning the waste		collected by municipality (public dump)	other (specify)
Maichew	17.78		18.02	8.15	0.49	4.2	4.2	60.49	
Mekoni town	25.66		0.29	1.47		0.59	0.59	71.98	
Raya Azebo	0.25		60.6	89.28	5.49	23.94	23.94		1
Raya Chercher			10.2	77.86	13.43	9.45	9.45	9.7	0.25
IDP	7.79	25.6	37.85	12.06		28.2	28.2	1.67	
Total	8.24	1.21	24.9	45.26	16.99	8.99	8.99	21.94	0.33

Table 0-62 Percentage distribution of households source of light and electric power outage by residence and woreda, weighted, TSES 2023/24 or 2015/16 E.C.

Characterstics	Source of light													Electric power outage				
	Electricity Meter-Private	Electricity Meter-Shared	Electricity From Generator	Solar Energy	Bio Gas	Electrical Battery	Lantern	Light From Dry Cell With Switch	Kerosene Light Lamp (Imported)	Local Kerosene Lamp (Kuraz)	Candle/Wax	Fire Wood	Other (Specify)	No failure/interruption	Only once	Twice	Three times	More than three times
Total	18.6	30.7	0.2	26.8	0.2	2.3	0.8	7	0.2	0.7	0.3	10.7	1.6	1.78	9.79	15.59	20.09	52.75
Residence																		
Urban	34.6	60.2	0.1	2	0	0.2	0.1	0.3	0	0	0.1	2.3	0.2	1.74	10.53	16.02	19.77	51.94
Rural	6.7	8.7	0.2	45.3	0.3	3.8	1.4	11.9	0.4	1.3	0.4	16.9	2.7	1.98	6.41	13.62	21.54	56.45
Woreda																		
Tsimbila	4.4	2.5	0.3	39.5	1.6	0.7	0.1	32	0.9	1.9	0.7	15.4		4.21	14.73	13.88	8.42	58.76
Endabguna	50.6	45.5	0.4	3.2									0.2	0.28	9.68	8.71	30	51.33
Asgede	14.9	0.4	2.9	50.3			0.2	29.2		0.3	0.8	1			2.7			97.3
Tahtay Adyabo				46.3		14		10.1				27.4	2.3					
Sheraro	29.2	58		9.4		0.1		1	0.1	0.3	1.3	0.3	0.4	1.31	20.89	38.62	11.36	27.83
Maekel Adyabo	23.1	27.8	0.3	11.1			0.2	7.5		0.1		30		0.34	1.82	6.01	53.89	37.94
Seymti Adyabo		0.3		81.2	0.7	0.3	0.3	4.6		0.3		12.3		100				
Aidaero	17.2	25.4		18.5		0.2	0.5	7.7				19.8	10.8	5.13	15.34	37.04	12.61	29.89
tahtay Koraro	4.4	12.3		55.4			0.2	6.7				20.8	0.1			4.43	12.47	83.09
Shire Endaselassie	20.3	77.7		0.5							0.2	1.1	0.1		9	12.84	14.28	63.88
Zana	4	11.4		42		8.6	0.4	7.3	0.6	0.9	0.4	14	10.5				14.81	85.19
Laelay koraro	32	6.4		40.3		0.3	11.5	5.9		0.6	0.3	1.5	1.1		2.38	3.14	1.89	92.59

Characterstics	Source of light													Electric power outage				
	Electricity Meter-Private	Electricity Meter-Shared	Electricity From Generator	Solar Energy	Bio Gas	Electrical Battery	Lantern	Light From Dry Cell With Switch	Kerosene Light Lamp (Imported)	Local Kerosene Lamp (Kuraz)	Candle/Wax	Fire Wood	Other (Specify)	No failure/interruption	Only once	Twice	Three times	More than three times
Chila	5.8	8.1		26.5	0.5	0.6	7.9	16.5			0.8	33	0.2			7.74	85.67	6.59
Tahtay maichew	28.3	26		18.1	1.4	0.4	0.9	14.7			0.1	10		0.23	5.68	23.06	10.9	60.14
Adet	1.2	10	1.3	27.5	0.3	8.1	0.7	9.3	0.2	1.7	0.9	38.7				2.33	19.66	78
Laelay Maichew	1.3	0.5		93.7	0.2	0.7		0.9	0.2	0.6	0.2	1.4	0.2	14.02	17.59	42.99	12.7	12.7
Axum town	25.8	69.8	0.9	0.2		0.1		0.4				2.8		0.08	13.62	8.11	6.66	71.53
Neader	0.2	2.2		58.5	0.7	0.6	2.5	30.3	2.4	1.6		0.5	0.6			6.91		93.09
Kola temben	9.5	6.1		43.1	0.5		5.8	10.8	1	1		21.9	0.1			4.31	1.97	93.71
Abegele	32.8	7.8		24.7			0.1	12.2				8.7	13.7	1.59			0.13	98.27
Tanqua milash				42.8		0.2	0.5	26.7			0.5	29.4						
Abiadi	4.9	73.6					0.3	0.7				20.5		8.25	29.3	30.76	22.27	9.43
Keyih tekli	1.9	14.7	0.3	53.2		0.3	0.3	23.4				2.5	3.4	8.79				91.21
Mai kinetal	5.9	14.8		58.3		0.2		9		0.6		10.8	0.4		2.23	7.5	44.25	46.01
Endabatsehama	21.8	26.6		9.5		0.6		11.4			0.1	30		0.28	4.71	30.97	58.66	5.37
Embasineyti	17.9	13.1		19		32	0.5	12.9		2.3	0.6	0.9	0.7					100
Hahayle	3	15.3		27.2			0.3	20.8	1.3	4.7	0.3	23.7	3.3				1.27	98.73
Wereda Adwa	2.2	7.6		39.4	0.6	33.5	1.6	1.2	2.4	6.7	0.8	2.6	1.4	13.68	54.03	17.74	4.19	10.36
Adwa town	61.6	28.8		0.7		0.6		0.2				8.1		0.77	15.7	29.65	28.51	25.39
Rama	34.3	9.1	0.4	29.8	0.2	0.6	1.7	3			5.4	13.9	1.6		1.83	52.4	42.27	3.51
Ahsea		0.8		72	0.3		2.6	11.4	0.2	3.3		3.7	5.7				50	50
Egela	11.3	27.7		6.7		12.4	2.8	0.5	3.4	18.5	0.2	10	6.6		0.59			99.41

Characterstics	Source of light													Electric power outage				
	Electricity Meter-Private	Electricity Meter-Shared	Electricity From Generator	Solar Energy	Bio Gas	Electrical Battery	Lantern	Light From Dry Cell With Switch	Kerosene Light Lamp (Imported)	Local Kerosene Lamp (Kuraz)	Candle/Wax	Fire Wood	Other (Specify)	No failure/interruption	Only once	Twice	Three times	More than three times
Ahferom	7.1	6.1		32.8	0.4	14.2	0.8	13.2	2.8	1.1	0.2	20.8	0.5			4.63	6.93	88.44
Enticho town	42.7	44.7		3.4		0.2				0.2		8.5	0.2	1.63		1.21	8.69	88.47
Bizet	15.4	18.3		4.3	4.4	0.8		5.5	0.2	20.6	1.1	28.7	0.7		1.9	8.43	43.5	46.17
Gulomekeda	1.5	25.4		30	0.4	1.8	1.6	22.5	0.2		0.3	16.4				24.14	27.09	48.77
Erob	21.4	26.1		34.5		1		0.2			0.4	16.5		1.29	1.94	9.04	3.98	83.75
Subha sasei		8.6		44.8		0.4		17.1	1.5	0.8		26.3	0.5	2.36	35.92	2.36	35.75	23.61
Edaga hamus	25.2	72		2.5							0.1		0.2	0.92	5.41	58.95	24.12	10.61
Ganta afeshum	7	43.1	0.2	48.2	0.8						0.3	0.4		0.65	7.94	1.32	0.46	89.62
Adigrat	26.4	68.9		0.3		0.4						3.8	0.2		19.53	4.62	13.53	62.32
Wereda Hawzen	0.4	3.2		82.7	0.2		0.5	3.5		0.5		2.3	6.6				31.69	68.31
Hawzen	0.2	90.1		8.3			1.2					0	0.2	0.12		8.5	11.26	80.11
Tsaeda Emab	14.9	4.8		68.2		0.3	1.9	6.2		1.3		1.3	1.1	5.62	3.1	10.95	23.68	56.66
Freweini town	15.9	81.7		1.9		0.4					0.2				19.05	3.24	3.03	74.67
Atsbi	4.1	6.2		47.4		0.5	0.3	19.4	0.3	0.6		20.8	0.5	6.34	2.01	19.25	30.09	42.32
Atsbi town	24.8	66.9		3.7		0.5			0.2			3.7	0.3	0.53	0.98	5.4	44.02	49.07
Tsirae wemberta	30.2	31.9		21.4		0.4			0.2			15.7	0.2	0.97	2.24	1.7	10.89	84.19
Wukro	23.7	75.3	0.4			0.1						0.2	0.1		11.82	21.27	31.08	35.82
Kilte Awlaelo	12.3	6.9		56.7			1.8	1	0.6	0.2	0.6	19.4	0.6					100
Gerealta	5.8	7.3		49.1		10.8	2.7	21.1		0.2		2.8	0.3				39.47	60.53
Degua temben	3.3	2.8		90.4	0.5	0.1		0.3				2.1	0.5	17.34		3.76	78.9	

Characterstics	Source of light													Electric power outage				
	Electricity Meter-Private	Electricity Meter-Shared	Electricity From Generator	Solar Energy	Bio Gas	Electrical Battery	Lantern	Light From Dry Cell With Switch	Kerosene Light Lamp (Imported)	Local Kerosene Lamp (Kuraz)	Candle/Wax	Fire Wood	Other (Specify)	No failure/interruption	Only once	Twice	Three times	More than three times
Hagereselam	45.4	39.8		0.6		0.5	0.8				0.2	12.5	0.2				2.26	97.74
Enderta	24.9	22.3	0.1	15.7			0.7	17		0.2	0.3	18.7		0.73	8.1	13.96	26.09	51.11
Seharti	8	10.5		41.4	0.2			0.5			0.3	39.2				10.56	22.76	66.67
Samre	25	15	0.1	4.8	0.5	12.3	4.2	11.5		0.2	0.7	25.6	0.1		84.06	11.07	1.43	3.44
Hintalo	13.7	15.4	0.3	57.6			0.3	10		0.3		1.6	0.8	9.03	1.43	7.93	13.69	67.91
Adigudem	44.3	52.2		1.4		0.2		0.6	0.2		0.1	0.9			0.84	6.78	11.17	81.21
Wajirat	5.5	7.4		64.9		0.4		6.7				11.3	3.8			5.93	14.82	79.26
Ayder	9.7	89.2		0.2		0.2				0.2	0.2	0.4		6.76	5.53	3.14	29.33	55.24
Semen	11.5	84.3	0.9			0.7		0.2			0.2	2.1	0.1	0.25	12.81	10.12	27.57	49.25
Quiha	49.6	47.6		0.1		0.4		0.2			0.2	1.4	0.6	5.07	23.27	32.27	20.72	18.67
Kedamay Weyane	14.9	70.6	0.1	0.2								12.8	1.4	2.62	32.02	9.37	7.48	48.51
Hawelti	17.1	81.6		0.6							0.5	0.2		0.36	3.86	11.41	51.56	32.82
Adi Haki	33.8	65.1						0.5				0.7		4.17	10.26	20.38	8.68	56.52
Hadnet	24.1	75.5									0.2	0.1		1.57	8.69	19.68	20.67	49.39
Emba Alaje	31.2	21.1		14.7		0.5	1.8	0.3	0.2	1.3	0.3	28.6			4.43	77.9	17.17	0.5
Selewa	7.2	25.2		59.4			1.8	4.4		0.2		1.8			7.07	39.53	36.9	16.5
Bora	1.9	0.9		48.8	1.1	7.6	0.9	5.4				33.3		14.64	7.5			77.86
Neqsege	0.9	0.4		89.9	0.3			8.3				0.2		66.36			33.64	
Enda mekoni	17	9.1		34.7		0.3		18.9	0.7	0.1		18.5	0.7	10.2	14.05	36.3	20.74	18.71
Maichew	34.3	63.8	0.2	0.8		0.3						0.6		17.7	18.83	29.39	20.77	13.32

Characterstics	Source of light													Electric power outage				
	Electricity Meter-Private	Electricity Meter-Shared	Electricity From Generator	Solar Energy	Bio Gas	Electrical Battery	Lantern	Light From Dry Cell With Switch	Kerosene Light Lamp (Imported)	Local Kerosene Lamp (Kuraz)	Candle/Wax	Fire Wood	Other (Specify)	No failure/interruption	Only once	Twice	Three times	More than three times
Mekoni town	77.5	21.6		0.3								0.3	0.3		4.99	15.82	21.98	57.21
Raya Azebo	10.3	26.7	0.8	40		0.3		1				1.9	19.2	3.7	8.48	20.76	15.11	51.95
Raya Chercher	4	23.9	0.3	32.2	0.3		0.6	9.4	0.3	0.3	7.9	20.8				4.43	3.18	92.39
IDP																		100
Total	18.6	30.7	0.2	26.8	0.2	2.3	0.8	7	0.2	0.7	0.3	10.7	1.6	1.78	9.79	15.59	20.09	52.75

Table 11-7: Household source of fuel by residence and woreda, weighted, TSES 2023/24 or 2015/16 E.C.

Characterstics	Collecting Fire Wood	Purchase Fire Wood	Charcoal	Crop Residue /Leaves	Dung/ Manure	Saw Dust	Kerosene	Butane Gas	Electricity	Solar Energy	Bio Gas	None	Other (Specify)
Total	56.1	10.2	9.1	0.2	1.2	0	0	0.1	21.7	0.1	0	1.2	0.1
Residence													
Urban	12.3	18.2	18.6	0.1	0.8	0		0.3	48.1	0.2		1.5	0.1
Rural	88.7	4.2	2.1	0.3	1.4	0	0	0	2.1	0.1	0	0.9	0
Woreda													
Tsimbila	86.5	2	2.3	2.5	0.6	0.3			0.4			5.4	
Endabguna	15.9	41.2	28.5					0.2	14			0.2	
Asgede	73.5	23.1	3						0.4				
Tahtay Adyabo	96.9	3.1											
Sheraro	13.7	62.9	9.5		0.1				8.1			5.3	0.4
Maekel Adyabo	59.2	32.5	1.8				0.3	0.4	3.1	0.1		2.5	
Seymti Adyabo	96.5	1.9	0.3				0.6	0.3				0.3	
Aidaero	62.1	21.4	10.4						4.9			1.2	
tahtay Koraro	74.5	8.5	6.5		8.5				1	0.3		0.6	
Shire Endaselassie	2.3	18.2	36.5						39.5			3.3	0.1
Zana	87	10.8			1.1				1.1				
Laelay koraro	65.3	17.3	0.6	1.9	0.1			0.2	11.6	0.6		2.2	0.2
Chila	82.3	14.5		1.5	1.5	0.2							
Tahtay maichew	50	17.7	9.8		1.1				20.2		0.4	0.9	
Adet	90.6	0.3	1.2			0.2			6.8	0.2		0.6	
Laelay Maichew	98.1	1.4	0.3						0.2				
Axum town	4.8	3.4	24.4						66.4	0.2		0.9	
Neader	99.6								0.4				

Characterstics	Collecting Fire Wood	Purchase Fire Wood	Charcoal	Crop Residue /Leaves	Dung/ Manure	Saw Dust	Kerosene	Butane Gas	Electricity	Solar Energy	Bio Gas	None	Other (Specify)
Kola temben	87.7	8.1	0.5						2.6	0.2		0.9	
Abegele	93.8	0.1							6.1				
Tanqua milash	97				0.6							2.4	
Abiadi	36	5.2	11.3	0.2	0.5			13.7	31	0.3		1.6	
Keyih tekli	89	10.1								0.3		0.6	
Mai kinetal	90.7	8.3	0.8									0.2	
Endabatsehama	58.1	17.9	0.1		0.4				23.3	0.1		0.1	
Embasineyti	74.7	14.7	2.1		1				6.7	0.8			
Hahayle	96	0.7							2.3	0.3		0.8	
Wereda Adwa	99				0.5				0.4				
Adwa town	17.8	24.4	13.4						42.5			1.8	0.2
Rama	70.4	1.5	1.6		0.6		0.2	0.2	3.5	0.2	0.3	21.6	
Ahsea	98.4	0.9							0.4			0.3	
Egela	77.2	6.9	14.4						0.6			0.5	0.4
Ahferom	92.4	0.6	0.2	5.5	0.2	0.2			0.9			0.1	
Enticho town	15.7	32.3	21.8	0.4	0.2				28.9			0.6	
Bizet	77.3	11.5	0.3						8.7			2.2	
Gulomekeda	85.2	13.1	0.4		0.7				0.4	0.2			
Erob	65.7	5.6	6.8						21.4	0.3		0.3	
Subha sasei	96.2	1.8							2				
Edaga hamus	5	9.3	34.6						51				0.2
Ganta afeshum	71.3	5.9	19.1		0.3				3			0.5	
Adigrat	2.4	19.1	20.3						55.8	0.9		1.4	
Wereda Hawzen	82.9	4.1	0.2	0.1	11.5				0.4			0.7	
Hawzen	11.6	28.3	6.2						53.2			0.9	
Tsaeda Emab	84.6	6.2	2.6	0.6	5.2				0.4	0.2			0.2
Freweini town	13.5	13.7	39.9						32.7			0.2	

Characterstics	Collecting Fire Wood	Purchase Fire Wood	Charcoal	Crop Residue /Leaves	Dung/ Manure	Saw Dust	Kerosene	Butane Gas	Electricity	Solar Energy	Bio Gas	None	Other (Specify)
Atsbi	88	4.3	1.8		0.2	0.2			2.5	0.2		2.6	0.3
Atsbi town	6.8	22.4	3.1						65.3	1.6		0.9	
Tsirae wemberta	50.9	10	7.4		9.1				22	0.3		0.2	
Wukro	7.5	8.7	2						79.8	0.4		1.6	
Kilte Awlaelo	91.1	0.6			1.9				0.5			5.9	
Gerealta	96	0.9	2.1		1								
Degua temben	96.5			0.5	0.7				2			0.2	
Hagereselam	32.1	16.2	10.5		0.5				38.7			1.7	0.2
Enderta	81.6	3.4	5.6		4.5				4.7				0.3
Seharti	92.2	3.5	3.4						0.4			0.5	
Samre	58.8		37.1		2.4	0.2			0.4			1.1	
Hintalo	81.9	3.8	1.6	1	4.9		0.3		4.7		0.1	1.5	0.2
Adigudem	4.1	25	14.8		0.7				53.2			1.7	0.5
Wajirat	93.2	0.3	0.3		0.3				5.4	0.5			
Ayder	2.4	9.1	27.9	0.2	0.2	0.2		0.1	58.7	0.4		0.8	
Semen	1	3.3	10.1						84.6			0.5	0.5
Quiha	2.4	2.1	13.4		6.3				74.3			0.9	0.6
Kedamay Weyane	2.2	3.2	23.6		0.4				68.8	0.1		1.3	0.5
Hawelti	0.6	0.7	28.8		0.2				69.3			0.4	
Adi Haki	3.9	3.5	23.7		0.7	0.1			67.8			0.2	
Hadnet	16.5	12.7	6.7	0.1	0.2				63.1	0.4		0.2	
Emba Alaje	42.1	14.8	26.6						16.3			0.3	
Selewa	84.1	7.1					0.2		8.7				
Bora	84.6	5.9		0.5	8.4							0.2	0.4
Neqsege	99.2	0.6		0.2									
Enda mekoni	84.9	4.6			0.3				9			1.2	

Characterstics	Collecting Fire Wood	Purchase Fire Wood	Charcoal	Crop Residue /Leaves	Dung/ Manure	Saw Dust	Kerosene	Butane Gas	Electricity	Solar Energy	Bio Gas	None	Other (Specify)
Maichew	10.8	20.8	21.5		0.4				45.8			0.7	
Mekoni town	3.2	22	22.4	0.3					50.3	0.3		1.4	
Raya Azebo	69.6	20.2		0.4	1.1				8.4			0.4	
Raya Chercher	75.3	10.9	5.1						1.2	0.3		7.2	
Total	56.1	10.2	9.1	0.2	1.2	0	0	0.1	21.7	0.1	0	1.2	0.1

CHAPTER TEWELVE

ASSET OWNERSHIP

12.1 Household Equipment's

12.1.1 Household Furniture

Based on socioeconomic survey conducted under the interim administration of Tigray showed that most owned household equipment were Jerikan (73.6%) followed by clay baker (39.4%), in 2024 G.C,. About 73.6 percent of urban households and 23.6 percent of rural households own a wooden or metal bed. Other household durables often owned in urban areas, were chairs and tables, cupboard, sofa sets, and such kitchen items as electric mogogo, oven, kerosene stoves, and gas medija. In rural areas other most owned household equipment's were such as kettle or tea pot, clay pot and oven (**Table 12.1**).

12.1.2 Value of Household Furniture

The average values of wooden or metal bed owned by the household were 5693.1 birr with standard deviation (SD) of 4629.1 birr. The value of Jerikan owned by the households were reported a mean of 101.8 birr with SD of 68 birr. The average cost of chairs and tables were 109.9 and 1570.2 birr respectively. The costs for cupboard and sofa sets were also a mean of 11,236.2 and 11,473.6 birr respectively and their costs were slightly higher in urban than rural residents (**Table 12.3**). Generally based on this survey most of households have one equipment. Specifically, households in Tigray under the interim admin have three chairs and two Jerikan averagely (**Table 12.2**).

12.1.3 Entertainment and Communication Equipment

This survey indicated that most of electronics were more owned in urban residents than rural. Mobile phone (41.2%) was the most owned electronics and urban (57%) households were more owns it than rural (29.4%). About 54.8% of urban households owned television but only 3.9% of rural households did; 20.3% of urban households had refrigerator, but only 0.6% of rural

households. Radios were owned by 3.4% of urban and 6.3% of rural households. The least owned electronics were computers (0.1%) and laptops (0.7%). In terms of personal items about 4.5% of urban 1.3% of rural households had gold (**Table 12.1**).

12.1.4 The value of Entertainment and Communication Equipment

The highest average cost for mobile phone was in urban (2332.4 birr) than rural (1869.5 birr) residents. The mean and SD value of television and refrigerator owned by households were 10,322.3(6636.2) and 20,664.5 (11,388.2) birr. The average value of laptop and computer owned by urban households were also 24,100.3 and 17,771.1 birr. The value of bicycle owned was 9933.2 birr (**Table 12.3**).

