



The Federal Democratic Republic of Ethiopia
NATIONAL DISASTER RISK MANAGEMENT COMMISSION
(NDRMC)

WOREDA DISASTER RISK PROFILE (WDRP)

REGION: AFAR

ZONE: ZONE 4

WEREDA: GOLINA

December, 2020

Addis Ababa

About the National Disaster Risk Management Commission (NDRMC)

The National Disaster Risk Management Commission (NDRMC) was reestablished in December 2015 and recognized by an act of Council of Ministers (Regulation No. 363/2015) as an autonomous Federal Government office mandated to conduct appropriate activities for the comprehensive implementation and realization of the objectives of the National Disaster Risk Management Policy and Strategy and to coordinate, monitor and provide appropriate support with respect to activities carried out by the lead sector institutions.

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PREFACE

Ethiopia is well aware of the impact that disasters can have on the development goals that we are rigorously pursuing through our Growth and Transformation Plan II. With this recognition we started a paradigm shift a few years ago, largely triggered by the revised National Policy and Strategy on Disaster Risk Management.



To make the DRM programme implementation in the country well-informed, a comprehensive information management system is required. We have been undertaking a comprehensive risk assessment exercise under which Disaster Risk Profiles are being prepared for each district and at sub-district levels in the country.

This Wereda Disaster Risk Profile establishes an extensive database on disaster risk elements that will help decision makers at all levels to be better informed at community and Wereda level about the characteristics of potential hazards, their potential exposure, vulnerabilities of communities, capacities and that can also be an input for Wereda Disaster Risk Reduction Plans and area specific early warning tools.

Wereda Disaster Risk Profiles developed are publically available here for the use of all development partners and government sectors at all levels. Also, other data sources of NDRMC, such as Desinventar, Livelihood Baseline and the Early Warning information will be integrated and harmonized with this Information Management System.

Finally, we need to acknowledge the support of partners who have funded this programme and we also look for the support of donors and all development partners in order to achieve the ambitious indicators of this risk information and providing every district with the disaster risk profile and their respective risk-informed plans.

A handwritten signature in black ink, appearing to be 'Mitiku Kassa', written over a horizontal line.

*H.E. Ato Mitiku Kassa
Commissioner*

*National Disaster Risk Management Commission (NDRMC)
The Federal Democratic Republic of Ethiopia (FDRE)*

PREFACE

Woreda Disaster Risk Profiling (WDRP) is a government owned programme undertaken by the National Disaster Risk Management Commission (NDRMC) in collaboration with regional DRM offices and supported by development partners which aims to provide baseline information for disaster risk management practices and activities in the country. The programme is designed by taking into account the experiences gained from the implementation of previous strategies and actions like the Hygo Framework for Action (2000-2015) and the Sendai Framework for Disaster Risk Reduction (2015-2030).



WDRP is composed of diversified indicators including hazard related issues, crop and livestock production, landholding and environmental issues, human and livestock health issues, education and social issues at wereda and kebele level. It provides basic and detailed indicators with both quantitative and qualitative information which obtained from both primary and secondary data sources.

Moreover, two pages summary of profiles is also prepared to help users easily understand WDRP results for each wereda without going into detail for all indicators. In addition to this booklet, developed profiles are uploaded on WDRP website (<http://profile.ndrmc.gov.et>) to be viewed by all users; we encourage all DRM actors at all levels to use this profile as baseline information for all DRM initiatives.

This WDRP booklet was produced through exemplary collaboration of all concerned bodies and I would like to give my deepest gratitude to all who directly or indirectly contribute for the success of the programme particularly for data enumerators and supervisors, data encoders and profile development teams, consultants and advisors, partner ministries and all DRM stakeholders.

Abraham Abebe
Director

Disaster Risk Reduction and Rehabilitation Directorate (DRRRD)
National Disaster Risk Management Commission (NDRMC)

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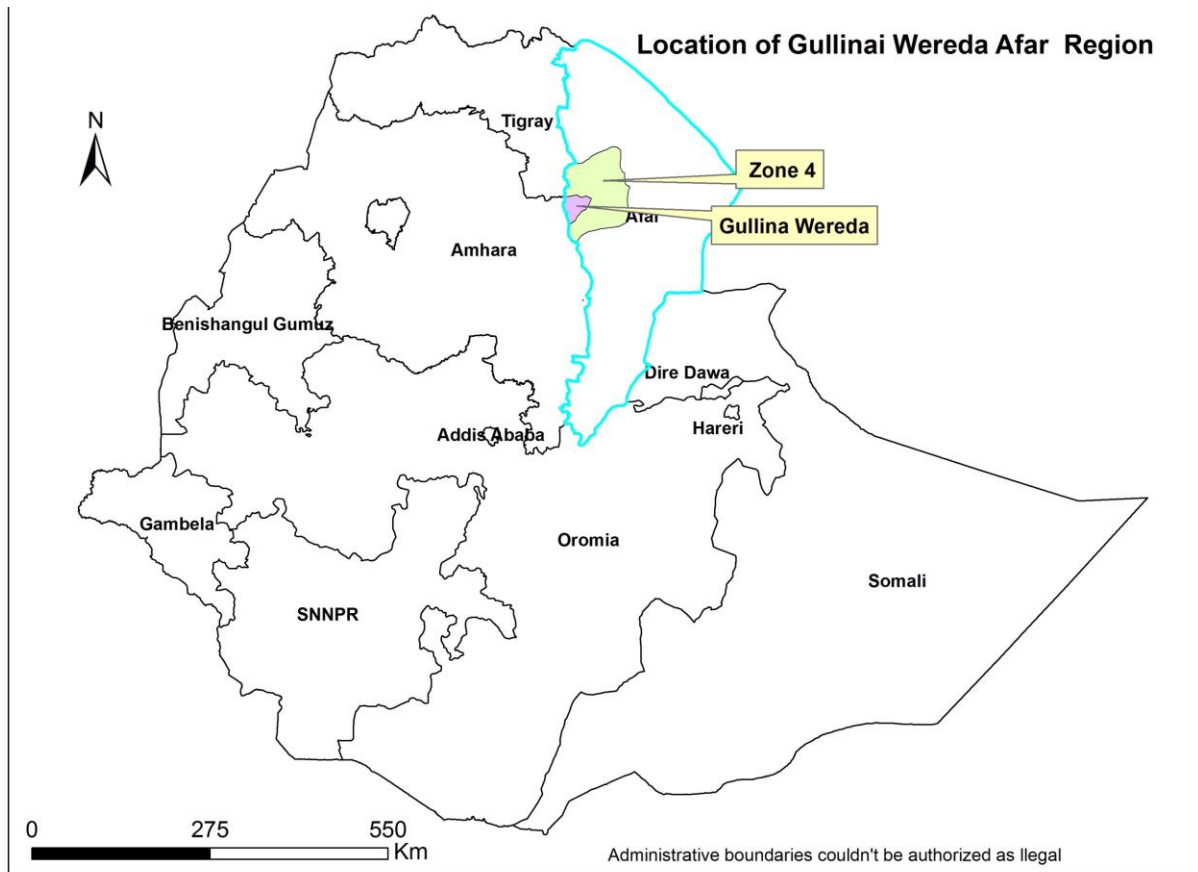
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WEREDA LOCATON



METHODOLOGY

▪ **WDRP Content :**

- Comprehensive information on disaster risk components (Hazards, Vulnerability and Capacity)
- Multi-sectoral and multi-hazard information.

▪ **Research Approach:**

- Mixed Approach
- Both quantitative and qualitative information

▪ **Data Sources:**

- Primary Data:
 - ✓ Household Questionnaires: statistically significant number (around 400 households).
 - ✓ Focus Groups Discussions: One per kebele
 - ✓ Key Informant Interviews: with major woreda level government and non-government DRM actors
 - ✓ Problem Tree Analyses : to see the cause and effect of disasters
- Secondary Data:
 - ✓ collected relevant to WDRP indicators:
 - ✓ LIU, SERA Project, Risk baseline, other ministries...

▪ **Sampling Technique:**

- Multistage cluster sampling
- Both Probability and Non-probability sampling

▪ **Methods of Analysis:**

- Descriptive Statistics
- Textual Analysis
- Cispro and SPSS
- Automate WDRP software

WEREDA

SUMMARY DISASTER RISK PROFILE

INFORMATION



Disaster Risk Profile: Golina Wereda

SUMMARY OF WEREDA PROFILE

Households in the wereda face a wide range of disaster risks among which drought, livestock diseases, heat waves and human diseases are the major ones. On the other hand, deforestation, soil erosion and water pollution are the major environmental problems. Increasing temperature and decreasing amount of rainfall are also among the problems.