Table 0-1 Proportion of Owned Household Equipment, TSES, 2016(2024)

Household Equipment's	Weighted			Unweighted		
	Urban (n=598,471)	Rural (n=803,447)	Total (n=1,401,918)	urban (n=11,690)	Rural (17,971)	Total (29,661)
Furniture						
Jerikan	65.21	79.79	73.56	65.51	80.04	74.31
Beds wooden/metal	73.55	23.57	44.91	72.51	19.23	40.23
Clay baker (megogo)	16.72	56.31	39.40	16.30	59.48	42.46
Kettle/tea pot	43.84	27.11	34.25	41.21	27.96	33.18
Chairs	41.18	8.45	22.42	40.60	7.26	20.40
Electric mitad	31.66	2.34	14.86	31.39	1.51	13.29
Tables	25.82	3.39	12.96	23.22	2.50	10.67
Cupboard	23.49	1.67	10.98	21.67	1.33	9.35
Sofa set	16.92	0.45	7.48	15.29	0.20	6.15
Clay pot (e'atro)	1.23	11.18	6.94	1.39	11.81	7.70
Gas medija	6.09	0.12	2.67	5.98	0.06	2.39
Oven	2.35	2.66	2.53	2.71	2.48	2.57
Improved /fuel stove	1.59	0.06	0.72	0.96	0.06	0.41
Kerosene stove	0.05	0.09	0.07	0.03	0.09	0.07
Charcoal stove	15.49	6.19	10.16	13.79	5.44	8.73
Electronics						
Mobile phone	57.04	29.39	41.20	56.91	27.41	39.03
Television	54.84	3.88	25.64	52.62	2.31	22.14

Household Equipment's	Weighted			Unweighted		
	Urban (n=598,471)	Rural (n=803,447)	Total (n=1,401,918)	urban (n=11,690)	Rural (17,971)	Total (29,661)
Refrigerator	20.26	0.59	8.99	18.51	0.40	7.54
Radio	3.42	6.30	5.07	3.53	6.72	5.47
Tape	3.07	0.29	1.48	2.61	0.31	1.22
Computer	0.29	0.00	0.12	0.33	0.00	0.13
Labtop	1.54	0.00	0.66	1.21	0.01	0.48
Washing machine	1.30	0.27	0.71	1.05	0.27	0.58
Personal Items						
Gold	4.54	1.30	2.68	3.66	0.95	2.02
Silver	2.34	0.90	1.51	1.82	0.73	1.16
Watch	1.16	0.67	0.88	1.06	0.70	0.84
Other assets						
Barrel (bermil)	38.06	15.31	25.02	36.35	14.90	23.35
Thermo flask	10.51	0.41	4.72	9.34	0.38	3.91
Bicycle	0.83	0.17	0.45	0.71	0.11	0.34
Motor vehicle	0.70	0.19	0.40	0.56	0.11	0.29
Fanus/masho	0.36	0.38	0.37	0.56	0.64	0.61

Table 0-2: The number of Owned Household Equipment, TSES 2016 (2024)

Household equipment's	Weighted									Unweighted								
	Urban			Rural			Regional			Urban			Rural			Regional		
	Median	IQR	Number	Median	IQR	Number	Median	IQR	Number	Median	IQR	Number	Median	IQR	Number	Median	IQR	Number
Furniture																		
Jerikan	2	2	390,246	2	1	641,059	2	2	1,031,305	2	2	8,069	2	1	14,426	2	1	22,495
Beds wood/metal	1	0	440,167	1	0	189,370	1	0	629,537	1	0	8,556	1	0	3,455	1	0	12,011
Chairs	3	2	246,449	2	2	67,907	3	2	314,356	3	2	4,781	2	1	1,324	3	2	6,105
Tables	1	0	154,544	1	0	27,198	1	0	181,742	1	0	2,725	1	0	449	1	0	3,174
Electric mitad	1	0	189,490	1	0	18,834	1	0	208,324	1	0	3,360	1	0	260	1	0	3,620
Gas medija	1	0	36,449	1	0	992	1	0	37,441	1	0	699	1	0	11	1	0	710
Oven	1	0	14,078	1	0	21,397	1	0	35,475	1	0	317	1	0	446	1	0	763
Sofa set	4	4	101,280	3	4	3,630	4	4	104,910	3	4	1,787	3.5	4.5	36	3	4	1,823
Cupboard	1	0	140,590	1	0	13,396	1	0	153,985	1	0	2,535	1	0	239	1	0	2,774
Charcoal stove	1	0	92,716	1	0	49,762	1	0	142,479	1	0	1,656	1	0	977	1	0	2,633
Kerosene stove	1	0	325	1	0	705	1	0	1,030	1	0	5	1	0	17	1	0	22
Improved /fuel stove	1	0	9,544	1	0	496	1	0	10,040	1	0	112	1	0	11	1	0	123
Kettle/tea pot	1	0	262,369	1	0	217,826	1	0	480,195	1	0	4,981	1	0	5,053	1	0	10,034
Clay pot	1	0	7,370	1	1	89,861	1	1	97,231	1	0	163	1	1	2,122	1	1	2,285
Clay baker	1	0	100,038	1	0	452,384	1	0	552,422	1	0	2,042	1	0	10,709	1	0	12,751
Electronics																		

Household equipment's	Weighted									Unweighted								
	Urban			Rural			Regional			Urban			Rural			Regional		
	Median	IQR	Number	Median	IQR	Number	Median	IQR	Number	Median	IQR	Number	Median	IQR	Number	Median	IQR	Number
Mobile phone	1	1	341,397	1	0	236,172	1	1	577,569	1	1	6,915	1	0	4,943	1	1	11,858
Radio	1	0	20,479	1	0	50,618	1	0	71,097	1	0	420	1	0	1,209	1	0	1,629
Tape	1	0	18,398	1	0	2,318	1	0	20,716	1	0	307	1	0	56	1	0	363
Television	1	0	328,202	1	0	31,200	1	0	359,402	1	0	6,153	1	0	416	1	0	6,569
Refrigerator	1	0	121,244	1	0	4,764	1	0	126,008	1	0	2,164	1	0	71	1	0	2,235
Computer	1	0	1,749				1	0	1,749	1	0	38			-	1	0	38
Labtop	1	0	9,217	1	0	18	1	0	9,236	1	0	143	1	0	1	1	0	144
Washing machine	1	0	7,784	1	0	2,196	1	0	9,980	1	0	123	1	0	48	1	0	171
Personal Items																		
Gold	3	4	27,150	2	4	10,477	3	4	37,627	3	3	428	2	4	170	3	3	598
Silver	4	4	13,993	2	5	7,191	3	5	21,184	4	4	213	2	5	132	3	5	345
Watch	1	0	6,918	1	0	5,355	1	0	12,273	1	0	125	1	0	125	1	0	250
Other asset																		
Barrel (bermil)	1	1	227,801	1	0	122,975	1	1	350,777	1	1	4,297	1	0	2,679	1	1	6,976
Bicycle	1	0	4,984	1	0	1,387	1	0	6,370	1	0	83	1	0	19	1	0	102
Motor vehicle	1	0	4,166	1	0	1,503	1	0	5,670	1	0	66	1	0	20	1	0	86
Thermo flask	1	0	62,877	1	0	3,322	1	0	66,199	1	0	1,093	1	0	68	1	0	1,161
Fanus/masho	1	0	2,125	1	0	3,056	1	0	5,181	1	0	66	1	0	115	1	0	181

Table 0-3: The Value of Owned Household Equipment, TSES 2016 (2024)

Household equipment's	Urban			Rural			Regional		
	Mean	SD	Number	Mean	SD	Number	Mean	SD	Number
Furniture									
Jerikan	91.0	63.5	390,246	110.5	70.3	641,059	101.8	68.0	1,031,305
Beds wooden/metal	6,208.2	4,832.1	440,167	4,329.2	3,712.8	189,370	5,693.1	4,629.1	629,537
chairs	109.3	95.5	246,449	112.3	100.1	67,907	109.9	96.5	314,356
Tables	1,651.3	12,260.4	154,544	1,097.5	888.5	27,198	1,570.2	11,332.8	181,742
Sofa set	11,454.1	17,041.7	101,280	12,016.6	18,526.6	3,630	11,473.6	17,090.4	104,910
Cupboard	11,551.8	8,182.6	140,590	7,904.6	7,696.2	13,396	11,236.2	8,204.7	153,985
Electric mitad	3,660.9	1,714.8	189,490	3,665.5	1,727.5	18,834	3,661.3	1,715.7	208,324
Gas medija	1,047.2	509.5	36,449	913.6	602.2	992	1,043.7	512.1	37,441
Oven	445.7	291.2	14,078	196.7	154.7	21,397	295.5	250.7	35,475
Charcoal stove	227.4	113.7	92,716	249.6	140.4	49,762	235.0	124.0	142,479
Kerosene stove	199.4	98.1	325	219.4	132.6	705	212.3	119.3	1,030
Improved /fuel stove	1,490.4	763.3	9,544	1,989.8	1,684.4	496	1,515.0	832.5	10,040
Kettle/tea pot	242.0	119.7	262,369	248.0	127.8	217,826	244.5	123.2	480,195
Clay pot	268.7	234.5	7,370	244.7	237.5	89,861	246.6	237.3	97,231
Clay baker	195.9	138.0	100,038	216.7	103.0	452,384	211.5	113.2	552,422
Electronics									
Mobile phone	2,332.4	2,834.0	341,397	1,869.5	2,118.9	236,172	2,164.8	2,607.3	577,569
Radio	1,092.4	615.0	20,479	814.6	509.9	50,618	907.9	562.7	71,097
Tape	3,569.0	2,005.2	18,398	2,716.7	1,932.8	2,318	3,473.6	2,012.6	20,716
Television	10,464.1	6,760.0	328,202	8,826.6	4,914.8	31,200	10,322.3	6,636.2	359,402

Household equipment's	Urban			Rural			Regional		
	Mean	SD	Number	Mean	SD	Number	Mean	SD	Number
Refrigerator	20,722.0	11,313.8	121,244	19,200.8	13,127.4	4,764	20,664.5	11,388.2	126,008
Computer	17,771.1	12,242.5	1,749	.	.		17,771.1	12,200.7	1,749
Laptop	24,100.3	12,690.3	9,217	25,000.0	-	18	24,102.0	12,670.7	9,236
Washing machine	29,128.4	15,990.0	7,784	7,749.0	980.1	2,196	24,424.0	16,670.1	9,980
Personal Items									
Gold	12,423.9	17,560.8	27,150	8,279.8	13,957.4	10,477	11,270.0	16,728.4	37,627
Silver	1,322.8	1,370.5	13,993	1,474.3	1,649.9	7,191	1,374.2	1,471.0	21,184
Watch	619.2	390.9	6,918	375.8	264.5	5,355	513.6	361.8	12,273
Other Assets									
Bicycle	10,681.6	7,201.6	4,984	7,243.8	6,143.2	1,387	9,933.2	7,101.3	6,370
Motor vehicle	87,584.3	88,466.6	4,166	117,031.0	73,537.0	1,503	95,392.4	85,382.3	5,670
Barrel	1,016.3	703.1	227,801	1,025.1	788.6	122,975	1,019.2	732.6	350,777
Fanus/masho	390.5	225.7	2,125	506.8	194.3	3,056	459.1	214.3	5,181
Thermo flask	652.9	383.0	62,877	494.5	352.8	3,322	645.1	382.9	66,199

12.2 Agricultural Equipment's

12.2.1 Farm Implements

This survey reveals that rural households that own traditional farming tools such as traditional ploughing set (Mesarie), sickles, and mahresha were each owned around 40%. Other farm equipment each owned around 20% was hoe, axe and spade. Specifically, plowing set was the most owned agricultural equipment which was 41.4% and sickle (39.7%) and mahresha (39%) was the second and third most owned ones. About 0.4% of rural households had modern beehives and traditional beehives were owned in about 1.5 percent of households (**Table 12.4**).

12.2.1 Value of Farm Implements

The mean and standard deviation of value for plowing set and sickle was 1528.4 (1217) and 108.7 (111) birr in rural residents. The average value of Mahresha owned by households was 711 birr. The average value of Traditional Beehive and Modern Beehive owned by households were also 447.9 and 2934.4 birr. The value of tridal pump (Stina) in Tigray was 2854.1 (2253.2) birr (**Table 12.6**). Averagely in Tigray under the interim administration had two traditional and modern beehives each with two interquartile ranges (IQR) but most of household had one equipment in household's respondent who says yes (**Table 12.5**).

12.3 Other Asset

About 2.1% and 1.5% of Stone grain mills and chemical sprayer respectively were more owned in rural areas than urban. Generator (0.2%) and cart (0.1%) were also rarely owned types of other equipment in all residents (**Table 12.4**).

The average value of chemical sprayer owned by the household was 2106.8 birr with standard deviation of 1152.6 birr. Generator owned by the households was found a mean of 35,290.9 birr with SD of 20,233.7 birr. The average cost of cart were 44,680.8 birr (**Table 12.6**).

Table 0-4: Proportion of Owned Agricultural Equipment, TSES 2016(2024)

Agricultural equipment's	Weighted			Unweighted		
	Urban (n=598,471)	Rural (n=803,447)	Total (n=1,401,918)	urban (n=11,690)	Rural (17,971)	Total (29,661)
Farm implements						
Plowing Set (Mesarei)	2.62	41.43	24.86	2.47	43.26	27.19
Mahresha	2.18	38.97	23.26	2.33	39.87	25.07
Hoe and Af kutu	2.68	20.23	12.74	2.27	21.43	13.88
Spade (badela)	2.87	19.49	12.40	2.23	20.24	13.14
Sickle (Meatsid)	2.54	39.73	23.85	2.52	40.87	25.76
Hammer and pick ax	0.72	4.81	3.07	0.54	4.52	2.95
Axe and Fas (misar)	1.51	20.84	12.59	1.29	21.73	13.67
Saw and Pruning	0.60	1.33	1.02	0.38	1.51	1.07
Arebia	0.10	0.08	0.09	0.09	0.09	0.09
Cart (Gari)	0.11	0.16	0.14	0.06	0.11	0.09
Tridal Pump (Stina)	0.03	0.16	0.10	0.02	0.16	0.10
Drip irrigation		0.06	0.04		0.05	0.03
Traditional Beehive	0.08	1.47	0.88	0.08	1.71	1.07
Modern Beehive	0.01	0.42	0.25	0.02	0.51	0.31
Other assets						
Generator	0.13	0.29	0.22	0.09	0.23	0.18
Chemical Sprayer	0.12	1.53	0.92	0.08	1.59	0.99
Mechanical Water Pump		0.00	0.00		0.01	0.00
Motorized Water Pump		0.09	0.05		0.09	0.05
Stone grain mill	0.12	2.07	1.24	0.12	2.38	1.49
Motorized grain mill	0.00	0.01	0.01	0.01	0.02	0.01
Small Tractor	0.00		0.00	0.01		0.00

Table 0-5: Number of Owned Agricultural Equipment, TSES 2016(2024)

Agricultural Equipment	Weighted									Unweighted								
	Urban			Rural			Regional			Urban			Rural			Regional		
	Median	IQR	Number	Median	IQR	Number	Median	IQR	Number	Median	IQR	Number	Median	IQR	Number	Median	IQR	Number
Farm Implements																		
Plowing Set	1	0	15,654	1	0	332,904	1	0	348,558	1	2	289	1	0	7,775	1	0	8,064
Mahresha	1	1	13,037	1	0	313,100	1	0	326,138	1	0	272	1	0	7,165	1	0	7,437
Hoe and Af kutu	1	1	16,034	1	0	162,575	1	0	178,610	1	1	265	1	0	3,852	1	0	4,117
Spade	1	0	17,203	1	0	156,584	1	0	173,787	1	0	261	1	0	3,637	1	0	3,898
Sickle	2	2	15,205	2	1	319,182	2	1	334,387	2	2	295	2	1	7,344	2	1	7,639
Hammer and pick ax	2	1	4,324	1	0	38,674	1	0	42,998	1	1	63	1	0	812	1	0	875
Axe and Fas	1	0	9,060	1	0	167,414	1	0	176,474	1	0	151	1	0	3,905	1	0	4,056
Saw and Pruning	1	0	3,566	1	0	10,687	1	0	14,254	1	0	45	1	0	271	1	0	316
Arebia	1	0	606	1	0	645	1	0	1,250	1	0	10	1	0	17	1	0	27
Cart	1	0	672	1	0	1,305	1	0	1,976	1	0	7	1	0	19	1	0	26
Tridal Pump (Stina)	1	0	176	1	0	1,268	1	0	1,444	1	0	2	1	0	28	1	0	30
Drip irrigation				1	0	496	1	0	496			0	1	0	9	1	0	9
Traditional Beehive	4	2	699	2	2	13,158	2	2	13,227	3	2	9	2	2	307	2	2	316

Agricultural Equipment	Weighted									Unweighted								
	Urban			Rural			Regional			Urban			Rural			Regional		
	Median	IQR	Number	Median	IQR	Number	Median	IQR	Number	Median	IQR	Number	Median	IQR	Number	Median	IQR	Number
Modern Beehive	1	0	47	2	1	3,399	2	1	3,446	1	0	2	2	2	91	2	2	93
Other Assets																		
Generater	1	0	750	1	0	2,306	1	0	3,057	1	0	11	1	0	41	1	0	52
Chemical Sprayer	1	0	699	1	0	12,265	1	0	12,964	1	0	9	1	0	286	1	0	295
Mechanical Water Pump				1	0	24	1	0	24			0	1	0	1	1	0	1
Motorized Water Pump				1	0	724	1	0	724			0	1	0	16	1	0	16
Stone grain mill	1	0	721	1	0	16,642	1	0	17,363	1	0	14	1	0	428	1	0	442
Motorized grain mill	1	0	4	1	0	100	1	0	103	1	0	1	1	0	3	1	0	4
Small Tractor	1	0	4				1	0	4	1	0	1			-	1	0	1

Table 0-6: Value of Owned Agricultural Equipment, TSES 2016(2024)

Agricultural Equipment's	Urban			Rural			Regional		
	Mean	SD	Number	Mean	SD	Number	Mean	SD	Number
Farm Implements									
Plowing Set	2,388.2	1,744.2	15,654	1,528.4	1,217.0	332,904	1,567.0	1,257.9	348,558
Mahresha	672.8	409.8	13,037	712.6	390.1	313,100	711.0	390.9	326,138
Hoe and Af kutu	234.5	145.1	16,034	243.7	162.5	162,575	242.9	161.0	178,610
Spade	297.3	203.9	17,203	277.1	154.3	156,584	279.1	160.0	173,787
Sickle	151.4	142.5	15,205	108.7	111.0	319,182	110.7	113.0	334,387
Hammer and pick ax	464.5	439.6	4,324	482.5	437.0	38,674	480.7	437.0	42,998
Axe and Fas	375.9	237.0	9,060	271.4	199.8	167,414	276.8	203.2	176,474
Saw and Pruning	449.3	219.1	3,566	436.0	251.9	10,687	439.4	243.8	14,254
Arebia	1,648.6	1,057.3	606	2,152.0	1,308.3	645	1,908.3	1,195.3	1,250
Cart	17,763.6	12,773.6	672	57,932.9	28,112.1	1,305	44,281.8	30,675.9	1,976
Tridal Pump	2,877.1	516.3	176	2,850.9	2,398.2	1,268	2,854.1	2,253.2	1,444
Drip irrigation	.	.		321.2	395.9	496	321.2	399.4	496
Traditional Beehive	1,587.2	1,566.2	699	400.6	671.7	13,158	447.9	756.9	13,227
Modern Beehive	2,077.3	.	47	2,946.2	5,567.3	3,399	2,934.4	5,536.4	3,446
Other Assets									
Generator	30,244.1	17,858.4	750	37,582.3	20,930.9	2,306	35,780.9	20,317.3	3,057
Chemical Sprayer	2,118.4	1,621.4	699	2,016.0	1,190.5	12,265	2,021.5	1,212.9	12,964
Mechanical Water Pump	.	.		1,500.0	-	24	1,500.0	-	24
Motorized Water Pump	.	.		39,851.4	10,953.7	724	39,851.4	11,017.3	724
Stone grain mill	328.5	222.8	721	329.0	288.1	16,642	329.0	285.4	17,363

11.3 Tables for value of unweight household and agricultural equipment's

Table 11.3a: The value of owned household equipment's, TSES, 2024 G.C

Household equipment's	Urban			Rural			Regional		
	Mean	SD	Number	Mean	SD	Number	Mean	SD	Number
Furniture									
Jerikan	97.9	63.8	8,069	116.2	71.8	14,426	109.6	69.6	22,495
Beds wooden/metal	6,509.2	4,882.1	8,556	4,288.1	3,738.8	3,455	5,870.3	4,691.4	12,011
chairs	114.4	98.4	4,781	114.5	104.0	1,324	114.4	99.6	6,105
Tables	1,326.2	6,912.4	2,728	1,064.7	858.6	450	1,289.2	6,412.9	3,178
Sofa set	11,735.3	17,338.2	1,787	10,722.4	17,002.1	36	11,715.3	17,327.6	1,823
Cupboard	12,284.3	8,225.0	2,535	6,554.5	7,429.8	239	11,790.7	8,315.3	2,774
Electric mitad	3,685.0	1,704.7	3,714	4,065.7	1,869.9	269	3,710.7	1,718.8	3,983
Gas medija	1,078.2	488.4	699	870.5	631.5	11	1,075.0	491.0	710
Oven	437.6	299.9	317	213.7	152.6	446	306.7	251.1	763
Charcoal stove	244.6	122.4	1,656	277.1	141.2	977	256.7	130.6	2,633
Kerosene stove	180.0	90.8	5	217.4	122.6	17	208.9	115.2	22
Improved /fuel stove	1,475.9	964.7	112	1,397.7	1,461.4	11	1,468.9	1,011.1	123
Kettle/tea pot	249.0	127.0	4,981	255.7	126.4	5,053	252.3	126.7	10,034
Clay pot	265.2	234.1	163	256.6	244.2	2,122	257.2	243.5	2,285
Clay baker	240.5	133.6	2,042	220.9	101.2	10,709	224.0	107.3	12,751
Electronics									
Mobile phone	2,551.2	2,982.3	6,915	1,829.7	2,071.6	4,943	2,250.5	2,664.9	11,858
Radio	1,020.8	627.0	420	852.9	518.3	1,209	896.2	553.1	1,629
Tape	3,546.7	1,960.4	307	2,490.1	1,937.7	56	3,383.7	1,991.3	363
Television	10,312.5	6,436.3	6,153	9,185.1	5,113.9	416	10,241.1	6,366.3	6,569
Refrigerator	20,280.9	11,188.0	2,164	18,138.5	12,048.1	71	20,212.9	11,219.7	2,235
Computer	18,936.8	12,179.9	38	.	.	-	18,936.8	12,179.9	38
Labtop	24,151.4	12,039.8	143	25,000.0	.	1	24,157.3	11,997.8	144
Washing machine	28,615.4	17,506.1	123	7,750.0	978.5	48	22,758.4	17,567.5	171
Personal Items									
Gold	11,042.4	16,452.5	428	8,295.4	13,341.0	170	10,261.5	15,669.3	598
Silver	1,303.6	1,484.4	213	1,499.7	1,694.8	132	1,378.6	1,568.7	345
Watch	537.4	350.0	125	395.6	280.5	125	466.5	324.4	250
Other Assets									
Bicycle	11,797.0	7,301.3	83	8,421.1	6,600.2	19	11,168.1	7,265.6	102

Household equipment's	Urban			Rural			Regional		
	Mean	SD	Number	Mean	SD	Number	Mean	SD	Number
Motor vehicle	88,652.7	78,146.6	66	91,325.1	75,240.3	20	89,274.2	77,049.9	86
Barrel	1,035.5	728.7	4,297	1,004.3	766.2	2,679	1,023.6	743.4	6,976
Fanus/masho	345.2	162.3	66	450.1	181.8	115	411.9	181.7	181
Thermo flask	633.5	362.5	1,093	515.3	377.4	68	626.6	364.3	1,161

Table 11.6a: Value of owned agricultural equipment's, TSES, 2024 G.C

Agricultural Equipment's	Urban			Rural			Regional		
	Mean	SD	Number	Mean	SD	Number	Mean	SD	Number
Farm Implements									
Plowing Set	2,122.8	1,757.6	289	1,485.5	1,213.5	7,775	1,508.3	1,242.7	8,064
Mahresha	728.2	392.2	272	725.7	379.4	7,165	725.8	379.8	7,437
Hoe and Af kutu	267.0	160.6	265	252.5	165.7	3,852	253.4	165.4	4,117
Spade	326.8	187.1	261	284.9	161.6	3,637	287.7	163.8	3,898
Sickle	157.7	153.6	295	109.2	108.2	7,344	111.0	110.7	7,639
Hammer and pick ax	510.3	460.3	63	484.4	422.8	812	486.3	425.4	875
Axe and Fas	358.6	204.7	151	279.6	204.8	3,905	282.5	205.4	4,056
Saw and Pruning	476.7	235.8	45	463.9	263.2	271	465.7	259.1	316
Arebia	1,682.5	1,236.5	10	2,100.0	1,444.0	17	1,945.4	1,361.8	27
Cart	21,071.4	14,990.1	7	53,379.0	29,971.0	19	44,680.8	30,236.6	26
Tridal Pump (Stina)	2,250.0	1,060.7	2	3,092.9	2,584.7	28	3,036.7	2,510.9	30
Drip irrigation	.	.	0	577.8	517.3	9	577.8	517.3	9
Traditional Beehive	910.7	1,274.4	9	414.2	699.5	303	428.5	723.8	312
Modern Beehive	2,500.0	707.1	2	3,121.3	5,996.2	91	3,107.9	5,931.8	93
Other Assets									
Generater	34,090.9	20,466.8	11	35,612.8	20,414.8	41	35,290.9	20,233.7	52
Chemical Sprayer	2,022.2	1,366.4	9	2,109.4	1,147.9	286	2,106.7	1,152.6	295
Mechanical Water Pump	.	.	0	1,500.0	.	1	1,500.0	.	1

Agricultural Equipment's	Urban			Rural			Regional		
	Mean	SD	Number	Mean	SD	Number	Mean	SD	Number
Motorized Water Pump	.	.	0	40,312.5	11,688.9	16	40,312.5	11,688.9	16
Stone grain mill	340.7	256.0	14	323.0	269.9	428	323.5	269.2	442

CHAPTER THIRTEEN

ACCESS TO INFRASTRUCTURE

13.1Road access

Table 0-1 Road access to the nearest town

Woreda	How do you access the nearest town to the village?			
	Via all-weather	Via dry weather	No road access	Total
Tsimbila	7,234.76	872.039	10,511.1	18,617.9
Endabguna	12,029.3	290.089	24.6	12,344
Asgede	14,804.4	2,415.64	5,579.91	22,800
Tahtay Adyabo	17,223.1	7,839.92	3,918.96	28,982
Sheraro	6,746.09	61.207	3,246.37	10,053.7
Maekel Adyabo	10,796	403.782	2,479.99	13,679.8
Seymti Adyabo	5,191.46	3,961.72	2,570.16	11,723.3
Aidaero	31,105.4	10,543.2	583.429	42,232
tahtay Koraro	11,711.8	5,387.96	8,262.96	25,362.7
Shire Endaselassie	38,731.6	44.4842		38,776.1
Zana	6,814.56	6,096.93	7,157.84	20,069.3
Laelay koraro	19,045.8	6,883.29	1,862.93	27,792
Chila	7,890.81	3,482.32	2,667.88	14,041
Tahtay maichew	18,434.4	112.963	8,797.06	27,344.4
Adet	7,276.17	574.762	12,479.5	20,330.4
Laelay Maichew	12,769.7	143.525	3,337.44	16,250.7
Axum town	22,199.1	1,505.37	148.915	23,853.4
Neader	8,771.42	2,605.53	4,255.63	15,632.6
Kola temben	10,958	3,995.81	8,797.67	23,751.5
Abegele	13,118.9	7,057.06	2,946.12	23,122.1
Tanqua milash	5,355.44	2,344.22	3,285.23	10,984.9
Abiadi	10,600.5		37.8518	10,638.3
Keyih tekli	7,287.24	3,734.35	5,499.91	16,521.5
Mai kinetal	8,582.49	2,507.62	2,376.86	13,467

Woreda	How do you access the nearest town to the village?			
	Via all-weather	Via dry weather	No road access	Total
Endabatsehama	14,235.7	2,772.14	6,881.93	23,889.8
Embasineyti	9,554.84	595.884	7,200.85	17,351.6
Hahayle	5,636.89	7,442.2	7,915.91	20,995
Wereda Adwa	15,622.9	6,222.22	2,768.05	24,613.1
Adwa town	27,330.4	116.279	35.8333	27,482.5
Rama	12,036.6	206.72	2,812.21	15,055.5
Ahsea		2,264.58	9,030.8	11,295.4
Egela	9,601.62	1,894.77	53.3512	11,549.7
Ahferom	8,025.86	3,450.51	4,798.37	16,274.7
Enticho town	5,112.8	247.244	277.956	5,638
Bizet	3,819.17	399.957	3,213.14	7,432.26
Gulomekeda	7,443.16	2,068.51	4,071.11	13,582.8
Erob	3,764.86	4,951.89	117.333	8,834.08
Subha sasei	6,295.36	2,257.47	3,697.46	12,250.3
Edaga hamus	8,153.15			8,153.15
Ganta afeshum	19,646.7	1,562.25	3,793.75	25,002.7
Adigrat	37,170.9		800.48	37,971.4
Wereda Hawzen	10,829.8	8,945.71	543.593	20,319.1
Hawzen	11,910.1	14.4326	1,077.48	13,002
Tsaeda Emab	11,486.3	5,483.08	306.365	17,275.8
Freweini town	4,109.97		1,373.19	5,483.16
Atsbi	7,557.05	690.139	4,074.35	12,321.5
Atsbi town	6,610.26		17.0455	6,627.3
Tsirae wemberta	20,697.4	4,384.48	2,007.56	27,089.5
Wukro	16,224.7	1,794.19	165.555	18,184.4
Kilte Awlaelo	6,017.9	3,075.6	9,479.09	18,572.6
Gerealta	2,499.11	2,297.09	5,414.32	10,210.5
Degua temben	6,325.6	2,370.83	4,760.56	13,457
Hagereselam	3,002.12	6.44698	80.9386	3,089.51
Enderta	24,590.1	13,903.2	8,361.46	46,854.8
Seharti	20,824	2,843.64	370.579	24,038.2
Samre	1,659.55	8,251.02	7,536.86	17,447.4

Woreda	How do you access the nearest town to the village?			
	Via all-weather	Via dry weather	No road access	Total
Hintalo	14,874.4	4,482.02	7,272.82	26,629.3
Adigudem	5,713.92	14.8376	93.4957	5,822.25
Wajirat	6,525.79	51.7929	4,906.79	11,484.4
Ayder	26,204.8			26,204.8
Semen	28,010.6		134.389	28,144.9
Quiha	11,070.6		2,991.75	14,062.4
Kedamay Weyane	10,370.8		11.6328	10,382.5
Hawelti	31,960.2			31,960.2
Adi Haki	24,847.8		19.7222	24,867.5
Hadnet	42,360.9	435.761	559.375	43,356
Emba Alaje	10,157.6	1,549.44	2,994.09	14,701.1
Selewa	4,511.61	466.399	4,388.26	9,366.27
Bora	1,797.14	14.2857	4,817.14	6,628.57
Neqsege	867.804	228.1	6,808.06	7,903.97
Enda mekoni	12,367.3	2,804.33	2,618.28	17,789.9
Maichew	12,015.8		580.178	12,596
Mekoni town	45,544.1		620.394	46,164.4
Raya Azebo	15,346.7	7,957.58	909.091	24,213.3
Raya Chercher	7,573.82	1,945.13	405.491	9,924.44
Total	**974,595**	**183,326**	**243,997**	**1,401,918**

Table 13 2Type of road to the nearest town

Woreda	What is the road to the nearest town made off?				
	Asphalt/Tarmac/concrete	Stones	Gravel road/Grind	Dirt track	Total
Tsimbila	6,742.63	4,666.79	307.077	6,400.97	18,117.5
Endabguna	10,245.4	66.6667	155.511	1,876.44	12,344
Asgede	8,760	186.489	107.556	12,688.4	21,742.4
Tahtay Adyabo	57.2738	925.114	4,709.34	23,239.7	28,931.4
Sheraro	5,227.39	31.135	14.1035	4,781.03	10,053.7
Maekel Adyabo	9,790.83	1,330.96	1,224.42	1,333.55	13,679.8
Seymti Adyabo	3,186.74	2,584.56	1,340.17	4,191.83	11,303.3
Aidaero	24,405.7	5,782.21	4,617.72	7,426.34	42,232
tahtay Koraro	7,338	1,895.89	916.008	11,740.4	21,890.3
Shire Endaselassie	38,073.4	44.4842	613.719	44.4842	38,776.1
Zana	1,510.17	5,419.86	9,973.94	3,120.29	20,024.3
Laelay koraro	6,765.59	4,152.53	12,729.9	4,144	27,792
Chila	43.1283	48.6965	2,636.9	11,312.3	14,041
Tahtay maichew	12,134.7	4,007.14	61.7284	11,140.9	27,344.4
Adet	48.6398	11,026.9	2,289.48	6,887.97	20,253
Laelay Maichew	1,716.68	72.875	9,759.72	4,649.85	16,199.1
Axum town	19,317.9	269.284	4,041.79	215.247	23,844.3
Neader		3,642.6	2,201.91	7,164.55	13,009.1
Kola temben	7,756.71	7,809.84	3,996.86	3,557.39	23,120.8
Abegele		1,544.31	2,814.74	18,047.7	22,406.7
Tanqua milash	3,615.26	1,814.94	150.821	5,403.87	10,984.9
Abiadi	10,460.7		90.4444	49.3333	10,600.5

Woreda	What is the road to the nearest town made off?				
	Asphalt/Tarmac/concrete	Stones	Gravel road/Grind	Dirt track	Total
Keyih tekli	3,471.36	48.1461	2,172.02	6,583.32	12,274.8
Mai kinetal	8,463.24	216.765	284.195	4,263.18	13,227.4
Endabatsehama	4,212.84	6,291.59	6,583.7	6,801.67	23,889.8
Embasineyti	1,729.27	6,250.03		8,556.86	16,536.2
Hahayle	51.4444	11,446.5	3,868.89	5,628.2	20,995
Wereda Adwa	11,860.8	30.8191		12,654.8	24,546.5
Adwa town	24,024.4	152.89	3,260.5	44.6667	27,482.5
Rama	2,872.75	2,833.85	85.8814	8,532.22	14,324.7
Ahsea		3,128.9	416.117	5,580.86	9,125.87
Egela		15.3984	4,597.79	6,905.31	11,518.5
Ahferom	4,699.86	3,175.1	2,553.76	5,192.29	15,621
Enticho town	1,375.24	547.6	1,822.09	1,853.73	5,598.67
Bizet	3,697.05	37.1796	37.3352	1,490.33	5,261.89
Gulomekeda	2,026.23	2,070.38	3,836.07	5,634.95	13,567.6
Erob			599.989	8,234.09	8,834.08
Subha sasei		2,073.68	1,148.43	8,976.78	12,198.9
Edaga hamus	8,033.12	59.7818	60.254		8,153.15
Ganta afeshum	12,649.9	425.009	6,246.39	5,681.36	25,002.7
Adigrat	30,483.9	178.018	1,176.91	5,427.27	37,266.1
Wereda Hawzen	3,513.04	488.405	33.265	16,284.4	20,319.1
Hawzen	1,059.9	5,045.12	2,969.37	3,927.62	13,002
Tsaeda Emab	9,103.12	1,427.72	1,376.11	5,297.13	17,204.1
Freweini town	5,424.46		37.5037	8.70087	5,470.66
Atsbi		859.332	1,545.88	8,661.22	11,066.4

Woreda	What is the road to the nearest town made off?				
	Asphalt/Tarmac/concrete	Stones	Gravel road/Grind	Dirt track	Total
Atsbi town	147.32		2,859.58	3,620.4	6,627.3
Tsirae wemberta	13,518.3	1,233.5	5,893.09	5,771.51	26,416.4
Wukro	13,728.3	47.4832	1,649.16	2,719.19	18,144.1
Kilte Awlaelo	4,133.57	89.9201		14,349.1	18,572.6
Gerealta		3,026.57	1,165.69	5,705.1	9,897.36
Degua temben	3,054.49	3,827.35	2,729.64	3,845.52	13,457
Hagereselam	2,996.03	40.1721	14.5064	38.8041	3,089.51
Enderta	16,490.2	427.109	12,676	15,853.4	45,446.8
Seharti	39.995	3,253.72	6,453.57	14,291	24,038.2
Samre		4,694.64	131.979	10,935.4	15,762
Hintalo	8,027.81	6,216.78	2,763.56	6,418.68	23,426.8
Adigudem	4,135.51		51.0403	1,557.36	5,743.91
Wajirat	5,372.27	147.21	1,091.9	4,685.41	11,296.8
Ayder	22,641.8	200.533	66.4889	3,296	26,204.8
Semen	27,863.5	41.8571	44.7964	60.3685	28,010.6
Quiha	9,674.56	27.7333	808.747	3,551.36	14,062.4
Kedamay Weyane	9,632.39	738.463		11.6328	10,382.5
Hawelti	28,880.4			3,079.79	31,960.2
Adi Haki	23,673.6		115.444	1,078.44	24,867.5
Hadnet	40,941.1	868.941	434.471	1,111.47	43,356
Emba Alaje	7,715.85	87.0309	1,362.18	5,536.08	14,701.1
Selewa		2,212.54	1,248.04	3,988.23	7,448.81
Bora	14.4127	1,331.68	2,265.59	2,775.62	6,387.3
Neqsege		282.41	96.8628	4,770.43	5,149.7

Woreda	What is the road to the nearest town made off?				
	Asphalt/Tarmac/concrete	Stones	Gravel road/Grind	Dirt track	Total
Enda mekoni	4,034.6	3,235.83	9,469.06	1,050.38	17,789.9
Maichew	2,719.47	4,404.93	4,026.22	1,445.38	12,596
Mekoni town	3,711.65		15,509.8	26,943	46,164.4
Raya Azebo	12,246.4		4,966.04	6,950.37	24,162.8
Raya Chercher	81.7072		5,581.64	4,261.09	9,924.44
Total	**581,424**	**140,562**	**192,941**	**451,338**	**1,366,266**

The weighted analysis of the road access and types of roads to the nearest town across various Woredas reveals important insights into infrastructure distribution and accessibility in the region.

For road access to the nearest town, the analysis shows that the majority of Woredas have access via dry weather roads (183,326) and all-weather roads (974,595), indicating a significant reliance on dry weather roads, which are typically less reliable during adverse weather conditions. The total number of Woredas with "No Road Access" is relatively small (243,997), but still noteworthy, as it points to some areas with limited or no road infrastructure. These regions might face considerable challenges in terms of mobility and accessing essential services.

In terms of road material composition, the majority of Woredas have access via gravel roads (192,941), dirt tracks (451,338), or stones (140,562). This indicates that many regions still depend on roads that may not offer optimal conditions for all-year-round travel. Asphalt, tarmac, or concrete roads, which represent the highest quality and most durable road types, are less common, appearing in a smaller proportion across the regions, with a total of 581,424.

This weighted analysis highlights significant disparities in infrastructure quality and access, suggesting that while some regions have relatively better road access and materials, others remain underdeveloped, lacking reliable roads or all-weather infrastructure, which could limit economic development and access to services. There is a clear need for targeted infrastructure

improvements in the regions with dry weather roads or no road access to ensure equitable development and enhanced mobility across all Woredas.

13.2 House Hold Savings

The data, derived from a weighted analysis, highlights the saving behavior of household members in informal and formal institutions across urban and rural areas. For informal savings, 1.5% of urban household members participate compared to 0.57% in rural areas. When aggregated, only 1.01% of all household members save informally, while 98.99% do not, demonstrating a minimal reliance on informal savings channels.

Similarly, for formal savings, 2% of urban household members save in formal institutions compared to 0.92% in rural areas. Overall, only 1.41% of all household members save formally, with a significant 98.59% not engaging in such savings. These weighted results show that urban residents are marginally more likely to save, both formally and informally, than their rural counterparts. Nevertheless, the analysis underscores a clear trend: the majority of individuals, regardless of their residence, do not save through formal or informal institutions.

Table 0-2 Household savings in informal institutions

Saving informally	Place of residence		
	Urban (1,755,419)	**Rural (2,011,072)**	**Total (3,766,492)**
Yes	1.5	0.57	1.01
No	98.5	99.43	98.99
Total	100	100	100

Table 0-3 household Savings in formal institutions

Saving formally	Place of residence		
	Urban (1,755,419)	Rural (2,011,072)	Total (3,766,492)
Yes	2	0.92	1.41
No	98	99.08	98.59
Total	100	100	100

14.1Annex

List of tables – Unweight

Table 4.1a: Health problem consultation in the past four weeks to health facility or traditional healer, TSES, 2024 G.C

Socio-demographic characteristics	Health problem consultation by Sex and Age category										Health problem consultation by age					
	Male					Female										
	0-4	5-17	18-59	≥60	Total	0-4	5-17	18-59	≥60	Total	0-4	5-17	18-59	≥60	Total	Number
Regional	12.65	6.76	12.68	24.70	11.76	11.24	6.07	17.51	23.63	13.86	11.97	6.43	15.26	24.16	12.83	126,471
Residence																
Urban	14.27	7.44	12.14	29.83	12.14	12.74	7.32	19.21	30.13	16.30	13.53	7.38	16.13	30.01	14.38	43,767
Rural	11.68	6.49	12.97	23.19	11.58	10.34	5.52	16.36	20.35	12.45	11.04	6.02	14.71	21.87	12.01	82,704
Zone																
North Western	15.44	9.29	15.89	28.39	14.78	14.43	8.49	19.95	29.50	16.71	14.95	8.90	18.01	28.93	15.75	19,857
Central	12.38	8.14	14.12	26.17	13.03	10.68	6.70	17.59	23.77	13.96	11.55	7.44	15.93	24.97	13.50	38,163
Eastern	12.56	5.82	11.29	22.45	10.71	11.32	4.98	17.86	22.27	13.70	11.98	5.42	14.91	22.36	12.25	27,238
South East	10.09	4.20	10.28	19.30	8.87	7.30	3.35	15.75	18.68	10.87	8.73	3.79	13.18	19.00	9.88	14,777
Mekelle	12.08	5.96	10.34	27.73	10.46	11.60	7.04	15.85	25.99	14.02	11.84	6.51	13.44	26.71	12.39	11,975
Southern	13.36	4.90	10.98	23.88	10.18	12.89	5.45	16.59	20.70	12.88	13.14	5.16	13.94	22.39	11.52	14,461
household heads literacy																
No education	0.00	0.00	16.26	22.75	18.94	0.00	20.00	22.30	24.16	23.19	0.00	20.00	18.45	23.36	20.61	15,853
Primary education	0.00	22.22	20.03	31.92	21.90	0.00	5.88	23.54	32.48	24.13	0.00	11.54	20.97	32.01	22.47	7,250
Secondary education	0.00	0.00	18.42	31.67	18.96	0.00	25.00	20.07	32.14	20.32	0.00	20.00	18.98	31.76	19.41	4,363

Socio-demographic characteristics	Health problem consultation by Sex and Age category										Health problem consultation by age					
	Male					Female										
	0-4	5-17	18-59	≥60	Total	0-4	5-17	18-59	≥60	Total	0-4	5-17	18-59	≥60	Total	Number
Tertiary education	0.00	0.00	20.24	38.46	21.26	0.00	0.00	22.30	42.86	23.04	0.00	0.00	20.80	39.29	21.73	2,195
Total	0.00	18.18	18.27	24.80	19.95	0.00	11.54	22.14	24.76	22.94	0.00	13.51	19.52	24.78	20.97	29,661
Wereda																
Asgede	25.93	24.26	36.80	53.62	33.05	20.00	21.03	46.20	52.63	35.38	23.18	22.65	41.23	53.17	34.17	1,603
Tahtay Adyabo	31.25	15.02	20.60	31.58	20.41	23.08	19.93	27.40	25.42	24.26	27.22	17.49	24.08	28.45	22.36	1,677
Abiadi	16.25	16.30	17.63	32.69	18.26	14.74	9.20	29.74	38.57	24.02	15.43	12.85	24.18	36.07	21.31	1,445
Embasineyti	27.12	19.17	20.97	33.78	22.41	19.39	11.83	24.74	24.14	19.84	23.61	15.41	22.89	28.57	21.11	1,682
Freweini town	24.04	11.86	18.89	33.33	18.00	25.24	8.95	25.76	30.95	21.41	24.64	10.42	23.18	31.82	19.92	1,235
Edaga hamus	13.64	8.82	21.83	68.18	17.16	15.69	6.11	30.71	38.00	22.08	14.53	7.49	27.06	47.22	19.81	1,464
Mekoni town	21.18	7.39	15.31	31.58	14.85	18.06	8.39	27.59	45.45	22.94	19.75	7.85	21.83	39.02	18.94	1,225
Mai kinetal	15.18	10.90	24.81	30.00	19.19	8.40	7.62	26.05	37.65	18.55	11.69	9.28	25.44	33.94	18.87	1,834
Kedamay Weyane	20.51	16.18	13.25	29.27	15.75	19.48	8.82	21.08	34.78	19.98	20.00	12.54	17.67	33.08	18.09	1,548
Enticho town	25.00	8.06	12.93	39.22	15.34	12.00	9.84	25.33	27.69	20.11	18.71	8.94	20.28	32.76	17.96	1,286
Raya Chercher	22.22	9.82	15.29	30.77	15.72	21.25	8.49	23.22	35.29	19.15	21.76	9.18	19.56	32.88	17.45	1,530
Maichew	25.00	8.67	11.70	28.57	13.86	18.29	13.17	23.45	23.29	20.25	21.91	10.97	18.14	25.41	17.26	1,495
Endabguna	18.75	12.74	13.28	25.00	14.58	15.87	8.86	21.11	37.93	19.15	17.32	10.79	17.85	32.98	17.12	1,186
Abegele	18.67	12.37	18.68	32.50	17.42	16.11	11.01	19.48	25.00	16.38	17.39	11.73	19.10	29.69	16.91	2,028
Axum town	11.11	6.80	13.60	40.63	13.77	14.46	8.77	20.21	43.18	18.99	12.80	7.83	17.28	42.11	16.61	1,595
tahtay Koraro	22.22	9.78	13.13	28.70	14.87	17.65	10.18	19.60	32.65	17.98	19.79	9.98	16.44	30.58	16.44	1,837
Tahtay maichew	13.27	10.70	13.55	28.00	13.89	20.62	7.17	19.76	36.11	17.47	16.92	9.00	16.73	31.97	15.68	1,665
Endabatsehama	11.29	7.17	19.78	40.54	15.77	12.39	8.50	20.26	20.63	15.58	11.81	7.80	20.05	31.39	15.67	1,812

Socio-demographic characteristics	Health problem consultation by Sex and Age category										Health problem consultation by age					
	Male					Female										
	0-4	5-17	18-59	≥60	Total	0-4	5-17	18-59	≥60	Total	0-4	5-17	18-59	≥60	Total	Number
Subha sasei	22.31	8.65	16.99	27.37	15.96	7.41	6.84	21.04	22.33	14.62	15.55	7.69	19.18	24.75	15.26	1,881
Laelay Maichew	8.89	8.04	17.19	30.40	15.38	11.11	3.97	20.60	22.55	14.84	10.05	6.13	18.82	26.87	15.12	1,799
Zana	22.11	8.05	19.69	24.74	16.94	19.23	4.53	14.22	25.61	12.98	20.81	6.35	16.83	25.14	14.98	1,676
Shire Endaselassie	12.96	6.32	13.92	39.53	12.62	11.61	8.73	18.87	39.19	16.80	12.27	7.54	16.83	39.32	14.95	1,820
Erob	10.64	7.20	10.40	33.33	11.66	22.78	4.86	23.34	24.66	17.74	16.18	6.04	17.57	29.05	14.82	1,552
Aidaero	11.11	8.62	17.16	30.14	14.49	12.12	3.42	19.50	35.71	15.09	11.64	6.29	18.38	32.87	14.79	1,758
Hadnet	21.35	6.25	10.40	38.00	12.27	18.10	8.45	16.76	36.25	16.68	19.59	7.36	13.85	36.92	14.65	1,734
Ahferom	10.89	8.29	14.44	31.67	14.01	13.21	9.09	17.95	18.05	14.69	12.08	8.68	16.21	24.51	14.35	2,090
Kola temben	12.98	8.54	17.52	29.55	15.06	6.78	5.64	18.58	22.86	13.14	10.04	7.09	18.07	26.58	14.10	1,922
Ganta afeshum	12.36	4.12	12.50	30.53	11.84	7.69	4.00	18.88	32.41	15.15	10.00	4.06	15.97	31.53	13.56	1,689
Ayder	13.39	6.25	12.72	34.55	12.50	10.09	6.28	17.29	27.42	14.25	11.76	6.26	15.30	30.77	13.45	1,703
Adigudem	17.78	7.19	12.20	35.00	13.42	9.01	8.61	14.39	28.57	13.27	13.82	7.98	13.43	31.07	13.34	1,492
Sheraro	14.74	7.59	9.22	15.00	9.77	16.25	3.66	20.50	30.61	16.47	15.43	5.78	15.52	23.60	13.24	1,465
Laelay koraro	10.71	5.81	16.11	27.03	13.40	8.14	4.68	17.48	21.15	13.04	9.60	5.27	16.80	24.19	13.23	1,852
Bora	10.26	3.33	18.83	39.62	13.90	9.52	3.57	18.95	11.43	12.39	9.95	3.45	18.89	28.41	13.17	1,420
Gerealta	15.44	4.52	14.24	20.00	11.21	13.74	3.80	23.85	23.73	14.97	14.61	4.17	19.35	21.53	13.09	1,841
Quiha	12.39	4.74	10.11	25.81	10.39	12.15	5.99	18.22	24.56	14.90	12.27	5.41	14.76	25.21	12.85	1,627
Total	12.65	6.75	12.70	24.79	11.75	11.25	6.08	17.53	23.75	13.85	11.98	6.42	15.28	24.27	12.82	128,997
Tsirae wemberta	19.38	10.54	9.41	20.25	12.18	18.28	9.43	13.27	19.15	13.27	18.92	10.02	11.45	19.65	12.72	1,784
Rama	10.64	10.91	12.58	20.69	12.46	10.87	8.04	14.01	24.64	12.97	10.75	9.55	13.33	22.83	12.72	1,407
Tsaeda Emab	16.83	4.65	11.17	21.93	10.68	14.71	7.69	17.71	21.28	14.70	15.76	5.96	14.67	21.63	12.63	1,765