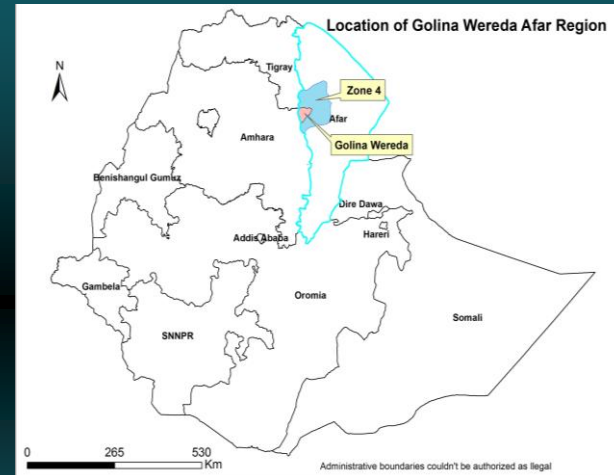
Traditional way of livestock rearing, limited alternative livelihood, poor sanitation, lack of drinking water, poor awareness and poor socio-economic condition of the community are among the vulnerability factors.

Possibility of using irrigation in crop production is indicated. Natural resource conservation (avoiding deforestation and overgrazing) is required. Improving traditional way of animal rearing is very important. Awareness creation in the community and collaborative work of stakeholders in DRM is also desired.

SUMMARY OF LIVELIHOOD ZONE

➤ Teru Pastoral Livelihood Zone (LZ3)

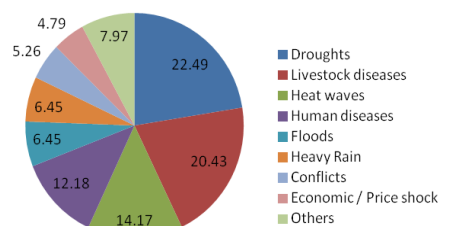
Teru Pastoral Livelihood Zone is remote and livestock-dependent – mainly cattle, camels, goats and sheep. A traditional and extensive livestock rearing system is practiced. A small number of households along the permanent rivers practice agro-pastoralism. Households in all wealth groups obtain most of their cash income from the sale of livestock



MAJOR DISASTERS REPORTED IN WEREDA

Kebele	Disaster 1	Disaster 2	Disaster 3	LIU Info
Deraitu	Drought	Animal Disease	Human disease	Chronic hazards: LZ3: Drought, livestock diseases, human diseases, low livestock price
Muuia Asaali	Drought	Animal Disease	Human disease	
Ayeana Burteli	Drought	Animal Disease	Human disease	
Fokisa	Drought	Animal Disease	Human disease	
Betena	Drought	Animal Disease	Human disease	
Galicoma	Drought	Animal disease	Human disease	
Kelewan	Drought	Animal Disease	Human disease	
Wanasana harigerba	Drought	Animal Disease	Human disease	

Proportion of households by major disaster risk faced during the last five years

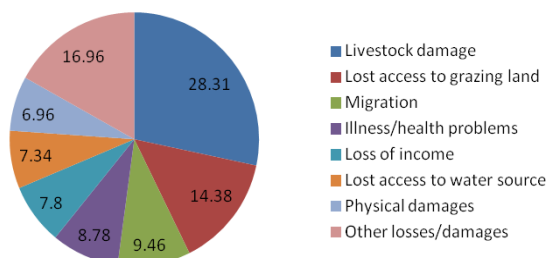


SHORT NARRATIVE ON MAJOR DISASTERS:

Drought is the most chronic disaster in the wereda which is the cause for other disasters and problems such as livestock diseases, human diseases and acute shortage of pasture and water. Lack of clean water for humans is as major problem in all Kebeles of the wereda. Contagious Caprine Pleuropneumonia (CCPP) is the most prevalent livestock disease followed by Foot and Mouth disease, Anthrax and Pasteurellosis. They are indicated as the major reasons for decreasing number of livestock number in the wereda next to drought.

Malaria is the main health problem which affects about 56% of the households every year. Diarrhea is also common in the wereda which is mainly caused by poor sanitation and lack of clean drinking water. Heat wave is another problem which damages pasture and livestock leading to migration of households. Sometimes, flood also happens in some Kebeles due to high rainfall. Conflict over resources such as water and pasture is common particularly during dry season and it is reported increasing in all Kebeles.