Socio-demographic characteristics	Health problem consultation by Sex and Age category										Health problem consultation by age					
	Male					Female										
	0-4	5-17	18-59	≥60	Total	0-4	5-17	18-59	≥60	Total	0-4	5-17	18-59	≥60	Total	Number
Bizet	14.47	4.24	9.33	22.22	9.83	16.39	4.04	20.34	15.65	14.84	15.33	4.15	15.29	18.54	12.38	1,430
Keyih tekli	15.29	9.83	13.18	25.76	13.38	9.60	6.60	13.69	25.45	11.30	12.77	8.19	13.44	25.62	12.35	1,708
IDP	13.07	6.11	14.29	34.69	11.10	11.72	6.26	18.69	42.86	13.53	12.46	6.18	16.85	38.10	12.35	2,526
Hintalo	16.79	5.48	13.13	23.91	11.63	10.81	3.13	19.67	18.42	13.04	14.11	4.35	16.57	21.43	12.32	2,264
Adigrat	11.82	7.21	9.98	33.33	10.78	9.57	5.36	15.46	25.26	13.36	10.78	6.25	12.98	27.74	12.18	1,659
Wereda Hawzen	11.40	7.12	13.86	23.81	12.33	6.82	4.66	16.52	19.17	11.94	9.41	5.93	15.33	21.54	12.13	1,978
Wajirat	13.58	6.05	15.38	18.18	11.94	7.79	5.07	16.33	20.78	12.20	10.76	5.59	15.90	19.39	12.07	1,649
Egela	11.34	6.71	10.55	26.98	10.50	8.60	5.79	19.21	23.73	13.40	10.00	6.24	15.57	25.41	12.06	1,576
Ahsea	14.68	6.56	11.11	21.33	10.84	9.00	6.70	16.94	14.29	12.68	11.96	6.62	14.01	17.47	11.71	1,639
Wereda Adwa	5.17	5.60	14.09	21.24	11.05	11.76	5.00	14.97	20.21	11.80	8.26	5.31	14.51	20.77	11.41	2,139
Hagereselam	1.18	3.85	11.83	27.91	9.00	10.26	4.57	17.60	18.03	13.39	5.52	4.20	15.07	22.12	11.34	1,261
Selewa	8.93	3.32	11.17	31.76	9.94	9.60	5.14	18.09	17.14	12.24	9.28	4.21	14.67	25.16	11.09	1,777
Adi Haki	8.70	3.23	10.69	17.86	8.20	12.30	8.76	13.74	22.22	12.56	10.38	5.97	12.41	20.55	10.52	1,853
Tsimbila	11.61	5.66	9.38	23.28	9.82	18.18	6.92	12.36	17.11	11.27	14.04	6.24	10.81	20.83	10.48	1,984
Adwa town	7.00	6.09	7.04	24.00	7.91	6.25	4.27	14.57	26.19	12.43	6.67	5.15	11.15	25.37	10.32	1,628
Atsbi town	9.02	2.70	8.30	12.90	6.76	7.96	4.57	16.85	45.45	13.33	8.54	3.58	13.24	29.69	10.18	1,356
Wukro	4.55	4.79	9.93	17.24	7.68	3.33	3.40	16.20	29.41	11.87	3.97	4.06	13.62	25.00	10.00	1,460
Neader	6.06	5.63	13.15	19.00	10.50	4.35	3.95	13.51	15.09	9.40	5.24	4.76	13.33	16.99	9.94	1,720
Maekel Adyabo	1.61	6.25	10.16	20.37	9.01	7.04	4.95	12.80	16.67	10.41	4.51	5.64	11.50	18.52	9.71	1,370
Atsbi	8.85	3.78	8.10	26.13	8.75	7.32	2.86	14.36	21.21	10.69	8.21	3.37	11.36	23.81	9.68	1,777
Semen	4.85	4.52	8.30	23.08	7.89	4.67	6.15	13.29	16.09	11.18	4.76	5.29	11.00	18.71	9.64	1,754

Socio-demographic characteristics	Health problem consultation by Sex and Age category										Health problem consultation by age					
	Male					Female										
	0-4	5-17	18-59	≥60	Total	0-4	5-17	18-59	≥60	Total	0-4	5-17	18-59	≥60	Total	Number
Samre	7.20	6.27	8.26	15.84	8.20	4.50	3.75	15.40	20.62	10.92	5.93	5.07	11.83	18.18	9.53	2,026
Enda mekoni	15.09	7.21	6.30	12.50	8.33	22.34	5.51	11.42	5.71	10.50	18.50	6.47	9.15	9.33	9.42	1,678
Tanqua milash	7.14	6.43	8.48	17.86	8.41	9.40	7.82	11.03	15.87	10.12	8.30	7.08	9.81	17.01	9.25	1,848
Hahayle	7.83	1.86	11.11	22.73	8.71	1.92	2.57	11.61	25.33	8.77	5.02	2.21	11.37	23.93	8.74	1,957
Degua temben	8.57	1.57	9.92	14.29	6.89	5.51	2.68	17.40	19.48	10.59	7.12	2.09	13.82	16.57	8.69	1,898
Raya Azebo	10.19	2.28	8.60	22.39	7.40	8.25	4.60	13.09	20.93	9.90	9.27	3.40	10.94	21.82	8.63	1,842
Seymti Adyabo	3.49	2.78	9.61	22.03	7.67	7.53	1.72	12.90	24.53	9.21	5.59	2.21	11.31	23.21	8.47	1,629
Hawelti	8.04	3.17	7.20	21.57	7.12	6.60	5.08	11.37	15.52	9.46	7.34	4.19	9.66	18.35	8.43	1,756
Enderta	7.80	3.04	8.19	13.04	6.59	9.03	1.32	13.26	14.29	8.41	8.42	2.16	10.86	13.64	7.53	2,033
Adet	9.35	3.62	8.38	8.43	6.98	7.63	2.61	10.30	12.64	7.81	8.44	3.13	9.34	10.59	7.39	1,731
Gulomekeda	2.94	3.07	6.41	9.09	5.56	8.51	2.75	11.38	13.33	8.87	5.22	2.91	9.08	11.03	7.20	1,430
Kilte Awlaelo	2.56	3.46	6.67	11.71	5.96	5.75	2.69	9.05	16.67	7.80	4.24	3.11	7.90	13.93	6.87	1,659
Emba Alaje	7.94	2.75	7.94	9.26	6.15	8.64	2.23	7.82	18.97	6.88	8.21	2.52	7.88	14.29	6.50	1,753
Seharti	5.84	2.16	4.91	18.75	5.20	4.05	1.09	11.90	9.33	6.78	4.84	1.66	8.54	14.62	5.99	2,154
Hawzen	5.43	1.69	6.23	12.12	5.03	4.35	1.17	8.86	9.09	6.27	4.83	1.43	7.73	10.23	5.71	1,278
Chila	2.50	3.13	7.88	9.20	5.83	4.94	2.73	5.29	11.84	5.07	3.73	2.94	6.51	10.43	5.45	1,652
Neqsege	7.43	2.74	6.27	9.43	5.35	5.69	1.62	8.83		5.45	6.64	2.19	7.58	6.25	5.40	1,741
Total	12.65	6.76	12.68	24.70	11.76	11.24	6.07	17.51	23.63	13.86	11.97	6.43	15.26	24.16	12.83	126,471

Table 4.2a. Reason for consultation to health provider or traditional healer in the last 4 weeks, TSES, 2024 G.C

Socio-demographic characteristics	Care(Not linked to pregnancy)	Prenatal checkup	Prenatal checkup count	Give birth	Give birth count	Appointment for chronic illness	Appointment for accidents	New or acute illness	New Injury	Other	Unweighted Number
Regional	2.95	1.33	857	0.63	406	2.84	1.35	4.20	1.32	0.02	126,471
Age group											
0-4	3.76	_	_	_	_	1.07	0.94	5.45	1.02	0.01	15,344
5-17	1.47	0.02	4	0.02	3	0.87	0.54	2.91	0.87	0.02	40,114
18-59	3.37	2.66	853	1.25	402	3.50	1.68	4.28	1.51	0.02	60,037
≥60	4.95			0.02	1	8.88	3.07	6.75	2.34	0.03	10,976
Sex											
Male	2.70	_	_	_	_	2.69	1.35	4.27	1.44	0.02	62,005
Female	3.19	1.33	857	0.63	406	2.99	1.35	4.13	1.20	0.02	64,466
Residence											
urban	3.16	1.65	389	0.74	174	3.75	1.30	4.20	1.16	0.02	43,767
Rural	2.84	1.14	468	0.57	232	2.36	1.37	4.20	1.40	0.02	82,704
Zone											
North Western	3.05	1.49	149	0.54	54	2.92	1.94	6.04	2.47	0.02	19,857
Central	3.39	1.14	220	0.65	126	2.86	1.54	4.40	1.33	0.03	38,163

Socio-demographic characteristics	Care(Not linked to pregnancy)	Prenatal checkup	Prenatal checkup count	Give birth	Give birth count	Appointment for chronic illness	Appointment for accidents	New or acute illness	New Injury	Other	Unweighted Number
Eastern	3.11	1.24	174	0.68	96	2.74	1.20	3.88	0.97	0.02	27,238
South East	2.00	1.37	102	0.74	55	2.13	1.04	2.90	1.36		14,777
Mekelle	3.00	1.72	112	0.72	47	3.59	0.89	3.03	0.85	0.01	11,975
Southern	2.30	1.39	100	0.39	28	2.95	0.99	4.07	0.75	0.01	14,461
Total	2.95	1.33	857	0.63	406	2.84	1.35	4.20	1.32	0.02	126,471
Household head litracy											
No education	4.62	0.59	41	0.30	21	6.47	2.60	6.09	2.18	0.02	15,853
Primary education	5.21	2.58	64	0.93	23	6.55	2.29	6.50	2.18	0.03	7,250
Secondary education	4.31	4.30	96	1.70	38	4.61	1.90	4.88	1.90	0.00	4,363
Taritiary education	4.74	4.67	46	1.93	19	5.56	2.19	5.83	1.23	0.05	2,195
Total	4.73	1.96	247	0.80	101	6.15	2.39	5.99	2.07	0.02	29,661

Table 4.3a: Suffering from illness or injury in the past 4 weeks, TSES, 2024 G.C.

Socio-demographic characteristics	Illness or injury by Sex and Age category										Illness or injury by age					
	Male					Female										
	0-4	5-17	18-59	≥60	Total	0-4	5-17	18-59	≥60	Total	0-4	5-17	18-59	≥60	Total	Number
Regional	6.51	4.36	7.35	14.94	6.91	5.59	3.65	7.98	15.41	7.03	6.07	4.01	7.69	15.18	6.98	126,471
Residence																
Urban	6.51	4.47	5.91	12.93	6.00	5.65	3.75	7.13	15.63	6.77	6.09	4.11	6.60	14.55	6.42	43,767
Rural	6.51	4.31	8.15	15.53	7.35	5.55	3.61	8.56	15.30	7.19	6.05	3.97	8.36	15.42	7.27	82,704
Zone																
North Western	10.79	6.93	10.88	20.05	10.38	9.32	6.02	10.62	19.18	9.81	10.08	6.49	10.75	19.62	10.09	19,857
Central	6.85	5.07	8.49	16.86	7.92	5.81	4.01	8.57	17.34	7.62	6.34	4.56	8.53	17.10	7.77	38,163
Eastern	5.13	3.24	5.87	12.57	5.53	4.64	2.84	7.55	13.28	6.38	4.90	3.04	6.79	12.93	5.97	27,238
South East	5.40	3.28	6.86	12.44	5.87	3.86	2.17	8.53	14.43	6.33	4.65	2.74	7.75	13.40	6.10	14,777
Mekelle	6.71	3.95	5.07	11.80	5.40	5.05	3.94	5.73	14.55	5.88	5.89	3.94	5.44	13.41	5.66	11,975
Southern	4.55	2.65	4.25	11.31	4.28	4.77	2.44	5.30	10.25	4.66	4.65	2.55	4.80	10.81	4.47	14,461
household heads literacy																

Socio-demographic characteristics	Illness or injury by Sex and Age category										Illness or injury by age					
	Male					Female										
	0-4	5-17	18-59	≥60	Total	0-4	5-17	18-59	≥60	Total	0-4	5-17	18-59	≥60	Total	Number
No education	0.00	0.00	9.11	14.66	11.40	0.00	20.00	13.18	15.52	14.31	0.00	20.00	10.59	15.03	12.54	15,853
Primary education	0.00	11.11	10.70	17.08	11.70	0.00	5.88	10.63	19.75	11.36	0.00	7.69	10.68	17.50	11.61	7,250
Secondary education	0.00	0.00	7.96	17.50	8.35	0.00	25.00	8.80	10.71	8.88	0.00	20.00	8.24	16.22	8.53	4,363
Tertiary education	0.00	0.00	7.98	13.19	8.27	0.00	0.00	7.61	19.05	8.02	0.00	0.00	7.88	14.29	8.20	2,195
Total	0.00	9.09	9.27	15.11	10.77	0.00	11.54	11.20	15.70	12.63	0.00	10.81	9.89	15.34	11.40	29,661
Wereda																
Asgede	24.69	21.90	31.48	46.38	28.91	17.14	19.93	35.87	45.61	29.24	21.19	20.92	33.55	46.03	29.07	1,603
Embasineyti	23.73	18.05	18.82	32.43	20.48	15.31	11.11	20.62	22.99	17.14	19.91	14.50	19.74	27.33	18.79	1,682
Tahtay Adyabo	31.25	13.99	18.09	24.56	18.36	21.79	17.23	17.79	16.95	17.90	26.58	15.62	17.94	20.69	18.13	1,677
Zana	20.00	9.96	19.44	20.62	16.71	15.38	6.17	13.29	26.83	12.74	17.92	8.13	16.22	23.46	14.74	1,676
Freweini town	13.46	10.31	13.36	37.50	13.36	14.56	8.42	15.51	47.62	15.37	14.01	9.38	14.71	43.94	14.49	1,235
Mai kinetal	11.61	10.59	16.54	23.75	14.47	10.92	6.67	15.63	35.29	13.77	11.26	8.65	16.08	29.70	14.12	1,834

Socio-demographic characteristics	Illness or injury by Sex and Age category										Illness or injury by age					
	Male					Female										
	0-4	5-17	18-59	≥60	Total	0-4	5-17	18-59	≥60	Total	0-4	5-17	18-59	≥60	Total	Number
tahtay Koraro	17.78	9.42	8.76	26.85	12.00	18.63	8.73	13.44	31.63	14.53	18.23	9.07	11.15	29.13	13.28	1,837
Abegele	9.33	8.42	16.31	26.25	13.17	6.04	7.74	16.88	33.33	12.96	7.69	8.10	16.61	28.91	13.07	2,028
Tahtay maichew	12.24	8.86	10.23	22.67	11.14	17.53	6.77	13.90	30.56	13.61	14.87	7.85	12.11	26.53	12.37	1,665
Wajirat	11.11	5.73	15.38	20.45	11.81	7.79	6.52	15.33	25.97	12.68	9.49	6.10	15.35	23.03	12.25	1,649
Edaga hamus	7.58	6.30	14.08	54.55	11.39	7.84	5.24	15.72	28.00	12.44	7.69	5.78	15.05	36.11	11.95	1,464
Kedamay Weyane	17.95	13.87	8.75	19.51	11.71	10.39	6.47	11.22	28.26	12.03	14.19	10.20	10.14	25.56	11.89	1,548
Egela	10.31	6.04	9.82	22.22	9.41	9.68	5.79	12.63	30.51	11.03	10.00	5.91	11.45	26.23	10.28	1,576
Raya Chercher	11.11	4.73	12.42	15.38	9.78	12.50	5.02	11.75	22.06	10.48	11.76	4.87	12.06	18.49	10.13	1,530
Mekoni town	15.29	6.82	6.84	13.16	8.42	12.50	7.10	10.92	29.55	11.47	14.01	6.95	9.01	21.95	9.96	1,225
Laelay Maichew	4.44	4.55	12.44	21.60	10.50	5.05	2.78	8.93	13.73	7.24	4.76	3.72	10.77	18.06	8.95	1,799
Rama	6.38	6.36	9.43	24.14	9.28	7.61	4.52	7.00	24.64	8.09	6.99	5.49	8.15	24.41	8.67	1,407
Tsaeda Emab	7.92	3.20	8.88	15.79	7.49	6.86	7.31	10.47	13.83	9.45	7.39	4.97	9.73	14.90	8.44	1,765
Axum town	3.70	3.88	8.00	25.00	7.85	4.82	4.39	8.30	25.00	8.63	4.27	4.15	8.17	25.00	8.28	1,595
Ahferom	5.94	3.43	7.01	18.33	7.01	4.72	5.15	9.19	16.54	8.40	5.31	4.26	8.11	17.39	7.70	2,090
Abiadi	2.50	8.15	10.47	5.77	8.54	4.21	3.45	7.26	14.29	6.66	3.43	5.87	8.73	10.66	7.54	1,445
Degua temben	7.86	1.83	8.22	12.24	6.06	3.15	2.38	13.51	24.68	8.97	5.62	2.09	10.98	17.71	7.48	1,898
Ahsea	11.93	4.92	6.50	17.33	7.58	6.00	4.02	8.74	10.99	7.30	9.09	4.54	7.62	13.86	7.44	1,639
Laelay koraro	5.36	3.23	11.14	15.32	8.38	5.81	1.80	6.53	15.38	6.02	5.56	2.55	8.81	15.35	7.24	1,852

Socio-demographic characteristics	Illness or injury by Sex and Age category										Illness or injury by age					
	Male					Female										
	0-4	5-17	18-59	≥60	Total	0-4	5-17	18-59	≥60	Total	0-4	5-17	18-59	≥60	Total	Number
Subha sasei	10.00	5.77	7.52	11.58	7.70	2.78	4.84	9.22	7.77	6.80	6.72	5.28	8.44	9.60	7.23	1,881
Erob	4.26	2.80	7.34	13.33	6.03	16.46	1.62	10.57	9.59	8.31	9.83	2.21	9.13	11.49	7.22	1,552
Hadnet	13.48	4.81	5.31	24.00	7.26	8.57	6.10	5.96	16.25	7.17	10.82	5.46	5.66	19.23	7.21	1,734
Hintalo	6.57	4.52	9.09	15.22	7.60	5.41	1.30	9.47	17.11	6.79	6.05	2.99	9.29	16.07	7.20	2,264
Sheraro	7.37	4.02	4.90	7.50	5.10	5.00	2.62	10.71	20.41	8.70	6.29	3.37	8.14	14.61	6.96	1,465
Samre	4.80	5.98	6.74	9.90	6.56	3.60	3.13	9.11	16.49	7.28	4.24	4.62	7.93	13.13	6.91	2,026
Wereda Hawzen	6.14	2.74	7.07	15.87	6.47	4.55	2.33	8.15	19.17	7.16	5.45	2.54	7.66	17.48	6.83	1,978
Aidaero	4.44	3.08	8.96	19.18	7.19	2.02	1.52	8.26	17.14	6.22	3.17	2.38	8.59	18.18	6.71	1,758
Enticho town	2.50	4.30	4.18	13.73	4.83	5.33	6.01	7.31	12.31	7.22	3.87	5.15	6.04	12.93	6.14	1,286
Tsimbila	5.36	3.23	6.25	14.66	6.02	10.61	2.83	5.62	15.79	5.86	7.30	3.05	5.95	15.10	5.95	1,984
Bizet	7.89	2.54	5.33	6.67	4.84	6.56	1.52	9.04	8.70	6.73	7.30	2.07	7.34	7.80	5.80	1,430
Hahayle	7.83	1.24	5.11	19.32	5.43	0.96	1.93	7.54	21.33	6.12	4.57	1.58	6.38	20.25	5.77	1,957
Adwa town	6.00	4.06	4.13	8.00	4.61	5.00	3.79	6.07	16.67	6.44	5.56	3.92	5.19	13.43	5.59	1,628
Ganta afeshum	3.37	2.62	4.17	18.95	5.30	3.30	1.60	5.59	17.59	5.69	3.33	2.13	4.94	18.23	5.51	1,689
Keyih tekli	5.73	4.41	5.44	18.18	6.11	4.80	2.31	5.59	12.73	4.76	5.32	3.34	5.52	15.70	5.44	1,708
Bora	3.42	2.08	6.48	20.75	5.59	5.95	0.89	7.29	8.57	5.10	4.48	1.51	6.90	15.91	5.35	1,420
Seymti Adyabo	3.49	1.98	6.23	16.95	5.37	5.38	1.38	6.08	18.87	5.19	4.47	1.66	6.16	17.86	5.28	1,629
Tanqua milash	2.68	3.22	6.23	10.71	5.11	2.56	4.08	5.52	15.87	5.39	2.62	3.62	5.86	12.93	5.25	1,848
Selewa	4.46	1.81	5.99	15.29	5.14	5.60	2.57	6.38	11.43	5.33	5.06	2.18	6.19	13.55	5.23	1,777

Socio-demographic characteristics	Illness or injury by Sex and Age category										Illness or injury by age					
	Male					Female										
	0-4	5-17	18-59	≥60	Total	0-4	5-17	18-59	≥60	Total	0-4	5-17	18-59	≥60	Total	Number
Atsbi	3.54	2.91	4.47	11.71	4.64	2.44	1.43	6.92	16.16	5.76	3.08	2.24	5.75	13.81	5.18	1,777
Adet	5.61	2.90	6.85	8.43	5.58	4.24	1.49	5.53	10.34	4.59	4.89	2.21	6.19	9.41	5.08	1,731
Maekel Adyabo	1.61	3.85	4.40	14.81	4.80	5.63	3.85	5.87	5.56	5.28	3.76	3.85	5.14	10.19	5.04	1,370
Gulomekeda	2.94	1.32	5.69	7.69	4.44	4.26	2.29	7.08	8.33	5.63	3.48	1.79	6.44	7.98	5.03	1,430
Ayder	6.25	1.79	4.07	12.73	4.34	5.50	3.35	5.11	14.52	5.33	5.88	2.59	4.66	13.68	4.87	1,703
Semen	3.88	3.02	4.26	5.77	4.00	2.80	5.59	5.39	10.34	5.59	3.33	4.23	4.87	8.63	4.85	1,754
Hagereselam		2.75	5.73	13.95	4.58	3.85	1.71	6.42	4.92	4.76	1.84	2.24	6.12	8.65	4.68	1,261
Quiha	4.42	2.63	5.85	9.68	5.13	5.61	1.38	4.55	8.77	4.18	5.00	1.97	5.11	9.24	4.61	1,627
Wereda Adwa	2.59	1.07	7.72	10.62	5.26	1.96	1.47	4.57	10.64	3.83	2.29	1.26	6.21	10.63	4.58	2,139
Tsirae wemberta	3.88	2.38	3.82	11.39	4.02	5.38	1.51	5.95	10.64	5.06	4.50	1.97	4.94	10.98	4.54	1,784
Endabatsehama	2.42	2.80	5.96	10.81	4.73	6.19	2.04	5.07	6.35	4.33	4.22	2.44	5.47	8.76	4.53	1,812
Adigrat	5.45	2.40	4.24	7.14	4.07	4.26	2.23	5.36	9.47	4.90	4.90	2.31	4.85	8.76	4.52	1,659
Gerealta	3.68	3.11	6.10	11.76	5.11	1.53	1.17	6.41	8.47	3.90	2.62	2.16	6.27	10.42	4.51	1,841
Endabguna	6.25	5.10	4.80	8.33	5.30	6.35	0.63	4.22	5.17	3.65	6.30	2.86	4.46	6.38	4.38	1,186
Neader	2.02	1.76	5.75	11.00	4.60	2.17	0.99	5.41	8.49	3.90	2.09	1.36	5.58	9.71	4.24	1,720
Raya Azebo	6.48	1.99	2.95	17.91	4.07	2.06	2.45	4.97	6.98	3.85	4.39	2.22	4.00	13.64	3.96	1,842
Kola temben	4.58	2.85	4.44	13.64	4.78		0.63	4.42	11.43	3.13	2.41	1.73	4.43	12.66	3.95	1,922
Enda mekoni	2.83	5.25	2.58	6.25	3.93	4.26	2.97	4.57	2.86	3.94	3.50	4.25	3.68	4.67	3.93	1,678
Adi Haki	2.90	1.79	4.51		3.23	2.46	4.01	4.21	13.33	4.36	2.69	2.89	4.34	8.22	3.83	1,853