Proportion of households by major disaster loss suffered



EFFECT OF DISASTERS

Disasters	Loss 1	Loss 2	Loss 3
Drought	Livestock damage	Food shortage	Loss of pasture and water
Livestock diseases	Death of animals	Loss of animal product (food)	Loss of asset
Heat waves	Migration	Pasture damage	Livestock damage
Human disease	Death of humans	Loss of income	
Floods	Livestock damage	Loss of income	Damage on pasture and water sources
Conflict	Livestock damage	Loss of income	Loss of pasture



Disaster Risk Profile: Golina Wereda

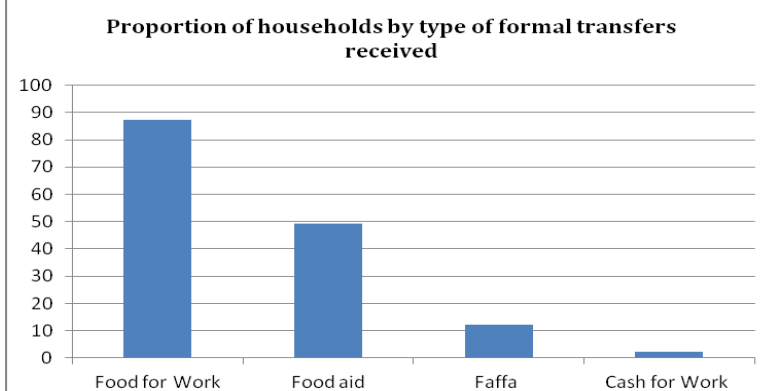
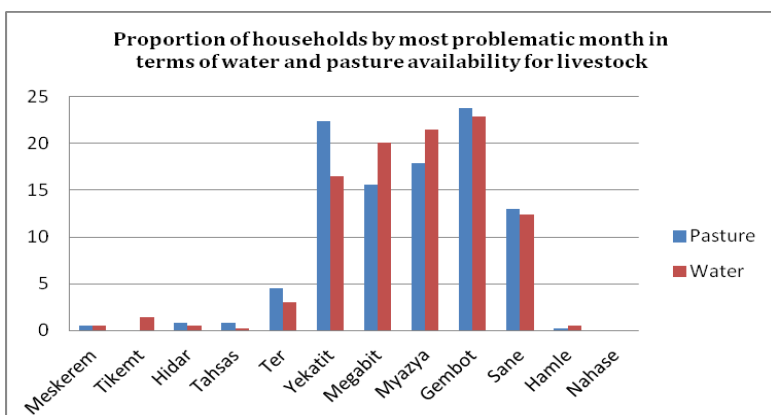
HOUSEHOLD AND COMMUNITY

VULNERABILITY

The wereda is pastoralist with limited alternative livelihood sources. Survey result shows that 89%, 49% and 12% of the households have received formal transfers in the form of food-for-work, food aid and faffa which indicates weak capacity of the community. Besides, more than 64% of the households did not manage to recover from the disaster losses they suffered. The fact that 2/3rd of the households are in doubt or unable to raise Birr 500 in one week also shows their vulnerability to a sudden on-set of disasters such as livestock diseases, human diseases and others.

The community faces major problem from February to June during which they lack water and pasture for their livestock and compelled to migrate to other areas. Traditional way of livestock rearing also exposed them to frequent disasters in the wereda such as drought and livestock diseases.

Lack of clean potable water and poor sanitation (both household and environmental) are among major vulnerability factors to health problems in the wereda. Deforestation (for wood and charcoal making) and soil erosion are reported increasing in the wereda. Moreover, the temperature is reported increasing over the last decade while rainfall amount is decreasing.



Accessibility:

- Access to road and urban centre:** it took households 40 minutes to reach the nearest paved road, while average time taken to reach the nearest urban centre is 8 hours. On the other hand, **access to electricity** is almost nil.
- Access to veterinary facility:** about 94% of the households reported to have poor access to **veterinary service** and **livestock drugs**.
- Access to market:** access to market is poor in most Kebeles of the wereda mainly due to lack of market center in nearby areas.
- Access to water and sanitation:** 69% of the households primarily obtain drinking water from rivers/streams, while 15% of obtain from wells. Despite this fact, almost all households use drinking water without making any type of treatment. On average, households spent 2 hours per day to fetch water. With regard to sanitation, 98% of the households reported to have no toilet facility.
- Access to credit:** 2.8% of the households have borrowed money out of which 2/3rd of them obtained credit from friends/relatives. Households used the credit mainly to purchase food.