Socio-demographic characteristics	Illness or injury by Sex and Age category										Illness or injury by age					
	Male					Female										
	0-4	5-17	18-59	≥60	Total	0-4	5-17	18-59	≥60	Total	0-4	5-17	18-59	≥60	Total	Number
Kilte Awlaelo	2.56	2.69	3.33	8.11	3.69	1.15	2.69	3.57	11.11	3.90	1.82	2.69	3.46	9.45	3.80	1,659
Chila	1.25	2.43	4.62	6.90	3.77	3.70	1.95	3.85	7.89	3.62	2.48	2.21	4.21	7.36	3.69	1,652
Enderta	4.96	1.93	4.34	7.25	3.75	2.78	0.53	5.22	9.52	3.44	3.86	1.21	4.80	8.33	3.59	2,033
Shire Endaselassie	4.63	2.97	3.09	13.95	3.84	1.79	1.45	3.99	6.76	3.26	3.18	2.21	3.62	9.40	3.52	1,820
Seharti	2.92	1.20	2.80	11.46	2.97	2.89	0.82	6.28	5.33	3.81	2.90	1.02	4.61	8.77	3.39	2,154
Adigudem	5.19	1.80	2.98	5.00	3.24	3.60	1.91	3.71	6.35	3.44	4.47	1.86	3.39	5.83	3.35	1,492
Hawelti	3.57	2.26	2.83	7.84	3.10	1.89	1.95	3.91	3.45	3.15	2.75	2.10	3.47	5.50	3.13	1,756
Atsbi town	3.01	1.80	2.64		2.30	0.88	2.54	3.59	12.12	3.26	2.03	2.15	3.19	6.25	2.80	1,356
Wukro	0.76	1.06	2.32	10.34	2.00		1.46	3.47	11.76	2.97	0.40	1.27	3.00	11.25	2.53	1,460
Maichew	3.13	1.53	1.95	2.04	2.00	3.66	2.44	2.30	5.48	2.77	3.37	2.00	2.14	4.10	2.41	1,495
Hawzen		1.12	2.56	6.06	1.91	0.87		2.49	3.64	1.71	0.48	0.57	2.52	4.55	1.80	1,278
Neqsege		1.52	0.82	3.77	1.11		0.32	1.82	3.70	1.07		0.94	1.33	3.75	1.09	1,741
Emba Alaje			0.50	3.70	0.44		0.37		1.72	0.24		0.17	0.24	2.68	0.34	1,753
IDP	10.80	4.36	8.90	22.45	7.59	7.59	5.12	10.44	17.14	8.15	9.35	4.73	9.79	20.24	7.88	2,526
Total	6.60	4.36	7.37	15.01	6.93	5.63	3.69	8.02	15.42	7.06	6.13	4.03	7.72	15.22	6.99	128,997

Table 4.4a. Sickness or injury faced in the last 4 weeks, TSES, 2024.

Socio-demographic characteristics	Malaria	Diarrhea	Injury	Dental Disease	Ophthalmic Disease	Skin Disease	ENT Disease	TB Infection	Hunger Related Illness	Other	Unweighted number
Regional	1.41	0.63	0.80	0.16	0.61	0.41	0.42	0.43	0.25	2.54	126,471
Age group											
0-4	1.17	1.43	0.28	0.02	0.25	0.60	0.49	0.15	0.28	1.90	15,344
5-17	1.17	0.53	0.36	0.08	0.19	0.32	0.31	0.15	0.13	1.08	40,114
18-59	1.58	0.48	1.04	0.21	0.44	0.36	0.40	0.52	0.24	3.11	60,037
≥60	1.69	0.78	1.79	0.40	3.56	0.75	0.83	1.28	0.68	5.64	10,976
Sex											
Male	1.62	0.66	0.95	0.14	0.59	0.42	0.40	0.39	0.18	2.22	62,005
Female	1.21	0.61	0.65	0.18	0.63	0.40	0.44	0.46	0.31	2.84	64,466
Residence											
urban	0.65	0.53	0.84	0.14	0.45	0.41	0.54	0.24	0.30	2.70	43,767

Socio-demographic characteristics	Malaria	Diarrhea	Injury	Dental Disease	Ophthalmic Disease	Skin Disease	ENT Disease	TB Infection	Hunger Related Illness	Other	Unweighted number
Rural	1.81	0.69	0.78	0.17	0.69	0.41	0.36	0.53	0.22	2.45	82,704
Zone											
North Western	3.57	0.75	0.91	0.22	0.78	0.47	0.53	0.77	0.24	3.25	19,857
Central	1.90	0.85	0.87	0.17	0.63	0.52	0.43	0.43	0.26	2.46	38,163
Eastern	0.32	0.58	0.77	0.12	0.64	0.38	0.38	0.36	0.23	2.80	27,238
South East	1.02	0.40	0.92	0.21	0.43	0.35	0.32	0.51	0.24	2.04	14,777
Mekelle	0.13	0.39	0.68	0.13	0.43	0.43	0.53	0.12	0.29	2.76	11,975
Southern	0.66	0.47	0.50	0.11	0.59	0.15	0.33	0.23	0.21	1.60	14,461
Household head litracy											
No education	2.09	0.72	1.53	0.34	2.08	0.63	0.66	1.05	0.59	4.49	15,853
Primary education	2.18	0.77	1.49	0.28	0.95	0.48	0.52	0.61	0.43	4.92	7,250
Secondary education	1.47	0.44	1.42	0.21	0.50	0.53	0.37	0.37	0.23	3.60	4,363
Taritiary education	0.77	0.64	1.32	0.32	0.36	0.32	0.50	0.14	0.32	4.10	2,195
Woreda											
Tsimbila	1.76	0.55	0.45	0.30	0.81	0.20	0.55	0.81	0.25	1.21	1,984
Endabguna	0.84	0.34	0.42	0.00	0.00	0.25	0.25	0.08	0.51	2.19	1,186
Asgede	13.85	1.12	3.18	0.62	1.43	0.81	1.25	3.06	0.87	10.73	1,603
Tahtay Adyabo	11.21	1.79	1.85	0.06	0.36	1.01	1.19	0.95	0.18	3.04	1,677
Sheraro	2.25	0.55	0.48	0.07	0.41	0.27	0.27	0.41	0.20	2.59	1,465
Maekel Adyabo	0.80	1.09	0.80	0.15	0.44	0.00	0.44	0.44	0.22	0.95	1,370
Seymti Adyabo	0.86	0.18	0.25	0.00	0.31	0.43	0.25	0.37	0.06	2.70	1,629

Socio-demographic characteristics	Malaria	Diarrhea	Injury	Dental Disease	Ophthalmic Disease	Skin Disease	ENT Disease	TB Infection	Hunger Related Illness	Other	Unweighted number
Aidaero	1.37	0.34	0.97	0.34	0.28	0.46	0.46	0.63	0.51	1.88	1,758
tahtay Koraro	4.03	0.82	0.76	0.22	2.01	0.76	0.33	0.71	0.00	4.46	1,837
Shire Endaselassie	0.49	0.44	0.38	0.11	0.55	0.11	0.16	0.05	0.16	1.32	1,820
Zana	3.28	1.31	0.42	0.36	1.19	0.60	0.36	0.54	0.00	7.28	1,676
Laelay koraro	1.78	0.49	0.92	0.27	1.08	0.65	0.76	0.97	0.00	0.86	1,852
Chila	1.82	0.12	0.18	0.00	0.18	0.06	0.12	0.48	0.00	0.91	1,652
Tahtay maichew	1.44	0.78	1.02	0.18	0.72	0.96	0.72	0.90	0.06	6.37	1,665
Adet	0.87	0.52	0.69	0.12	0.17	0.46	0.40	0.23	0.52	1.39	1,731
Laelay Maichew	1.72	0.78	0.44	0.28	1.28	0.17	0.50	0.94	0.22	3.17	1,799
Axum town	0.31	0.75	2.70	0.13	1.00	0.38	0.25	0.31	0.31	3.07	1,595
Neader	0.76	0.93	0.23	0.12	0.35	0.23	0.00	0.06	0.23	1.57	1,720
Kola temben	1.20	0.36	0.62	0.10	0.47	0.68	0.52	0.26	0.16	0.42	1,922
Abegele	5.23	0.39	0.25	0.20	0.49	0.49	0.25	0.35	0.10	6.02	2,028
Tanqua milash	1.35	0.27	0.43	0.11	0.22	0.49	0.43	0.11	0.05	2.06	1,848
Abiadi	3.67	0.48	1.25	0.21	0.28	0.42	0.28	0.55	0.14	1.04	1,445
Keyih tekli	2.34	0.18	0.18	0.35	0.29	0.12	0.18	0.29	0.06	1.64	1,708
Mai kinetal	3.65	0.93	1.36	0.60	1.96	1.20	0.76	0.38	0.49	4.53	1,834
Endabatsehama	1.38	0.61	0.94	0.00	0.33	0.11	0.00	0.11	0.06	1.38	1,812
Embasineyti	3.39	4.88	2.50	0.18	1.01	1.43	1.43	0.95	0.83	4.99	1,682
Hahayle	1.69	1.12	0.56	0.36	1.12	1.07	0.20	0.20	0.46	0.92	1,957
Wereda Adwa	0.89	0.28	0.51	0.05	0.33	0.33	0.05	0.23	0.09	2.06	2,139
Adwa town	0.43	0.61	0.92	0.12	0.37	0.31	0.06	0.43	0.55	2.03	1,628

Socio-demographic characteristics	Malaria	Diarrhea	Injury	Dental Disease	Ophthalmic Disease	Skin Disease	ENT Disease	TB Infection	Hunger Related Illness	Other	Unweighted number
Rama	3.06	0.50	2.77	0.00	0.21	0.28	0.14	0.43	0.57	1.14	1,407
Ahsea	3.36	1.71	0.43	0.12	0.37	0.24	0.37	0.92	0.43	1.22	1,639
Egela	1.84	1.21	0.95	0.06	0.82	0.38	2.09	0.25	0.06	2.98	1,576
Ahferom	0.81	0.72	0.48	0.33	0.91	0.81	0.57	0.81	0.29	2.68	2,090
Enticho town	0.70	0.78	0.54	0.08	0.70	0.62	0.39	0.47	0.23	1.87	1,286
Bizet	0.35	0.21	0.84	0.42	0.77	0.28	0.42	0.42	0.14	2.73	1,430
Gulomekeda	0.28	0.63	0.21	0.00	0.77	0.42	0.42	0.28	0.07	2.59	1,430
Erob	0.19	0.19	1.10	0.13	0.84	0.32	0.58	0.13	0.45	3.80	1,552
Subha sasei	0.27	2.34	1.06	0.21	0.85	0.64	0.43	0.32	1.17	2.29	1,881
Edaga hamus	0.00	0.55	2.60	0.20	0.75	0.48	0.41	0.55	0.14	6.56	1,464
Ganta afeshum	0.30	0.12	1.24	0.00	1.01	0.18	0.36	1.36	0.18	1.18	1,689
Adigrat	0.18	0.54	0.66	0.00	0.42	0.42	0.42	0.18	0.18	1.63	1,659
Wereda Hawzen	1.31	1.42	0.40	0.10	0.96	0.86	0.15	0.46	0.10	2.58	1,978
Hawzen	0.00	0.16	0.70	0.00	0.16	0.08	0.00	0.00	0.31	0.55	1,278
Tsaeda Emab	0.17	0.45	0.96	0.23	1.53	0.28	0.28	0.40	0.06	4.53	1,765
Freweini town	1.30	1.70	1.21	0.49	0.73	1.13	1.78	0.40	0.65	7.21	1,235
Atsbi	0.17	0.06	0.34	0.11	0.28	0.17	0.34	0.23	0.11	3.71	1,777
Atsbi town	0.00	0.44	0.29	0.07	0.29	0.22	0.37	0.37	0.00	0.88	1,356
Tsirae wemberta	0.17	0.11	0.28	0.06	0.28	0.28	0.34	0.34	0.06	2.75	1,784
Wukro	0.07	0.14	0.14	0.07	0.21	0.27	0.14	0.00	0.07	1.44	1,460
Kilte Awlaelo	0.48	0.24	0.54	0.00	0.60	0.00	0.00	0.36	0.00	1.99	1,659
Gerealta	0.16	0.27	0.65	0.11	0.27	0.38	0.38	0.27	0.27	1.90	1,841

Socio-demographic characteristics	Malaria	Diarrhea	Injury	Dental Disease	Ophthalmic Disease	Skin Disease	ENT Disease	TB Infection	Hunger Related Illness	Other	Unweighted number
Degua temben	0.32	0.37	1.58	0.63	0.79	0.42	0.53	0.79	0.32	2.00	1,898
Hagereselam	0.08	0.48	0.48	0.24	0.40	0.40	0.32	0.24	0.56	1.74	1,261
Enderta	0.69	0.54	0.20	0.10	0.15	0.10	0.30	0.39	0.10	1.43	2,033
Seharti	0.79	0.28	0.28	0.09	0.46	0.09	0.09	0.32	0.14	1.25	2,154
Samre	3.70	0.05	0.25	0.10	0.20	0.39	0.25	0.44	0.35	1.53	2,026
Hintalo	0.80	0.84	2.61	0.13	0.57	0.71	0.44	0.53	0.27	0.57	2,264
Adigudem	0.13	0.20	0.40	0.27	0.13	0.27	0.20	0.00	0.20	1.61	1,492
Wajirat	1.03	0.36	1.21	0.18	0.73	0.36	0.42	1.27	0.12	7.16	1,649
Ayder	0.23	0.23	0.12	0.18	0.41	0.41	0.82	0.29	0.53	1.94	1,703
Semen	0.11	0.57	1.03	0.11	0.46	0.34	0.23	0.11	0.00	2.17	1,754
Quiha	0.06	0.31	0.80	0.00	0.31	0.43	0.25	0.18	0.18	2.09	1,627
Kedamay Weyane	0.32	0.45	0.90	0.13	0.65	0.58	1.29	0.06	1.10	6.65	1,548
Hawelti	0.11	0.46	1.08	0.23	0.17	0.11	0.28	0.06	0.00	0.68	1,756
Adi Haki	0.00	0.22	0.43	0.11	0.38	0.38	0.54	0.05	0.22	1.73	1,853
Hadnet	0.06	0.52	0.40	0.17	0.63	0.75	0.35	0.06	0.12	4.50	1,734
Emba Alaje	0.00	0.11	0.11	0.06	0.06	0.00	0.00	0.00	0.00	0.06	1,753
Selewa	0.51	0.84	0.79	0.17	0.73	0.28	0.17	0.39	0.23	1.52	1,777
Bora	1.62	0.70	0.56	0.21	0.49	0.14	0.21	0.35	1.06	0.99	1,420
Neqsege	0.29	0.06	0.29	0.00	0.11	0.00	0.00	0.00	0.11	0.29	1,741
Enda mekoni	0.95	0.42	0.24	0.30	0.95	0.18	0.18	0.18	0.00	0.77	1,678
Maichew	0.13	0.40	0.13	0.20	0.33	0.00	0.07	0.07	0.33	0.87	1,495
Mekoni town	1.47	0.65	0.90	0.00	0.73	0.24	2.69	0.41	0.24	3.18	1,225

Socio-demographic characteristics	Malaria	Diarrhea	Injury	Dental Disease	Ophthalmic Disease	Skin Disease	ENT Disease	TB Infection	Hunger Related Illness	Other	Unweighted number
Raya Azebo	0.33	0.38	0.33	0.05	0.92	0.27	0.00	0.33	0.11	1.74	1,842
Raya Chercher	1.05	0.78	1.37	0.00	0.98	0.20	0.26	0.39	0.00	5.75	1,530
IDP	1.82	0.67	0.59	0.12	0.28	0.55	0.36	0.24	0.55	3.44	2,526
Total	1.42	0.64	0.80	0.16	0.60	0.41	0.42	0.42	0.25	2.56	128,997

Table 4.5a: - Consultation for illness or injury in the last four weeks, TSES, 2024 G.C.

Socio-demographic characteristics	Traditional Healer	Doctor	Dentist	Nurse	Medical Assistant	Midwife	Pharmacist	No One	Maytsebel	Don't know	Other	Number
Regional	4.32	54.51	0.69	16.04	6.47	0.16	7.07	7.97	0.84	1.67	0.26	8,822
Age group												
0-4	3.87	46.51	0.54	25.03	8.27	0.21	8.49	4.83	0.32	1.50	0.43	931
5-17	4.16	48.76	0.68	19.25	6.27	0.06	9.57	7.95	0.81	2.17	0.31	1,610
18-59	4.53	56.90	0.82	14.54	6.63	0.24	6.65	7.13	0.95	1.34	0.26	4,615
≥60	4.14	57.92	0.42	12.06	5.22	0.00	5.04	12.06	0.84	2.16	0.12	1,666
Sex												
Male	4.41	54.98	0.63	16.77	6.67	0.12	6.69	7.14	0.61	1.56	0.42	4,287
Female	4.23	54.07	0.75	15.35	6.28	0.20	7.43	8.75	1.06	1.76	0.11	4,535
Residence												
urban	3.03	66.17	0.78	9.79	6.70	0.36	6.70	4.63	0.96	0.53	0.36	2,808
Rural	4.92	49.07	0.65	18.96	6.37	0.07	7.25	9.53	0.78	2.19	0.22	6,014
Zone												
North Western	4.64	48.65	0.75	17.66	7.73	0.05	12.43	6.24	0.40	0.95	0.50	2,004
Central	3.91	52.73	0.44	16.32	8.06	0.13	5.26	9.84	0.91	2.29	0.10	2,966
Eastern	4.98	60.02	0.62	9.90	6.70	0.12	4.06	8.67	1.85	2.64	0.43	1,626
South East	4.43	43.90	0.89	26.61	5.99	0.33	7.65	8.76	0.44	0.89	0.11	902
Mekelle	2.95	72.12	0.59	10.32	0.59	0.44	5.90	5.75	0.59	0.44	0.29	678
Southern	4.80	63.31	1.70	16.41	1.55	0.15	6.81	4.18	0.15	0.93	0.00	646
Household head litracy												
No education	5.03	54.53	0.60	13.38	6.04	0.10	5.63	12.07	0.65	1.86	0.10	1,988
Primary education	2.85	56.18	0.59	15.91	7.60	0.48	6.53	7.60	0.95	1.19	0.12	842

Socio-demographic characteristics	Traditional Healer	Doctor	Dentist	Nurse	Medical Assistant	Midwife	Pharmacist	No One	Maytsebel	Don't know	Other	Number
Secondary education	2.96	62.63	0.54	11.29	5.91	0.00	7.53	6.72	1.08	1.08	0.27	372
Taritiary education	2.78	73.33	1.11	6.67	3.33	1.11	5.00	5.56	0.56	0.00	0.56	180
Total	4.14	56.83	0.62	13.42	6.27	0.24	6.03	10.02	0.77	1.51	0.15	3,382
Woreda												
Axum town	0.00	96.21	0.76	0.76	0.00	0.00	0.76	0.76	0.00	0.76	0.00	132
Adwa town	1.10	85.71	1.10	5.49	1.10	0.00	2.20	3.30	0.00	0.00	0.00	91
Adigrat	2.67	84.00	0.00	2.67	8.00	0.00	1.33	0.00	1.33	0.00	0.00	75
Wukro	0.00	83.78	2.70	0.00	0.00	0.00	0.00	8.11	0.00	2.70	2.70	37
Enticho town	2.53	81.01	0.00	8.86	0.00	0.00	2.53	2.53	2.53	0.00	0.00	79
Kedamay Weyane	4.35	80.98	0.00	1.63	0.00	1.09	5.98	4.35	1.09	0.00	0.54	184
Neader	9.59	80.82	0.00	8.22	0.00	0.00	0.00	1.37	0.00	0.00	0.00	73
Atsbi	6.52	78.26	1.09	4.35	0.00	0.00	2.17	3.26	2.17	2.17	0.00	92
Raya Chercher	1.94	78.06	0.00	1.29	1.29	0.00	10.32	4.52	0.00	2.58	0.00	155
Tahtay maichew	2.91	77.18	0.49	1.46	0.00	0.00	12.62	4.37	0.49	0.49	0.00	206
Bizet	3.61	77.11	0.00	14.46	1.20	0.00	0.00	2.41	0.00	1.20	0.00	83
Wereda Adwa	7.14	76.53	1.02	5.10	2.04	0.00	2.04	3.06	1.02	2.04	0.00	98
Ahsea	0.00	75.41	0.00	12.30	0.00	0.00	8.20	4.10	0.00	0.00	0.00	122
Adi Haki	0.00	74.65	0.00	7.04	2.82	0.00	1.41	9.86	0.00	4.23	0.00	71
Semen	2.35	72.94	1.18	17.65	1.18	0.00	0.00	4.71	0.00	0.00	0.00	85
Tsimbila	5.93	72.88	1.69	5.08	3.39	0.00	5.08	2.54	0.00	3.39	0.00	118
Maichew	11.11	72.22	8.33	5.56	2.78	0.00	0.00	0.00	0.00	0.00	0.00	36
Sheraro	0.98	70.59	0.00	13.73	0.98	0.00	10.78	1.96	0.00	0.98	0.00	102