Level of Awareness and Institutional Development

The **literacy level** of the population above 7 years of age is only **9.8%**, out of which 70% of them completed only below first grade level, while 26% and 4% attended primary and secondary schools respectively. With regard to **gender parity** in education, proportion of male students dominates at all education level. This implies very poor literacy level and poor participation of women in education. Of the total households interviewed, 23.9% of them are female-headed households.

Community awareness about disaster risk management system and actors is good. There are few community based organizations such as women and youth association. Among **NGOs**, WHO, UNICEF and Save the Children-UK are reported operating in the area adding capacity to the wereda in areas of DRM.

InfoBits:

Population	: 49791 (2007)
Sex ratio	: 762 F/1000 M
Urban Population	: 3924 (2007)
Mean Altitude	: 957.9 m
Mean Slope	: 2.4%
Measles caseload	: 7 (2004-2009)

Sources: Various Secondary Sources

COMMUNITY CAPACITY TO COPE

- Selling more livestock than usual (to purchase food) and reducing expenditure on non-essential items** are the **major coping mechanisms** generally adopted by households against disasters. Most households **migrate** with their animals and they **cut and carry tree plants** for their animals in case of drought. Households also use **cultural medicine** against human and livestock diseases.
- Avoiding deforestation and overgrazing, informing the community about disasters and reporting to the government before the disaster happens are among the **preparedness measures** indicated by the community. In case of drought, households sell cattle and sheep and buy camels and goat which are resistant to drought effect.
- The community also quickly share information with each other through **Dagu system** which enables them to control a sudden on-set of disaster such as conflict and others.
- The level of cooperation and participation** in the community is reported to be good.
- Crop and livestock diversity:** No household is reported participating in crop production. Households are pastoralists where most of them own goat and sheep. Cattle, camels and donkey are also widely reared by households.

WDRP Indicators

Hazard Related Characteristics



Wereda Disaster Risk Profile

National Disaster Risk Management Commission (NDRMC)



Data Collected Date Tuesday, February 16, 2021

<u>Region</u>	AFAR	<u>Zone</u>	ZONE 4	<u>Wereda</u>	GOLINA
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Selected Indicator Biological Hazards of the Wereda

Hazard_Name	Cause_Of_Hazard	Effects_Of_Hazard
-------------	-----------------	-------------------

Hazard_Sub_Type Animal disease

- Contagious Caprine Pleuropneumonia (CCPP) - Newcastle disease (Chicken) - Foot and Mouth Disease (FMD) - Anthrax - Pasteurellosis - Sheep pox	Drought Lack of pasture and water Lack of veterinary service	Death of animals Loss of animal products (such as milk) Loss of asset
--	--	---

Hazard_Sub_Type Human diseases

- Malaria - Diarrhea	Drought Lack of clean drinking water Food shortage (famine) Poor sanitation Lack of medical services	Human death Loss of income due to medication
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Wereda Disaster Risk Profile

National Disaster Risk Management Commission (NDRMC)



Data Collected Date

Tuesday, February 16, 2021

<u>Region</u>	AFAR	<u>Zone</u>	ZONE 4	<u>Wereda</u>	GOLINA
---------------	------	-------------	--------	---------------	--------

Selected Indicator Geological Hazards of the Wereda

<u>Hazard_Name</u>	<u>Cause_Of_Hazard</u>	<u>Effects_Of_Hazard</u>
--------------------	------------------------	--------------------------

<u>Hazard_Sub_Type</u>	Geological Hazards
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No Geological hazard has been reported



Wereda Disaster Risk Profile

National Disaster Risk Management Commission (NDRMC)



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Tuesday, February 16, 2021

<u>Region</u>	AFAR	<u>Zone</u>	ZONE 4	<u>Wereda</u>	GOLINA
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Selected Indicator	Hydro Metrological Hazards of the Wereda
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Hazard_Name	Cause_Of_Hazard	Effects_Of_Hazard
-------------	-----------------	-------------------

Hazard_Sub_Type	Hydro-Meteorological Hazards
-----------------	------------------------------