Socio-demographic characteristics	Traditional Healer	Doctor	Dentist	Nurse	Medical Assistant	Midwife	Pharmacist	No One	Maytsebel	Don't know	Other	Number
Shire Endaselassie	4.69	70.31	1.56	10.94	3.13	0.00	3.13	6.25	0.00	0.00	0.00	64
Laelay koraro	1.49	70.15	0.75	19.40	0.00	0.00	3.73	4.48	0.00	0.00	0.00	134
Raya Azebo	9.59	69.86	1.37	2.74	2.74	0.00	5.48	8.22	0.00	0.00	0.00	73
Hawelti	1.82	69.09	1.82	18.18	1.82	0.00	5.45	1.82	0.00	0.00	0.00	55
Mekoni town	3.28	67.21	0.00	13.11	0.00	0.00	13.93	1.64	0.00	0.82	0.00	122
Hadnet	4.00	67.20	0.00	18.40	0.00	0.00	4.00	4.80	0.80	0.00	0.80	125
Endabatsehama	9.76	67.07	1.22	3.66	12.20	0.00	0.00	2.44	2.44	1.22	0.00	82
Ganta afeshum	11.83	66.67	0.00	1.08	17.20	0.00	1.08	1.08	1.08	0.00	0.00	93
Ayder	3.61	66.27	1.20	8.43	0.00	0.00	7.23	12.05	1.20	0.00	0.00	83
Hagereselam	10.17	66.10	0.00	15.25	5.08	0.00	0.00	3.39	0.00	0.00	0.00	59
Hawzen	8.70	65.22	0.00	8.70	0.00	0.00	8.70	8.70	0.00	0.00	0.00	23
Kilte Awlaelo	1.59	65.08	0.00	6.35	0.00	0.00	0.00	22.22	0.00	4.76	0.00	63
Bora	13.16	64.47	1.32	10.53	0.00	1.32	2.63	6.58	0.00	0.00	0.00	76
Adigudem	2.00	64.00	4.00	16.00	2.00	0.00	8.00	2.00	0.00	2.00	0.00	50
Quiha	1.33	64.00	1.33	9.33	0.00	1.33	18.67	4.00	0.00	0.00	0.00	75
Edaga hamus	1.14	63.43	0.57	0.57	22.86	0.00	4.00	1.14	5.71	0.57	0.00	175
Wereda Hawzen	5.19	62.96	0.00	14.81	0.00	0.00	3.70	9.63	2.96	0.74	0.00	135
Maekel Adyabo	20.29	62.32	0.00	1.45	4.35	0.00	7.25	4.35	0.00	0.00	0.00	69
Freweini town	2.79	58.66	0.56	3.35	1.68	0.00	7.82	19.55	2.79	1.68	1.12	179
Subha sasei	2.21	58.09	0.74	5.15	21.32	0.00	8.09	4.41	0.00	0.00	0.00	136
Atsbi town	0.00	57.89	0.00	31.58	2.63	2.63	0.00	0.00	5.26	0.00	0.00	38
Endabguna	3.85	57.69	0.00	19.23	5.77	0.00	7.69	0.00	0.00	0.00	5.77	52
Erob	11.61	56.25	0.89	28.57	0.89	0.89	0.00	0.00	0.00	0.89	0.00	112

Socio-demographic characteristics	Traditional Healer	Doctor	Dentist	Nurse	Medical Assistant	Midwife	Pharmacist	No One	Maytsebel	Don't know	Other	Number
Embasineyti	3.80	55.06	0.63	21.20	9.81	0.00	6.01	1.27	2.22	0.00	0.00	316
Adet	6.82	54.55	2.27	14.77	6.82	1.14	2.27	1.14	0.00	10.23	0.00	88
Samre	11.43	54.29	1.43	26.43	0.71	0.00	3.57	2.14	0.00	0.00	0.00	140
tahtay Koraro	1.23	53.69	0.00	24.59	0.00	0.00	2.46	11.48	1.64	2.05	2.87	244
Seharti	1.37	52.05	1.37	17.81	10.96	1.37	1.37	10.96	0.00	2.74	0.00	73
Kola temben	2.63	50.00	0.00	36.84	5.26	0.00	2.63	1.32	0.00	1.32	0.00	76
Emba Alaje	0.00	50.00	0.00	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6
Ahferom	9.94	49.69	0.00	13.66	6.21	0.00	0.00	16.15	0.00	2.48	1.86	161
Gulomekeda	13.89	48.61	0.00	23.61	0.00	0.00	1.39	6.94	2.78	2.78	0.00	72
Neqsege	5.26	47.37	0.00	26.32	0.00	0.00	5.26	5.26	5.26	5.26	0.00	19
Laelay Maichew	0.62	47.20	0.00	38.51	1.86	0.00	6.21	4.97	0.00	0.62	0.00	161
Tsirae wemberta	3.70	46.91	1.23	23.46	1.23	0.00	3.70	14.81	2.47	1.23	1.23	81
Hintalo	1.23	45.40	0.61	44.17	3.07	0.00	0.00	3.68	0.00	1.84	0.00	163
Enderta	6.85	43.84	0.00	17.81	27.40	0.00	0.00	2.74	0.00	1.37	0.00	73
Selewa	0.00	43.01	0.00	51.61	5.38	0.00	0.00	0.00	0.00	0.00	0.00	93
Tahtay Adyabo	1.97	42.76	0.33	44.41	1.64	0.00	7.24	0.99	0.00	0.66	0.00	304
Chila	4.92	42.62	0.00	39.34	1.64	0.00	0.00	4.92	1.64	4.92	0.00	61
Enda mekoni	3.03	42.42	9.09	30.30	0.00	0.00	6.06	9.09	0.00	0.00	0.00	66
Tanqua milash	2.06	41.24	1.03	29.90	3.09	0.00	5.15	15.46	0.00	2.06	0.00	97
Tsaeda Emab	5.37	40.94	1.34	6.04	0.67	0.00	12.08	14.77	0.67	16.11	2.01	149
Zana	4.05	40.49	0.00	22.67	4.05	0.00	4.05	23.89	0.00	0.81	0.00	247
Keyih tekli	0.00	39.78	0.00	47.31	5.38	0.00	0.00	6.45	0.00	1.08	0.00	93
Asgede	4.94	39.48	0.43	0.64	16.52	0.00	35.62	1.07	0.43	0.86	0.00	466

Socio-demographic characteristics	Traditional Healer	Doctor	Dentist	Nurse	Medical Assistant	Midwife	Pharmacist	No One	Maytsebel	Don't know	Other	Number
Rama	4.92	38.52	0.00	17.21	4.10	0.00	16.39	17.21	0.00	1.64	0.00	122
Degua temben	4.93	37.32	1.41	28.17	10.56	0.70	1.41	13.38	2.11	0.00	0.00	142
Egela	3.09	36.42	0.00	25.31	3.70	0.00	15.43	13.58	1.85	0.62	0.00	162
Mai kinetal	5.02	35.91	0.00	1.54	13.51	0.39	4.25	22.39	2.70	14.29	0.00	259
Gerealta	6.02	34.94	1.20	15.66	12.05	0.00	1.20	25.30	0.00	3.61	0.00	83
Hahayle	0.00	31.86	0.00	26.55	7.96	0.00	5.31	25.66	1.77	0.88	0.00	113
Aidaero	14.41	29.66	3.39	25.42	16.95	0.00	3.39	6.78	0.00	0.00	0.00	118
Seymti Adyabo	5.81	29.07	4.65	6.98	34.88	1.16	9.30	4.65	2.33	1.16	0.00	86
Abegele	6.42	29.06	0.75	19.25	12.45	0.00	4.53	27.17	0.00	0.38	0.00	265
Wajirat	0.99	25.74	0.00	23.76	0.50	0.50	28.22	18.81	0.50	0.50	0.50	202
Abiadi	1.83	22.02	0.92	2.75	68.81	1.83	0.92	0.00	0.92	0.00	0.00	109
IDP	9.55	70.85	0.50	10.55	2.01	0.00	4.02	0.00	0.00	2.01	0.50	199
Total	4.43	54.87	0.69	15.92	6.37	0.16	7.01	7.79	0.82	1.67	0.27	9,021

Table 4.6a: Place of health facility or traditional healer received or consulted for medical assistance primarily, TSES, 2024 G.C.

Socio-demographic characteristics	Hospital	Health Center	Health Post	Clinics	Pharmacy	Traditional Healer	Patient Home	Maytselot	Other	Unweighted number
Regional	44.86	29.25	4.47	6.58	9.80	2.67	1.19	0.76	0.41	8,119
Age group										
0-4	34.88	38.94	5.87	6.43	10.84	2.03	0.56	0.23	0.23	886
5-17	35.43	33.94	5.60	6.41	13.50	2.77	1.28	0.74	0.34	1,482
18-59	47.60	26.97	4.13	7.07	8.96	3.01	1.00	0.84	0.42	4,286
≥60	52.42	25.32	3.48	5.39	7.92	1.98	2.05	0.89	0.55	1,465
Sex										
Male	44.44	30.82	4.60	5.78	9.52	2.74	0.95	0.63	0.53	3,981
Female	45.26	27.74	4.35	7.35	10.08	2.61	1.43	0.89	0.29	4,138
Residence										
urban	54.52	19.08	0.93	11.54	9.71	1.90	0.75	0.97	0.60	2,678
Rural	40.10	34.26	6.21	4.14	9.85	3.05	1.42	0.66	0.31	5,441
Zone										
North Western	30.44	33.79	7.13	7.13	16.02	3.25	0.85	0.32	1.06	1,879
Central	48.73	32.39	4.23	3.96	6.28	2.36	1.23	0.71	0.11	2,674
Eastern	53.00	21.35	2.69	7.88	8.22	2.83	1.89	1.75	0.40	1,485
South East	41.68	34.99	7.17	4.13	7.90	1.94	1.46	0.73	0.00	823
Mekelle	59.15	10.95	1.25	15.18	9.55	2.50	0.16	0.63	0.63	639
Southern	41.84	32.15	1.45	7.43	12.76	3.07	1.13	0.16	0.00	619
Household head										

Socio-demographic characteristics	Hospital	Health Center	Health Post	Clinics	Pharmacy	Traditional Healer	Patient Home	Maytselot	Other	Unweighted number
litracy										
No education	47.60	27.75	5.09	5.38	8.98	2.86	1.66	0.29	0.40	1,748
Primary education	48.97	28.02	4.11	5.66	9.38	1.93	0.51	1.03	0.39	778
Secondary education	49.86	22.19	1.15	12.97	8.65	1.73	1.44	1.15	0.86	347
Taritiary education	64.71	10.00	0.00	16.47	5.88	1.76	0.59	0.00	0.59	170
Total	49.16	26.19	4.11	6.93	8.87	2.43	1.28	0.56	0.46	3,043
Woreda										
Axum town	84.73	1.53	0.00	12.98	0.00	0.00	0.76	0.00	0.00	131
Hagereselam	77.19	12.28	0.00	1.75	0.00	7.02	1.75	0.00	0.00	57
Tahtay maichew	76.65	4.06	0.51	3.05	14.21	0.51	0.00	1.02	0.00	197
Enticho town	76.62	5.19	1.30	7.79	5.19	1.30	1.30	1.30	0.00	77
Adwa town	75.00	13.64	2.27	2.27	5.68	1.14	0.00	0.00	0.00	88
Endabatsehama	73.75	13.75	6.25	0.00	1.25	3.75	1.25	0.00	0.00	80
Maichew	72.22	8.33	0.00	11.11	0.00	5.56	0.00	2.78	0.00	36
Adigrat	72.00	16.00	1.33	9.33	0.00	0.00	0.00	1.33	0.00	75
Semen	71.60	3.70	1.23	18.52	1.23	2.47	0.00	1.23	0.00	81
Wukro	70.59	5.88	0.00	14.71	5.88	0.00	2.94	0.00	0.00	34
Atsbi town	68.42	2.63	0.00	23.68	0.00	0.00	2.63	2.63	0.00	38
Kedamay Weyane	68.18	6.82	0.57	10.80	7.95	3.41	0.57	0.57	1.14	176
Degua temben	67.48	17.89	6.50	0.00	2.44	3.25	0.81	1.63	0.00	123
Hawzen	66.67	9.52	0.00	14.29	9.52	0.00	0.00	0.00	0.00	21
Hawelti	66.67	18.52	0.00	7.41	5.56	1.85	0.00	0.00	0.00	54

Socio-demographic characteristics	Hospital	Health Center	Health Post	Clinics	Pharmacy	Traditional Healer	Patient Home	Maytselot	Other	Unweighted number
Quiha	65.28	5.56	1.39	2.78	23.61	1.39	0.00	0.00	0.00	72
Wereda Hawzen	64.75	14.75	0.82	1.64	8.20	3.28	2.46	4.10	0.00	122
Freweini town	64.58	2.08	0.00	15.97	8.33	0.69	3.47	3.47	1.39	144
Ahferom	64.44	8.89	10.37	5.93	0.00	7.41	2.96	0.00	0.00	135
Adigudem	63.27	18.37	0.00	10.20	8.16	0.00	0.00	0.00	0.00	49
Tsaeda Emab	62.20	7.87	5.51	5.51	14.17	3.94	0.79	0.00	0.00	127
Wereda Adwa	62.11	21.05	1.05	9.47	2.11	2.11	1.05	1.05	0.00	95
Erob	58.93	34.82	0.89	0.00	0.00	2.68	1.79	0.89	0.00	112
Laelay koraro	58.59	26.56	7.03	1.56	3.13	1.56	0.78	0.00	0.78	128
Kilte Awlaelo	57.14	26.53	2.04	4.08	6.12	2.04	2.04	0.00	0.00	49
Rama	55.45	6.93	12.87	0.99	16.83	5.94	0.00	0.99	0.00	101
Tsirae wemberta	55.07	23.19	7.25	0.00	8.70	2.90	0.00	0.00	2.90	69
Bora	54.93	29.58	4.23	1.41	1.41	8.45	0.00	0.00	0.00	71
Mekoni town	53.33	10.83	0.00	18.33	15.83	1.67	0.00	0.00	0.00	120
Gerealta	53.23	32.26	0.00	3.23	1.61	3.23	4.84	1.61	0.00	62
Atsbi	52.81	6.74	4.49	21.35	5.62	4.49	0.00	3.37	1.12	89
Adi Haki	51.56	10.94	6.25	15.63	14.06	0.00	0.00	0.00	1.56	64
Maekel Adyabo	50.00	19.70	1.52	21.21	7.58	0.00	0.00	0.00	0.00	66
Emba Alaje	50.00	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6
Abegele	49.22	34.72	4.66	0.00	6.22	2.07	2.07	1.04	0.00	193
Raya Azebo	47.76	23.88	1.49	10.45	7.46	7.46	1.49	0.00	0.00	67
Subha sasei	46.92	33.08	3.08	3.08	10.77	2.31	0.77	0.00	0.00	130
Kola temben	45.33	48.00	1.33	1.33	2.67	1.33	0.00	0.00	0.00	75

Socio-demographic characteristics	Hospital	Health Center	Health Post	Clinics	Pharmacy	Traditional Healer	Patient Home	Maytselot	Other	Unweighted number
Gulomekeda	44.78	28.36	2.99	5.97	1.49	11.94	4.48	0.00	0.00	67
Hadnet	44.54	18.49	0.84	23.53	7.56	3.36	0.00	0.84	0.84	119
tahtay Koraro	44.44	38.43	0.93	4.17	2.78	0.93	1.39	1.85	5.09	216
Egela	44.29	27.86	2.14	1.43	18.57	2.14	0.71	2.86	0.00	140
Embasineyti	43.27	26.92	5.45	10.90	7.05	3.53	1.92	0.32	0.64	312
Ayder	42.47	16.44	0.00	26.03	10.96	2.74	0.00	1.37	0.00	73
Samre	42.34	43.07	3.65	3.65	0.73	2.19	2.19	2.19	0.00	137
Tsimbila	41.74	23.48	2.61	4.35	18.26	8.70	0.87	0.00	0.00	115
Enda mekoni	41.67	43.33	3.33	1.67	6.67	1.67	1.67	0.00	0.00	60
Ganta afeshum	40.22	21.74	11.96	17.39	2.17	3.26	2.17	1.09	0.00	92
Neqsege	38.89	33.33	11.11	11.11	0.00	0.00	5.56	0.00	0.00	18
Hahayle	38.10	47.62	1.19	1.19	8.33	1.19	0.00	1.19	1.19	84
Laelay Maichew	36.60	47.06	1.96	7.19	6.54	0.00	0.65	0.00	0.00	153
Mai kinetal	36.32	44.28	3.98	1.99	4.98	1.99	3.48	2.99	0.00	201
Tanqua milash	35.37	53.66	2.44	0.00	4.88	1.22	2.44	0.00	0.00	82
Edaga hamus	35.26	21.97	1.16	6.94	25.43	2.31	1.73	4.62	0.58	173
Hintalo	34.39	40.13	17.20	7.01	0.00	0.00	1.27	0.00	0.00	157
Shire Endaselassie	33.33	23.33	1.67	31.67	5.00	5.00	0.00	0.00	0.00	60
Abiadi	33.03	59.63	3.67	0.92	0.00	1.83	0.92	0.00	0.00	109
Neader	30.56	51.39	8.33	1.39	0.00	8.33	0.00	0.00	0.00	72
Adet	29.89	55.17	6.90	0.00	3.45	4.60	0.00	0.00	0.00	87
Wajirat	28.66	35.37	0.00	0.61	33.54	0.61	1.22	0.00	0.00	164
Asgede	28.42	11.71	12.36	5.86	36.88	4.12	0.22	0.00	0.43	461

Socio-demographic characteristics	Hospital	Health Center	Health Post	Clinics	Pharmacy	Traditional Healer	Patient Home	Maytselot	Other	Unweighted number
Aidaero	28.18	50.00	3.64	3.64	4.55	7.27	2.73	0.00	0.00	110
Seymti Adyabo	28.05	53.66	0.00	0.00	7.32	6.10	2.44	2.44	0.00	82
Chila	27.59	62.07	0.00	0.00	1.72	3.45	5.17	0.00	0.00	58
Raya Chercher	26.35	29.05	0.00	6.08	33.78	2.03	2.70	0.00	0.00	148
Selewa	25.81	73.12	1.08	0.00	0.00	0.00	0.00	0.00	0.00	93
Enderta	23.94	43.66	9.86	15.49	0.00	5.63	0.00	1.41	0.00	71
Endabguna	23.08	34.62	3.85	17.31	9.62	3.85	1.92	0.00	5.77	52
Sheraro	22.00	22.00	0.00	35.00	17.00	0.00	1.00	0.00	3.00	100
Bizet	20.99	67.90	1.23	2.47	2.47	2.47	2.47	0.00	0.00	81
Ahsea	20.51	58.12	9.40	0.00	11.97	0.00	0.00	0.00	0.00	117
Tahtay Adyabo	17.28	44.85	17.28	2.33	15.28	2.33	0.66	0.00	0.00	301
Keyih tekli	17.24	74.71	5.75	2.30	0.00	0.00	0.00	0.00	0.00	87
Zana	15.43	72.34	1.60	1.60	6.91	1.60	0.53	0.00	0.00	188
Seharti	13.85	60.00	18.46	0.00	3.08	0.00	4.62	0.00	0.00	65
IDP	47.74	16.08	16.58	5.03	5.53	1.01	0.00	3.52	4.52	199
Total	44.93	28.94	4.76	6.54	9.70	2.63	1.17	0.83	0.50	8,318

Table 4.8a: Main reason for not consulting a healthcare provider or traditional healer, TSES, 2024 G.C

Socio-demographic characteristics	Lack of money	Expensiveness	Too far	Not believing medicine	Lack of professional	Poor quality	No need of medicine	Other	Unweighted number
Regional	74.82	1.00	11.81	3.27	1.00	1.71	4.69	1.71	703
Age group									
0-4	73.33	0.00	15.56	2.22	0.00	0.00	8.89	0.00	45
5-17	72.66	0.78	11.72	0.78	1.56	3.91	7.81	0.78	128
18-59	76.90	1.52	10.33	3.04	0.91	1.52	3.95	1.82	329
≥	73.13	0.50	13.43	5.47	1.00	1.00	2.99	2.49	201
Sex									
Male	73.53	0.98	11.11	2.94	0.65	2.29	6.86	1.63	306
Female	75.82	1.01	12.34	3.53	1.26	1.26	3.02	1.76	397
Residence									
urban	83.85	1.54	0.00	3.08	3.08	0.77	6.92	0.77	130
Rural	72.77	0.87	14.49	3.32	0.52	1.92	4.19	1.92	573
Zone									
North Western	65.60	0.80	20.00	2.40	0.00	1.60	5.60	4.00	125
Central	72.60	1.03	16.10	2.40	0.68	2.74	3.42	1.03	292
Eastern	80.14	0.71	4.96	5.67	0.71	0.00	5.67	2.13	141
South East	84.81	1.27	2.53	3.80	2.53	2.53	2.53	0.00	79
Mekelle	82.05	2.56	0.00	2.56	5.13	0.00	5.13	2.56	39
Southern	74.07	0.00	7.41	3.70	0.00	0.00	14.81	0.00	27
Total	74.82	1.00	11.81	3.27	1.00	1.71	4.69	1.71	703
Household head litracy									

Socio-demographic characteristics	Lack of money	Expensiveness	Too far	Not believing medicine	Lack of professional	Poor quality	No need of medicine	Other	Unweighted number
No education	77.92	0.00	12.08	3.75	0.42	0.42	3.75	1.67	240
Primary education	78.13	1.56	9.38	0.00	3.13	1.56	4.69	1.56	64
Secondary education	68.00	0.00	4.00	4.00	4.00	0.00	16.00	4.00	25
Taritiary education	90.00	0.00	0.00	0.00	0.00	10.00	0.00	0.00	10
Total	77.58	0.29	10.62	2.95	1.18	0.88	4.72	1.77	339

Table 4.9a. Consultation to illness or any medical assistance or traditional healers during the past 12 months, TSES, 2024 G.C

Socio-demographic characteristics	Consultation to illness by Sex and Age category										Consultation to illness by age					
	Male					Female										
	0-4	5-17	18-59	≥60	Total	0-4	5-17	18-59	≥60	Total	0-4	5-17	18-59	≥60	Total	Unweighted Number
Regional	19.13	12.84	23.20	41.19	20.81	17.60	11.39	29.08	40.90	23.43	18.40	12.13	26.34	41.04	22.15	126,471
Residence																
Urban	23.08	14.37	21.95	44.79	21.26	21.41	13.79	30.81	46.90	26.68	22.27	14.08	26.96	46.05	24.18	43,767
Rural	16.80	12.21	23.90	40.13	20.59	15.30	10.33	27.89	37.88	21.56	16.08	11.31	25.95	39.08	21.07	82,704
Zone																
North Western	22.79	18.11	25.77	41.25	24.30	23.95	15.00	31.72	44.96	26.97	23.35	16.60	28.88	43.08	25.64	19,857
Central	18.76	14.63	26.93	45.83	23.57	16.84	12.70	31.69	45.29	25.28	17.82	13.69	29.41	45.56	24.43	38,163
Eastern	20.70	11.33	21.54	40.84	19.87	19.68	10.49	28.84	37.76	23.20	20.22	10.93	25.56	39.25	21.58	27,238
South East	15.09	8.79	18.23	32.06	15.64	12.34	7.56	24.71	31.58	18.10	13.75	8.19	21.67	31.83	16.88	14,777
Mekelle	19.33	12.52	19.48	42.77	19.00	16.37	10.98	26.33	42.83	22.77	17.86	11.74	23.33	42.80	21.04	11,975
Southern	17.00	8.70	20.58	36.62	17.19	15.04	9.15	26.09	36.68	20.11	16.10	8.91	23.49	36.65	18.64	14,461

Socio-demographic characteristics	Consultation to illness by Sex and Age category										Consultation to illness by age					
	Male					Female										
	0-4	5-17	18-59	≥60	Total	0-4	5-17	18-59	≥60	Total	0-4	5-17	18-59	≥60	Total	Unweighted Number
Household head literacy																
No education	0.00	0.00	27.90	38.77	32.38	0.00	20.00	36.07	43.78	39.77	0.00	20.00	30.87	40.93	35.28	15,853
Primary education	0.00	22.22	36.80	51.24	39.04	0.00	23.53	37.81	47.77	38.53	0.00	23.08	37.07	50.70	38.91	7,250
Secondary education	0.00	0.00	33.26	46.67	33.80	0.00	75.00	32.32	53.57	32.85	0.00	60.00	32.95	47.97	33.49	4,363
Tertiary education	0.00	0.00	36.12	54.95	37.17	0.00	0.00	40.00	47.62	40.27	0.00	0.00	37.18	53.57	38.00	2,195
Total	0.00	18.18	32.58	41.36	34.83	0.00	30.77	36.05	44.08	38.58	0.00	27.03	33.69	42.42	36.10	29,661
Wereda																
Asgede	35.80	36.86	47.70	76.81	45.40	35.71	28.78	60.60	84.21	48.83	35.76	32.84	53.78	80.16	47.04	1,603
Mai kinetal	27.68	24.92	45.36	63.75	37.61	20.17	23.49	49.13	63.53	37.96	23.81	24.21	47.26	63.64	37.79	1,834
Tahtay Adyabo	36.25	31.40	36.93	57.89	36.35	32.05	31.42	40.63	44.07	36.87	34.18	31.41	38.82	50.86	36.61	1,677
Freweini town	46.15	23.71	36.41	58.33	34.69	51.46	16.84	41.27	54.76	36.93	48.79	20.31	39.45	56.06	35.95	1,235
Rama	27.66	27.27	36.16	50.00	33.33	32.61	27.14	39.78	60.87	37.38	30.11	27.21	38.07	55.91	35.39	1,407
Abegele	29.33	26.84	39.24	60.00	34.85	34.23	21.43	40.48	47.92	33.47	31.77	24.30	39.89	55.47	34.17	2,028
Endabguna	29.69	26.11	29.89	47.22	29.92	38.10	20.25	41.16	56.90	37.23	33.86	23.17	36.46	53.19	33.98	1,186
Shire Endaselassie	32.41	22.30	28.61	67.44	29.08	37.50	23.64	41.56	63.51	37.85	35.00	22.98	36.21	64.96	33.96	1,820
Embasineyti	30.51	25.94	37.37	50.00	33.86	28.57	19.35	39.95	47.13	32.63	29.63	22.57	38.68	48.45	33.23	1,682
Maichew	39.58	18.37	30.64	36.73	28.86	34.15	24.39	41.84	46.58	36.98	37.08	21.45	36.78	42.62	33.18	1,495
Tsirae wemberta	37.21	34.35	30.03	36.71	33.07	35.48	27.55	32.04	47.87	32.73	36.49	31.13	31.08	42.77	32.90	1,784

Socio-demographic characteristics	Consultation to illness by Sex and Age category										Consultation to illness by age					
	Male					Female										
	0-4	5-17	18-59	≥60	Total	0-4	5-17	18-59	≥60	Total	0-4	5-17	18-59	≥60	Total	Unweighted Number
Enticho town	37.50	15.05	28.90	60.78	28.45	22.67	17.49	42.56	53.85	34.99	30.32	16.26	37.00	56.90	32.04	1,286
Mekoni town	30.59	11.93	30.29	44.74	25.91	22.22	11.61	42.53	63.64	33.93	26.75	11.78	36.79	54.88	29.96	1,225
Zana	37.89	23.75	35.04	36.08	31.99	35.90	13.99	31.47	41.46	27.76	36.99	19.05	33.17	38.55	29.89	1,676
tahtay Koraro	27.78	25.72	26.96	39.81	28.19	31.37	20.36	33.26	48.98	30.89	29.69	23.05	30.18	44.17	29.56	1,837
Edaga hamus	29.55	16.39	33.45	63.64	27.66	26.47	14.85	37.84	60.00	31.09	28.21	15.63	36.03	61.11	29.51	1,464
Hadnet	34.83	17.31	25.88	56.00	26.53	23.81	15.96	35.38	58.75	31.66	28.87	16.63	31.04	57.69	29.30	1,734
Subha sasei	28.46	16.35	33.43	51.58	28.68	21.30	15.10	39.95	45.63	29.64	25.21	15.69	36.96	48.48	29.19	1,881
Hawzen	30.43	18.54	31.14	36.36	27.43	28.70	14.04	34.63	41.82	29.20	29.47	16.33	33.12	39.77	28.40	1,278
Gerealta	28.68	12.43	32.27	51.76	25.90	25.95	14.62	43.85	49.15	30.80	27.34	13.51	38.42	50.69	28.35	1,841
Raya Chercher	24.44	14.18	29.94	53.85	26.02	21.25	16.99	35.52	54.41	29.50	22.94	15.54	32.94	54.11	27.78	1,530
Endabatsehama	16.94	13.71	32.25	60.81	25.79	15.04	14.63	38.11	55.56	29.00	16.03	14.15	35.48	58.39	27.43	1,812
Tahtay maichew	20.41	17.34	31.46	46.67	26.95	23.71	13.94	30.73	59.72	27.35	22.05	15.71	31.09	53.06	27.15	1,665
Ahferom	16.83	13.71	29.30	50.00	25.24	13.21	13.94	34.45	48.12	27.58	14.98	13.82	31.89	49.01	26.41	2,090
Kedamay Weyane	29.49	24.28	22.00	46.34	24.86	18.18	17.65	28.63	42.39	26.99	23.87	20.99	25.74	43.61	26.03	1,548
Keyih tekli	19.75	15.93	34.38	46.97	26.41	18.40	12.54	34.08	47.27	24.85	19.15	14.21	34.23	47.11	25.64	1,708
Wereda Adwa	14.66	16.53	25.48	49.56	23.80	12.75	13.53	34.93	45.74	26.55	13.76	15.10	30.03	47.83	25.11	2,139
Kola temben	22.14	13.92	32.01	45.45	25.96	11.86	10.03	33.63	40.00	23.57	17.27	11.97	32.84	43.04	24.77	1,922
Egela	20.62	14.43	26.18	46.03	22.37	16.13	9.65	38.42	50.85	26.22	18.42	11.99	33.28	48.36	24.43	1,576
Laelay Maichew	21.11	12.59	26.24	46.40	24.28	24.24	9.92	30.52	35.29	24.30	22.75	11.34	28.28	41.41	24.29	1,799
Degua temben	21.43	16.23	28.61	38.78	23.74	18.90	12.50	34.29	41.56	24.86	20.22	14.48	31.57	40.00	24.29	1,898

Socio-demographic characteristics	Consultation to illness by Sex and Age category										Consultation to illness by age					
	Male					Female										
	0-4	5-17	18-59	≥60	Total	0-4	5-17	18-59	≥60	Total	0-4	5-17	18-59	≥60	Total	Unweighted Number
Erob	10.64	12.00	22.63	66.67	21.98	24.05	8.50	32.68	49.32	25.93	16.76	10.26	28.20	58.11	24.03	1,552
Ayder	11.61	17.41	26.46	54.55	23.72	16.51	12.13	28.68	46.77	24.16	14.03	14.69	27.72	50.43	23.96	1,703
Abiadi	20.00	15.76	19.56	42.31	20.32	12.63	12.07	31.85	41.43	25.85	16.00	13.97	26.20	41.80	23.25	1,445
Ahsea	15.60	9.18	29.00	46.67	21.79	12.00	7.14	32.79	48.35	24.58	13.88	8.32	30.88	47.59	23.12	1,639
Laelay koraro	17.86	15.16	24.17	42.34	22.62	13.95	11.87	28.44	40.38	23.30	16.16	13.61	26.32	41.40	22.95	1,852
Wajirat	23.46	12.42	27.51	35.23	22.17	16.88	10.87	28.89	33.77	22.22	20.25	11.69	28.26	34.55	22.20	1,649
Adigudem	24.44	11.98	16.96	52.50	19.32	12.61	14.35	27.61	42.86	23.34	19.11	13.30	22.95	46.60	21.51	1,492
Bizet	18.42	6.78	21.00	41.11	18.52	19.67	5.56	32.49	33.04	24.18	18.98	6.22	27.22	36.59	21.40	1,430
Atsbi town	17.29	9.01	18.11	32.26	15.51	19.47	11.68	34.81	54.55	26.81	18.29	10.26	27.75	43.75	21.39	1,356
Ganta afeshum	12.36	5.24	18.89	60.00	18.50	5.49	8.00	28.90	51.85	23.35	8.89	6.58	24.33	55.67	21.02	1,689
Tanqua milash	12.50	13.74	20.70	39.29	18.85	19.66	11.90	29.43	34.92	22.88	16.16	12.89	25.24	37.41	20.83	1,848
Adi Haki	20.29	10.04	17.81	28.57	16.05	24.59	11.68	26.92	33.33	22.70	22.31	10.85	22.96	31.51	19.59	1,853
Axum town	11.11	7.28	17.33	53.13	16.94	7.23	10.09	22.34	54.55	20.94	9.15	8.76	20.12	53.95	19.12	1,595
Aidaero	15.56	9.23	21.39	32.88	17.30	19.19	5.70	25.92	38.57	20.05	17.46	7.65	23.75	35.66	18.66	1,758
Tsaeda Emab	20.79	7.56	17.19	40.35	16.85	13.73	9.62	25.19	37.23	20.42	17.24	8.44	21.47	38.94	18.58	1,765
Adwa town	12.00	9.14	14.81	44.00	14.89	6.25	11.85	23.48	50.00	21.63	9.44	10.54	19.54	47.76	18.49	1,628
Neader	5.05	7.04	25.48	35.00	18.04	5.43	7.57	26.22	33.02	18.35	5.24	7.31	25.85	33.98	18.20	1,720
Hahayle	10.43	7.12	20.00	44.32	16.80	5.77	7.07	24.64	48.00	18.86	8.22	7.10	22.42	46.01	17.83	1,957
Maekel Adyabo	9.68	9.62	20.05	40.74	17.59	5.63	8.24	23.20	31.48	18.04	7.52	8.97	21.65	36.11	17.81	1,370
Hagereselam	5.88	6.04	18.28	44.19	14.60	16.67	5.14	25.42	32.79	19.79	11.04	5.60	22.29	37.50	17.37	1,261
Quiha	19.47	5.26	14.10	35.48	14.44	14.95	6.45	24.75	35.09	19.75	17.27	5.90	20.20	35.29	17.33	1,627

Socio-demographic characteristics	Consultation to illness by Sex and Age category										Consultation to illness by age					
	Male					Female										
	0-4	5-17	18-59	≥60	Total	0-4	5-17	18-59	≥60	Total	0-4	5-17	18-59	≥60	Total	Unweighted Number
Hintalo	22.63	10.00	17.37	33.70	16.61	13.51	7.29	24.23	30.26	17.77	18.55	8.71	20.98	32.14	17.18	2,264
Raya Azebo	20.37	7.41	19.16	40.30	16.40	14.43	7.06	23.70	39.53	17.49	17.56	7.24	21.53	40.00	16.94	1,842
Bora	10.26	7.92	21.91	33.96	16.35	8.33	4.91	25.66	20.00	16.47	9.45	6.47	23.84	28.41	16.41	1,420
Hawelti	16.96	7.69	17.22	35.29	15.65	14.15	8.20	18.83	43.10	16.99	15.60	7.97	18.17	39.45	16.40	1,756
Atsbi	13.27	4.65	17.88	43.24	15.44	9.76	4.29	22.31	31.31	16.22	11.79	4.49	20.19	37.62	15.81	1,777
Selewa	16.96	7.25	15.80	43.53	15.42	14.40	5.79	23.67	25.71	16.21	15.61	6.54	19.78	35.48	15.81	1,777
Adigrat	14.55	8.17	12.47	54.76	13.93	12.77	7.59	19.59	32.63	17.26	13.73	7.87	16.37	39.42	15.73	1,659
Tsimbila	15.18	9.70	15.83	27.59	14.92	13.64	5.66	20.90	35.53	16.24	14.61	7.84	18.27	30.73	15.52	1,984
Semen	7.77	7.54	12.98	38.46	12.62	1.87	5.59	21.72	35.63	17.63	4.76	6.61	17.72	36.69	15.28	1,754
Gulomekeda	8.82	8.33	13.17	17.48	12.08	10.64	7.34	19.38	15.83	14.51	9.57	7.85	16.50	16.73	13.29	1,430
Enda mekoni	4.72	7.21	15.76	30.00	12.62	2.13	8.47	15.53	34.29	13.60	3.50	7.76	15.63	32.00	13.11	1,678
Wukro	9.85	6.91	12.25	34.48	11.21	5.00	3.88	19.91	35.29	14.59	7.54	5.33	16.76	35.00	13.08	1,460
Seharti	9.49	5.77	17.76	31.25	13.28	7.51	6.27	17.53	28.00	12.81	8.39	6.00	17.64	29.82	13.05	2,154
Sheraro	9.47	5.36	8.65	17.50	8.22	13.75	5.76	20.27	26.53	16.34	11.43	5.54	15.14	22.47	12.42	1,465
Enderta	7.80	3.87	13.49	18.84	9.52	12.50	4.22	24.35	19.05	15.11	10.18	4.05	19.20	18.94	12.40	2,033
Kilte Awlaelo	6.41	5.38	11.54	21.62	10.49	10.34	4.93	15.48	22.22	12.80	8.48	5.18	13.58	21.89	11.63	1,659
Wereda Hawzen	5.26	2.47	12.50	32.54	10.48	3.41	2.92	15.20	25.00	11.14	4.46	2.68	13.99	28.86	10.82	1,978
Neqsege	8.78	5.78	14.44	24.53	10.93	12.20	3.56	15.58	14.81	10.66	10.33	4.70	15.03	21.25	10.80	1,741
Adet	8.41	6.88	11.68	19.28	10.47	11.02	3.36	14.32	17.24	10.79	9.78	5.15	13.01	18.24	10.63	1,731
Seymti Adyabo	6.98	4.37	13.77	23.73	10.74	8.60	2.07	14.84	24.53	10.39	7.82	3.14	14.32	24.11	10.56	1,629
Samre	4.80	4.56	10.00	17.82	8.29	4.50	2.19	18.00	25.77	12.13	4.66	3.43	14.01	21.72	10.17	2,026

Socio-demographic characteristics	Consultation to illness by Sex and Age category										Consultation to illness by age					
	Male					Female										
	0-4	5-17	18-59	≥60	Total	0-4	5-17	18-59	≥60	Total	0-4	5-17	18-59	≥60	Total	Unweighted Number
Emba Alaje	8.73	4.28	11.41	14.81	8.68	11.11	5.58	14.02	17.24	11.27	9.66	4.87	12.77	16.07	9.93	1,753
Chila	7.50	3.82	11.68	18.39	9.23	6.17	1.95	9.62	23.68	8.20	6.83	2.94	10.59	20.86	8.72	1,652
IDP	21.59	16.93	35.13	57.14	25.55	22.07	16.70	39.90	60.00	29.05	21.81	16.82	37.90	58.33	27.36	2,526
Total	19.18	12.95	23.38	41.33	20.90	17.69	11.53	29.27	41.02	23.54	18.47	12.26	26.53	41.18	22.25	128,997

Table 4.11a. The presence of chronic illness, TSES, 2024 G.C

Socio-demographic characteristics	Presence of chronic illness by Sex and Age category										Presence of chronic illness by age					
	Male					Female										
	0-4	5-17	18-59	≥60	Total	0-4	5-17	18-59	≥60	Total	0-4	5-17	18-59	≥60	Total	Number
Regional	0.92	1.49	6.51	18.65	5.19	0.57	1.20	8.95	23.45	6.89	0.75	1.35	7.81	21.07	6.06	126,471
Residence																
Urban	0.84	1.62	6.91	29.26	5.82	0.58	1.09	9.50	30.57	7.98	0.71	1.36	8.37	30.05	6.98	43,767
Rural	0.96	1.44	6.28	15.53	4.88	0.57	1.25	8.57	19.86	6.26	0.77	1.35	7.46	17.55	5.56	82,704
Zone																
North Western	1.30	1.99	8.35	23.17	6.80	0.70	1.64	11.67	33.69	9.37	1.01	1.82	10.08	28.34	8.09	19,857
Central	1.23	1.83	6.80	19.83	5.66	0.53	1.39	9.58	25.20	7.39	0.89	1.61	8.25	22.51	6.53	38,163
Eastern	0.55	1.41	6.34	15.40	4.75	0.68	1.24	8.70	18.13	6.49	0.61	1.33	7.64	16.81	5.65	27,238
South East	0.41	0.73	4.12	11.00	3.01	0.54	0.78	6.16	14.26	4.34	0.47	0.75	5.21	12.58	3.68	14,777
Mekelle	1.07	1.14	6.38	33.92	5.93	0.27	0.78	8.30	30.35	7.24	0.68	0.95	7.46	31.83	6.64	11,975
Southern	0.81	1.15	5.76	14.90	4.18	0.60	0.83	7.26	19.26	5.24	0.71	1.00	6.55	16.94	4.71	14,461

Socio-demographic characteristics	Presence of chronic illness by Sex and Age category										Presence of chronic illness by age					
	Male					Female										
	0-4	5-17	18-59	≥60	Total	0-4	5-17	18-59	≥60	Total	0-4	5-17	18-59	≥60	Total	Number
household heads literacy																
No education	0.00	0.00	9.09	16.42	12.11	0.00	20.00	18.89	25.16	21.91	0.00	20.00	12.65	20.18	15.96	15,853
Primary education	0.00	0.00	11.00	25.44	13.25	0.00	0.00	15.65	31.85	16.88	0.00	0.00	12.25	26.44	14.18	7,250
Secondary education	0.00	0.00	7.99	30.00	8.90	0.00	0.00	9.30	50.00	10.06	0.00	0.00	8.43	33.78	9.28	4,363
Tertiary education	0.00	0.00	8.57	39.56	10.32	0.00	0.00	10.27	33.33	11.09	0.00	0.00	9.03	38.39	10.52	2,195
Total	0.00	0.00	9.43	18.69	11.80	0.00	3.85	15.41	25.76	18.66	0.00	2.70	11.35	21.44	14.14	29,661
Wereda																
Tsimbila	0.89	2.16	7.71	21.55	6.58	0.00	0.31	7.87	31.58	6.63	0.56	1.31	7.78	25.52	6.60	1,984
Endabguna	1.56	1.91	8.12	33.33	7.20	1.59	1.27	11.08	56.90	11.85	1.57	1.59	9.85	47.87	9.78	1,186
Asgede	0.00	2.92	9.93	31.88	8.48	0.00	1.11	14.13	38.60	10.05	0.00	2.02	11.91	34.92	9.23	1,603
Tahtay Adyabo	1.25	2.05	10.80	22.81	7.61	0.00	4.05	17.55	38.98	12.72	0.63	3.06	14.25	31.03	10.20	1,677
Sheraro	0.00	1.34	3.75	22.50	3.54	1.25	1.57	9.79	36.73	8.56	0.57	1.45	7.12	30.34	6.14	1,465
Maekel Adyabo	3.23	2.88	8.52	18.52	7.12	2.82	4.95	9.33	33.33	9.38	3.01	3.85	8.93	25.93	8.25	1,370
Seymti Adyabo	2.33	0.79	5.19	16.95	4.35	0.00	0.34	8.76	16.98	5.43	1.12	0.55	7.04	16.96	4.91	1,629
Aidaero	2.22	1.23	8.96	12.33	5.73	0.00	2.28	9.40	28.57	7.72	1.06	1.70	9.19	20.28	6.71	1,758
tahtay Koraro	1.11	3.26	5.99	21.30	6.50	0.98	2.18	11.67	27.55	9.36	1.04	2.72	8.90	24.27	7.95	1,837
Shire Endaselassie	0.00	1.86	11.60	46.51	8.66	1.79	1.45	16.52	52.70	13.44	0.91	1.65	14.48	50.43	11.32	1,820
Zana	2.11	2.30	8.44	19.59	7.11	0.00	0.82	8.39	24.39	6.97	1.16	1.59	8.41	21.79	7.04	1,676
Laelay koraro	1.79	1.29	10.66	25.23	8.27	0.00	0.36	14.45	26.92	10.14	1.01	0.85	12.57	26.05	9.18	1,852

Socio-demographic characteristics	Presence of chronic illness by Sex and Age category										Presence of chronic illness by age					
	Male					Female										
	0-4	5-17	18-59	≥60	Total	0-4	5-17	18-59	≥60	Total	0-4	5-17	18-59	≥60	Total	Number
Chila	1.25	1.39	6.25	16.09	5.10	1.23	0.78	8.17	14.47	5.79	1.24	1.10	7.27	15.34	5.45	1,652
Tahtay maichew	1.02	4.80	6.65	24.00	6.95	0.00	1.99	9.51	29.17	7.83	0.51	3.45	8.11	26.53	7.39	1,665
Adet	0.00	1.45	6.60	7.23	4.19	0.00	0.75	5.28	24.14	5.05	0.00	1.10	5.93	15.88	4.62	1,731
Laelay Maichew	1.11	0.35	4.30	16.80	4.45	0.00	0.40	8.93	21.57	6.89	0.53	0.37	6.51	18.94	5.61	1,799
Axum town	0.00	1.94	6.67	23.44	6.06	0.00	0.44	8.09	35.23	8.06	0.00	1.15	7.46	30.26	7.15	1,595
Neader	2.02	2.11	7.12	19.00	6.25	1.09	1.64	13.51	24.53	9.40	1.57	1.87	10.34	21.84	7.85	1,720
Kola temben	1.53	1.27	8.41	12.50	5.50	0.00	2.51	8.19	25.71	6.57	0.80	1.89	8.30	18.35	6.04	1,922
Abegele	0.00	1.58	7.33	20.00	5.13	0.00	1.49	8.01	29.17	5.63	0.00	1.54	7.68	23.44	5.37	2,028
Tanqua milash	1.79	1.46	2.49	15.48	3.19	0.00	1.36	6.67	20.63	5.06	0.87	1.42	4.67	17.69	4.11	1,848
Abiadi	3.75	2.72	7.44	34.62	7.81	0.00	1.15	9.84	31.43	8.62	1.71	1.96	8.73	32.79	8.24	1,445
Keyih tekli	1.27	0.00	3.72	9.09	2.42	0.00	0.33	5.31	20.00	3.69	0.71	0.17	4.53	14.05	3.04	1,708
Mai kinetal	2.68	3.43	13.53	36.25	10.64	0.00	4.13	17.62	45.88	13.34	1.30	3.77	15.59	41.21	12.00	1,834
Endabatsehama	1.61	2.80	7.32	37.84	7.43	1.77	1.70	11.89	31.75	8.77	1.69	2.28	9.84	35.04	8.11	1,812
Embasineyti	3.39	1.50	9.14	13.51	6.27	2.04	1.79	9.28	17.24	6.81	2.78	1.65	9.21	15.53	6.54	1,682
Hahayle	0.00	1.24	6.00	21.59	5.12	0.96	0.32	7.94	26.67	6.22	0.46	0.79	7.01	23.93	5.67	1,957
Wereda Adwa	0.00	1.33	4.83	15.04	4.19	0.00	2.06	8.94	19.15	6.69	0.00	1.68	6.81	16.91	5.38	2,139
Adwa town	0.00	1.02	5.83	32.00	5.53	0.00	2.37	9.51	33.33	9.21	0.00	1.72	7.84	32.84	7.49	1,628
Rama	0.00	2.27	2.83	8.62	2.75	1.09	1.51	4.76	24.64	5.30	0.54	1.91	3.85	17.32	4.05	1,407
Ahsea	0.92	1.31	3.79	20.00	3.96	0.00	0.00	8.74	18.68	6.27	0.48	0.76	6.26	19.28	5.06	1,639
Egela	2.06	1.34	10.18	19.05	6.28	1.08	0.32	12.37	11.86	6.64	1.58	0.82	11.45	15.57	6.47	1,576
Ahferom	1.98	2.86	9.77	20.83	7.97	2.83	1.52	15.45	17.29	10.02	2.42	2.21	12.63	18.97	9.00	2,090

Socio-demographic characteristics	Presence of chronic illness by Sex and Age category										Presence of chronic illness by age					
	Male					Female										
	0-4	5-17	18-59	≥60	Total	0-4	5-17	18-59	≥60	Total	0-4	5-17	18-59	≥60	Total	Number
Enticho town	1.25	2.69	11.03	27.45	8.45	0.00	1.09	12.27	38.46	10.48	0.65	1.90	11.76	33.62	9.56	1,286
Bizet	0.00	2.12	6.33	13.33	5.13	0.00	1.01	9.89	26.96	9.34	0.00	1.61	8.26	20.98	7.27	1,430
Gulomekeda	0.00	2.19	2.49	9.79	3.61	4.26	1.38	6.46	15.83	6.34	1.74	1.79	4.62	12.55	4.97	1,430
Erob	1.06	2.00	7.34	22.67	6.30	1.27	2.43	10.32	24.66	8.31	1.16	2.21	8.99	23.65	7.35	1,552
Subha sasei	1.54	0.64	7.52	16.84	5.25	0.00	0.85	9.46	11.65	5.58	0.84	0.75	8.57	14.14	5.42	1,881
Edaga hamus	0.76	1.68	12.68	36.36	7.25	0.00	1.31	9.09	20.00	6.35	0.43	1.50	10.56	25.00	6.76	1,464
Ganta afeshum	0.00	1.12	5.56	11.58	4.19	0.00	0.40	10.02	15.74	6.95	0.00	0.77	7.98	13.79	5.62	1,689
Adigrat	0.00	0.96	4.99	30.95	4.60	0.00	0.89	8.87	28.42	8.02	0.00	0.93	7.11	29.20	6.45	1,659
Wereda Hawzen	0.00	1.64	3.53	15.08	3.91	0.00	0.00	6.61	11.67	4.38	0.00	0.85	5.23	13.41	4.15	1,978
Hawzen	1.09	2.81	6.96	15.15	5.21	0.87	2.92	9.14	14.55	6.70	0.97	2.87	8.20	14.77	6.03	1,278
Tsaeda Emab	0.00	2.33	7.16	16.67	5.73	0.98	2.69	9.98	19.15	7.70	0.49	2.48	8.67	17.79	6.69	1,765
Freweini town	0.96	3.09	14.29	16.67	7.79	3.88	1.58	14.68	40.48	11.06	2.42	2.34	14.53	31.82	9.64	1,235
Atsbi	0.00	1.16	6.98	22.52	5.83	0.00	0.36	7.18	15.15	5.17	0.00	0.80	7.09	19.05	5.51	1,777
Atsbi town	0.75	1.35	7.17	32.26	5.07	0.00	2.54	10.22	18.18	6.81	0.41	1.91	8.93	25.00	5.97	1,356
Tsirae wemberta	0.00	0.34	4.58	11.39	3.13	1.08	0.38	5.49	13.83	4.39	0.45	0.36	5.06	12.72	3.76	1,784
Wukro	2.27	0.53	3.64	17.24	3.07	0.00	0.97	4.40	17.65	3.71	1.19	0.76	4.09	17.50	3.42	1,460
Kilte Awlaelo	0.00	0.77	5.38	5.41	3.46	1.15	1.35	8.57	13.33	6.34	0.61	1.04	7.04	8.96	4.88	1,659
Gerealta	0.00	0.28	5.23	9.41	2.94	0.00	1.46	8.72	13.56	5.10	0.00	0.86	7.08	11.11	4.02	1,841
Degua temben	0.00	1.05	3.12	12.24	2.77	0.79	1.49	5.19	6.49	3.35	0.37	1.25	4.20	9.71	3.06	1,898
Hagereselam	0.00	1.65	7.89	20.93	5.77	0.00	0.57	9.50	31.15	8.04	0.00	1.12	8.79	26.92	6.98	1,261
Enderta	0.00	0.00	2.89	4.35	1.52	0.00	0.26	2.83	4.76	1.63	0.00	0.13	2.86	4.55	1.57	2,033

Socio-demographic characteristics	Presence of chronic illness by Sex and Age category										Presence of chronic illness by age					
	Male					Female										
	0-4	5-17	18-59	≥60	Total	0-4	5-17	18-59	≥60	Total	0-4	5-17	18-59	≥60	Total	Number
Seharti	0.00	0.00	3.97	8.33	2.32	0.58	0.00	5.63	18.67	3.81	0.32	0.00	4.83	12.87	3.06	2,154
Samre	1.60	1.14	4.57	11.88	3.76	0.90	1.25	8.46	14.43	5.86	1.27	1.19	6.51	13.13	4.79	2,026
Hintalo	1.46	0.24	3.23	7.61	2.27	0.00	1.04	6.01	13.16	4.20	0.81	0.62	4.69	10.12	3.22	2,264
Adigudem	0.00	0.60	4.17	30.00	3.98	0.90	0.48	6.73	19.05	5.28	0.41	0.53	5.61	23.30	4.69	1,492
Wajirat	0.00	1.91	4.44	6.82	3.29	1.30	1.09	5.53	9.09	3.99	0.63	1.53	5.03	7.88	3.64	1,649
Ayder	0.89	1.34	8.14	32.73	6.89	0.00	1.26	8.64	32.26	7.29	0.45	1.30	8.43	32.48	7.11	1,703
Semen	0.97	0.50	5.74	32.69	5.58	0.00	1.12	8.26	27.59	7.74	0.48	0.79	7.11	29.50	6.73	1,754
Quiha	1.77	0.53	4.52	32.26	5.40	0.00	0.00	8.51	40.35	7.45	0.91	0.25	6.81	36.13	6.52	1,627
Kedamay Weyane	2.56	1.16	7.75	39.02	7.37	1.30	1.18	11.80	26.09	10.28	1.94	1.17	10.03	30.08	8.98	1,548
Hawelti	0.00	0.45	6.68	29.41	5.43	0.00	0.78	5.51	29.31	5.09	0.00	0.63	5.99	29.36	5.24	1,756
Adi Haki	1.45	1.08	6.41	32.14	4.73	0.82	1.09	10.26	20.00	6.99	1.15	1.08	8.58	24.66	5.94	1,853
Hadnet	0.00	2.88	5.53	40.00	6.38	0.00	0.00	5.40	36.25	6.20	0.00	1.43	5.46	37.69	6.29	1,734
Emba Alaje	0.79	1.22	4.22	7.41	2.86	0.00	0.00	5.06	18.97	3.91	0.48	0.67	4.65	13.39	3.37	1,753
Selewa	0.00	1.21	4.36	11.76	3.35	0.00	1.29	6.38	18.57	4.65	0.00	1.25	5.38	14.84	4.00	1,777
Bora	2.56	1.67	11.73	20.75	7.63	2.38	2.68	12.24	22.86	8.45	2.49	2.16	11.99	21.59	8.03	1,420
Neqsege	0.00	1.82	0.82	9.43	1.56	0.00	0.65	2.60	7.41	1.66	0.00	1.25	1.73	8.75	1.61	1,741
Enda mekoni	0.94	0.00	3.15	15.00	2.86	0.00	0.00	3.42	8.57	2.51	0.50	0.00	3.30	12.00	2.68	1,678
Maichew	2.08	2.55	5.01	32.65	5.86	1.22	0.98	12.87	24.66	9.69	1.69	1.75	9.32	27.87	7.89	1,495
Mekoni town	0.00	1.14	9.12	21.05	6.27	1.39	1.29	10.34	34.09	8.72	0.64	1.21	9.77	28.05	7.51	1,225
Raya Azebo	0.00	0.28	7.13	13.43	4.18	0.00	0.61	5.42	16.28	3.63	0.00	0.44	6.24	14.55	3.91	1,842
Raya Chercher	1.11	1.09	7.64	10.26	4.76	1.25	0.39	8.20	20.59	5.95	1.18	0.75	7.94	15.07	5.36	1,530

Socio-demographic characteristics	Presence of chronic illness by Sex and Age category										Presence of chronic illness by age					
	Male					Female										
	0-4	5-17	18-59	≥60	Total	0-4	5-17	18-59	≥60	Total	0-4	5-17	18-59	≥60	Total	Number
IDP	0.57	1.75	11.94	38.78	6.61	0.00	2.28	12.12	51.43	7.84	0.31	2.00	12.05	44.05	7.24	2,526
Total	0.91	1.50	6.59	18.83	5.21	0.56	1.23	9.01	23.63	6.91	0.74	1.37	7.88	21.25	6.08	128,997

Table 4.12a: Status about type of chronic disease, TSES, 2024 G.C

Socio-demographic characteristics	Diabitus melitus	Hypertension	HIV/AIDS	Disease of cancer	Heart disease	Asthmatic disease	Dispepsia	Hemmorhoid	Mental disease	Other	Unweighted Number
Regional	571	1,254	482	181	1,593	1,559	206	161	610	609	126,471
Age group											
0-4	6	5	2	1	15	40	2	4	14	7	15,344
5-17	30	25	23	9	100	108	3	6	90	32	40,114
18-59	314	577	384	102	932	996	132	118	400	373	60,037
≥60	221	647	73	69	546	415	69	33	106	197	10,976
Total	571	1,254	482	181	1,593	1,559	206	161	610	609	126,471
Sex											
Male	295	461	153	65	531	748	86	132	285	209	62,005
Female	276	793	329	116	1,062	811	120	29	325	400	64,466
Total	571	1,254	482	181	1,593	1,559	206	161	610	609	126,471
Residence											
urban	394	777	368	67	339	694	57	55	166	215	43,767
Rural	177	477	114	114	1,254	865	149	106	444	394	82,704
Total	571	1,254	482	181	1,593	1,559	206	161	610	609	126,471

Socio-demographic characteristics	Diabitus melitus	Hypertension	HIV/AIDS	Disease of cancer	Heart disease	Asthmatic disease	Dispepsia	Hemmorhoid	Mental disease	Other	Unweighted Number
Zone											
North Western	94	319	37	43	317	328	45	35	131	161	19,857
Central	159	374	81	57	601	398	66	56	244	204	38,163
Eastern	81	145	123	27	336	374	54	26	119	123	27,238
South East	35	70	63	11	134	129	14	17	26	23	14,777
Mekelle	150	230	96	15	62	159	15	16	51	68	11,975
Southern	52	116	82	28	143	171	12	11	39	30	14,461
Total	571	1,254	482	181	1,593	1,559	206	161	610	609	126,471
Household head litracy											
No education	141	497	189	67	617	495	64	44	136	195	15,853
Primary education	95	175	116	17	147	238	37	41	56	90	7,250
Secondary education	67	78	35	8	55	105	12	11	15	32	4,363
Taritiary education	50	58	9	7	22	61	9	9	4	10	2,195
Total	353	808	349	99	841	899	122	105	211	327	29,661

Table 4.14a: The presence of any difficulty or disability, TSES, 2024 G.C

Socio-demographic characteristics	Presence of disability by Sex and Age category								Presence of disability by age				
	Male				Female								
	5-17	18-59	≥60	Total	5-17	18-59	≥60	Total	5-17	18-59	≥60	Total	Unweighted Number
Regional	4.45	10.47	25.46	9.86	4.08	8.45	28.17	9.02	4.27	9.39	26.82	9.43	107,509
Residence													
Urban	4.57	10.27	24.33	9.48	3.81	7.67	27.98	8.52	4.19	8.80	26.52	8.95	36,731
Rural	4.41	10.58	25.79	10.03	4.19	8.99	28.26	9.31	4.30	9.76	26.94	9.67	70,778
Zone													
North Western	3.86	10.29	22.36	9.26	3.05	8.28	26.98	8.38	3.47	9.24	24.63	8.82	17,300
Central	5.48	12.62	30.51	11.99	4.56	10.57	33.35	10.98	5.04	11.55	31.93	11.48	32,504
Eastern	3.74	10.23	22.91	9.34	4.14	7.54	25.98	8.61	3.94	8.75	24.50	8.96	22,938
South East	5.41	10.73	30.67	10.70	4.49	9.19	30.66	9.53	4.96	9.91	30.67	10.10	12,413
Mekelle	3.21	8.13	23.89	7.86	3.31	6.09	22.04	6.77	3.26	6.98	22.80	7.26	10,164
Southern	3.62	7.27	15.44	6.62	4.15	6.71	20.99	6.98	3.87	6.98	18.02	6.80	12,190
Household head literacy													
No education	0.00	12.54	25.96	18.07	75.00	16.57	30.67	23.41	75.00	14.00	27.99	20.17	15,827

Socio-demographic characteristics	Presence of disability by Sex and Age category								Presence of disability by age				
	Male				Female								
	5-17	18-59	≥60	Total	5-17	18-59	≥60	Total	5-17	18-59	≥60	Total	Unweighted Number
Primary education	11.11	12.55	24.15	14.37	0.00	9.62	26.75	10.99	3.85	11.76	24.55	13.51	7,240
Secondary education	0.00	11.05	25.00	11.62	25.00	6.69	14.29	6.89	20.00	9.58	22.97	10.05	4,359
Tertiary education	0.00	9.60	23.08	10.36	0.00	6.91	28.57	7.69	0.00	8.87	24.11	9.64	2,188
Total	9.09	11.95	25.58	15.45	16.00	12.05	30.32	17.85	13.89	11.98	27.43	16.27	29,614
Wereda													
Chila	20.38	30.41	39.08	27.75	20.52	28.16	36.84	26.64	20.45	29.21	38.04	27.20	1,434
Bizet	12.26	20.07	45.56	21.13	7.69	17.51	44.35	19.51	10.15	18.68	44.88	20.29	1,252
Ahferom	7.65	21.66	35.83	18.52	9.15	20.46	45.11	20.26	8.37	21.05	40.71	19.39	1,836
Tahtay Adyabo	7.97	19.60	47.37	17.37	4.98	16.83	37.29	14.02	6.46	18.18	42.24	15.67	1,487
Maekel Adyabo	7.18	19.61	35.19	17.02	4.68	15.78	31.48	14.02	6.01	17.66	33.33	15.54	1,210
Edaga hamus	2.90	21.55	45.45	15.04	7.77	13.76	50.00	14.63	5.33	16.96	48.61	14.81	1,175
Axum town	9.24	16.53	31.25	15.89	7.04	11.78	30.68	12.63	8.06	13.90	30.92	14.09	1,391
Adet	9.88	14.72	28.92	14.66	4.03	11.93	44.83	13.17	6.99	13.32	37.06	13.91	1,459
Embasineyti	2.44	16.94	36.49	13.87	2.82	11.60	52.87	13.55	2.63	14.21	45.34	13.71	1,415
Mai kinetal	4.70	15.83	42.50	14.30	6.09	13.18	31.76	12.66	5.37	14.50	36.97	13.49	1,542
Seharti	6.23	12.88	33.33	12.22	4.72	13.20	44.00	12.56	5.52	13.05	38.01	12.39	1,784
Ayder	3.90	17.09	36.36	14.57	5.29	9.43	37.10	10.53	4.60	12.76	36.75	12.37	1,431
Laelay Maichew	3.80	7.94	38.40	11.22	2.17	10.53	45.10	12.72	3.04	9.17	41.41	11.92	1,560
Hintalo	8.59	12.73	38.04	13.49	3.76	10.38	36.84	10.09	6.30	11.49	37.50	11.79	1,942

Socio-demographic characteristics	Presence of disability by Sex and Age category								Presence of disability by age				
	Male				Female								
	5-17	18-59	≥60	Total	5-17	18-59	≥60	Total	5-17	18-59	≥60	Total	Unweighted Number
Enticho town	2.37	17.49	31.37	13.66	1.81	10.47	27.69	9.95	2.09	13.33	29.31	11.59	1,096
Neqsege	9.40	11.72	24.53	11.70	12.00	10.91	11.11	11.35	10.65	11.30	20.00	11.53	1,405
Ahsea	1.39	15.45	42.67	12.72	1.47	7.92	39.33	10.17	1.43	11.70	40.85	11.51	1,390
Laelay koraro	3.78	12.56	33.33	12.26	2.41	7.94	33.65	9.60	3.15	10.24	33.49	10.97	1,605
Tahtay maichew	6.00	10.74	34.67	11.59	2.62	9.76	36.11	10.13	4.38	10.24	35.37	10.86	1,427
Adwa town	4.40	9.47	20.00	8.85	4.59	11.34	38.10	12.53	4.50	10.49	31.34	10.86	1,418
Hahayle	6.78	12.64	23.86	11.74	5.58	9.90	25.33	9.89	6.21	11.21	24.54	10.82	1,655
Bora	4.50	13.35	26.42	11.22	4.39	11.11	33.33	10.00	4.45	12.20	29.07	10.62	1,177
Degua temben	2.01	9.92	39.80	10.13	3.91	8.64	50.65	10.97	2.90	9.25	44.57	10.54	1,566
Hawzen	3.14	13.92	24.24	10.97	5.96	8.03	32.73	9.88	4.52	10.57	29.55	10.37	1,032
Samre	9.38	11.65	17.00	11.43	5.86	10.04	13.68	9.02	7.70	10.84	15.38	10.24	1,718
Endabatsehama	3.75	10.57	28.38	9.65	5.78	10.79	31.75	10.71	4.74	10.69	29.93	10.20	1,530
Gerealta	2.80	10.17	35.29	9.87	6.05	10.77	28.81	10.22	4.41	10.49	32.64	10.05	1,513
Wereda Hawzen	5.59	8.22	23.02	9.39	7.35	8.83	25.00	10.50	6.43	8.56	23.98	9.96	1,717
Endabguna	4.93	8.12	33.33	9.13	1.40	7.92	48.28	10.34	3.16	8.00	42.55	9.82	1,029
Rama	6.90	7.23	34.48	9.84	4.89	8.12	28.99	9.51	5.94	7.70	31.50	9.67	1,189
tahtay Koraro	2.79	9.22	21.30	8.83	3.91	8.39	33.67	10.04	3.35	8.79	27.18	9.44	1,600
Enderta	2.43	10.73	37.68	9.65	5.17	9.21	28.57	9.00	3.84	9.93	33.33	9.31	1,675
Wereda Adwa	4.57	8.30	23.89	8.77	2.93	9.56	31.91	9.64	3.81	8.91	27.54	9.18	1,863
Erob	3.98	10.12	21.33	9.25	4.04	8.85	24.66	8.96	4.01	9.41	22.97	9.10	1,330
Wajirat	3.97	8.28	26.14	8.65	3.08	8.04	36.36	9.25	3.56	8.15	30.91	8.95	1,463

Socio-demographic characteristics	Presence of disability by Sex and Age category								Presence of disability by age				
	Male				Female								
	5-17	18-59	≥60	Total	5-17	18-59	≥60	Total	5-17	18-59	≥60	Total	Unweighted Number
Kedamay Weyane	1.89	9.50	31.71	9.00	2.53	8.51	21.74	8.87	2.21	8.94	24.81	8.92	1,367
Hagereselam	4.38	8.60	32.56	9.34	5.26	8.66	14.75	8.41	4.81	8.63	22.12	8.83	1,053
Egela	4.87	12.73	26.98	10.74	1.75	8.16	27.12	7.18	3.26	10.08	27.05	8.80	1,329
Quiha	3.53	7.73	30.65	8.90	4.17	8.13	24.56	8.37	3.87	7.96	27.73	8.60	1,360
Freweini town	6.59	13.82	29.17	11.76	2.48	5.82	23.81	6.21	4.57	8.82	25.76	8.54	972
Kilte Awlaelo	3.36	10.00	18.02	9.07	3.77	7.62	18.89	7.89	3.56	8.77	18.41	8.49	1,461
Adigrat	6.59	10.03	19.05	9.63	4.52	5.80	21.05	7.34	5.51	7.71	20.44	8.36	1,400
Tanqua milash	4.24	9.00	26.19	8.85	3.56	8.05	23.81	7.70	3.93	8.50	25.17	8.29	1,593
Abiadi	3.66	10.19	19.23	9.15	3.03	6.32	24.29	7.40	3.34	8.10	22.13	8.22	1,241
Sheraro	3.52	9.54	25.00	8.55	3.95	8.43	12.24	7.52	3.72	8.92	17.98	8.00	1,250
Aidaero	5.57	10.45	5.48	8.08	6.64	8.03	10.00	7.76	6.04	9.19	7.69	7.92	1,527
Keyih tekli	2.26	9.46	34.85	9.12	1.45	6.70	31.48	6.55	1.85	8.06	33.33	7.83	1,367
Subha sasei	2.85	6.70	29.47	8.17	3.36	5.21	30.10	7.51	3.13	5.90	29.80	7.82	1,586
Atsbi	3.27	8.78	19.82	8.18	1.94	6.20	26.26	7.39	2.66	7.43	22.86	7.79	1,514
Tsaeda Emab	1.57	8.60	21.93	7.68	4.18	6.73	19.15	7.49	2.69	7.60	20.67	7.59	1,515
Asgede	3.40	8.98	18.84	7.91	1.98	6.25	35.09	7.09	2.71	7.69	26.19	7.52	1,423
Kola temben	3.37	10.05	21.59	8.86	4.78	6.67	8.57	6.15	4.07	8.31	15.82	7.50	1,626
Gulomekeda	0.94	8.90	14.69	7.55	0.96	6.46	19.17	7.03	0.95	7.59	16.73	7.29	1,290
Ganta afeshum	2.43	10.61	14.74	8.29	1.32	5.13	21.30	6.27	1.89	7.62	18.23	7.24	1,465
Wukro	4.35	8.94	10.34	7.52	4.47	5.10	23.53	6.35	4.41	6.68	18.75	6.85	1,153
Adigudem	5.13	8.93	15.00	8.27	4.30	4.41	19.05	5.74	4.68	6.39	17.48	6.85	1,212

Socio-demographic characteristics	Presence of disability by Sex and Age category								Presence of disability by age				
	Male				Female								
	5-17	18-59	≥60	Total	5-17	18-59	≥60	Total	5-17	18-59	≥60	Total	Unweighted Number
Hadnet	3.63	6.42	12.00	6.04	5.53	6.15	21.25	7.48	4.59	6.27	17.69	6.82	1,511
Abegele	4.93	7.80	28.75	8.61	2.95	4.11	25.00	4.91	4.00	5.88	27.34	6.79	1,663
Shire Endaselassie	3.28	7.01	20.93	6.55	1.57	6.36	28.38	6.83	2.40	6.63	25.64	6.71	1,551
Emba Alaje	3.95	7.21	12.96	6.32	4.10	4.84	27.59	6.39	4.01	5.98	20.54	6.35	1,496
Mekoni town	5.56	6.51	7.89	6.31	2.84	4.31	34.09	6.38	4.29	5.34	21.95	6.35	1,040
Tsimbila	2.59	7.29	19.83	7.10	2.75	5.39	11.84	5.05	2.66	6.38	16.67	6.15	1,756
Neader	3.38	4.66	17.00	5.88	1.10	5.14	22.64	6.14	2.23	4.90	19.90	6.01	1,480
Enda mekoni	2.11	8.05	11.25	6.03	3.32	5.02	15.71	5.56	2.62	6.36	13.33	5.80	1,432
Selewa	2.33	4.36	14.12	4.65	2.82	8.00	17.14	6.86	2.56	6.20	15.48	5.74	1,482
Raya Azebo	1.85	6.16	20.90	5.64	3.00	5.94	23.26	5.76	2.40	6.04	21.82	5.70	1,579
Semen	4.05	5.76	13.46	5.91	3.18	4.51	9.20	4.76	3.64	5.08	10.79	5.29	1,492
Adi Haki	3.77	6.00	14.29	5.56	1.64	4.04	28.89	4.68	2.69	4.89	23.29	5.08	1,517
Maichew	2.37	2.79	12.24	3.47		5.75	23.29	6.11	1.15	4.41	18.85	4.91	1,264
Zana	0.43	4.86	11.34	4.31	1.31	6.06	13.41	5.41	0.87	5.49	12.29	4.86	1,460
Atsbi town	2.11	5.66	25.81	5.56	1.72	3.32	24.24	4.05	1.92	4.31	25.00	4.74	1,054
Raya Chercher	0.78	5.73	10.26	4.32	2.56	5.48	10.29	4.95	1.63	5.60	10.27	4.64	1,315
Seymti Adyabo	1.29	6.56	8.47	4.91	1.11	3.20	30.19	4.38	1.19	4.83	18.75	4.64	1,402
Tsirae wemberta	1.49	3.06	11.39	3.38	2.09	4.36	18.09	5.33	1.77	3.74	15.03	4.37	1,509
Hawelti	1.49	5.19	23.53	5.49	1.30	2.50	18.97	3.30	1.39	3.59	21.10	4.24	1,486
IDP	3.81	10.77	30.61	8.09	4.07	5.89	22.86	5.63	3.94	7.93	27.38	6.79	2,121
Total	4.44	10.47	25.51	9.82	4.08	8.41	28.13	8.95	4.26	9.37	26.83	9.37	109,630

consumption item	quntity in kg/month	kcal/100 gram
barley	0.5	361
maize	4.15	362
rice	0.1	344
sorghum	4	347
teff	0.5	341
bean	0.27	344
chickpiece	2	341
wheat	1.8	351
guaya	0.6	347
lentil	0.7	345
berbere	0.31	318
egg	0.85	68
meat	0.1	235
honey	0.04	400
chicken	0.05	140

consumption item	quntity in kg/month	kcal/100 gram
coffee	0.2	169
onion	1.5	42
millet	0.6	341
Tomato	0.3	82
hanfets	0.4	352
Potato	0.2	87
garlic	0.02	149
redpaper	0.06	318
oil	0.5	897
sugar	0.5	400
linseed	0.1	345