Drought	Lack of rainfall Deforestation	Animal death Loss of animal products Food shortage Migration of households Death of humans mainly due to malnutrition
Flood	High rainfall Deforestation Overgrazing	Livestock damage Loss of income Damage on grass and water sources Health problems (mosquito reproduction on stagnant water)
Heat waves		Migration Livestock damage Damage on pasture Health problems

Hazard_Sub_Type	xxxxXXXXXXX
-----------------	-------------

Flood	High rainfall Deforestation Overgrazing	Livestock damage Loss of income Damage on grass and water sources Health problems (mosquito reproduction on stagnant water)
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<u>Region</u>	AFAR	<u>Zone</u>	ZONE 4	<u>Wereda</u>	GOLINA
---------------	------	-------------	--------	---------------	--------

Selected Indicator	Socio Economic Hazards of the Wereda
--------------------	--------------------------------------

<u>Hazard_Name</u>	<u>Cause_Of_Hazard</u>	<u>Effects_Of_Hazard</u>
--------------------	------------------------	--------------------------

<u>Hazard_Sub_Type</u>	Social Hazards
------------------------	----------------

Conflict	Livestock damage Lost access to grazing land Loss of income
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Tuesday, February 16, 2021

<u>Region</u>	AFAR	<u>Zone</u>	ZONE 4	<u>Wereda</u>	GOLINA
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Selected Indicator	Technological Hazards of the Wereda
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Hazard_Name	Cause_Of_Hazard	Effects_Of_Hazard
-------------	-----------------	-------------------

Hazard_Sub_Type	Technological Hazard
-----------------	----------------------

NoTechnological Hazard has been reported



Wereda Disaster Risk Profile

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Tuesday, February 16, 2021

Region	AFAR	Zone	ZONE 4	Wereda	GOLINA				
Selected Indictor: Disaster Characteristics By Kebele									
Kebele Name	Disaster_Type	Common Period	Year Occured	Worst_Year	Trends of Effects	Root Causes	Effects	Vulnerability	Coping Strategy
AYIGANA BURTATE	Drought	May, June, July	1997	1997	Increased	Lack of rain fall	Human death, animal death and severe shortage of drinking water		Migration, food aid, Agricultural production with irrigation
	Animal Disease	October	1997	1997	Increased	Lack of rain fall	Animal death, lack of food	Animal movement	Traditional treatment
	Human diseases	October, November	1999	1999	Increased	Stomach disease	Human death		Traditional treatment
DARAYITU	Drought	December, January February, June	1997, 1998, 2000, 2001, 2002,	1997	Increased	Lack of rain fall	Animal death, Human migration, Human death	Lack of awareness	Migration, cut and carry tree for feed
	Animal Disease	December, January February, June	1992, 1997	1997	Increased	Drought	Animal dead, loss of asset	Lack of awareness, improper utilization of resources, movement with animals	Cultural medicine and modern animal medicine



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Region	AFAR	Zone	ZONE 4	Wereda	GOLINA				
Selected Indicator: Disaster Characteristics By Kebele									
Kebele Name	Disaster_Type	Common Period	Year Occured	Worst_Year	Trends of Effects	Root Causes	Effects	Vulnerability	Coping Strategy
DARAYITU	Human diseases	October, December	1997, 1998, 1999, 2000, 2001,	1997	Increased	Drought	Human death	Movement of people, drought	Clinic/modern medicine, cultural medicine
FOKISA	Drought	April, May	1997 - 2004	1997	Increased	Lack of rain fall	Migration		Migration
	Animal Disease	April, May, June, July	1997 - 2004	1997	Increased	Drought	Animal death		Migration
	Human diseases	January, February, March, April	1997 - 2004	1997	Increased	Drought	Death of children		Cultural medicine
GALIKOMA	Drought	April, May, June	1995	1995	Increased	Lack of rain fall, Deforestation	Animal and human death, decreasing of production	Large family size	Migrate to another place
	Animal Disease	May, June, July	1995 - 2000	1997	Increased	Drought, shortage of animal veterinary service	Death of animal, loss of production	Traditional market system, migration to pasture area	Cultural medicine
	Human diseases	May, June, July	1995 - 2000	1997	Increased	Lack of medical services, lack of pure water	Human death	Movement of people	Cultural medicine



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Region	AFAR	Zone	ZONE 4		Wereda	GOLINA			
Selected Indictor:		Disaster Characteristics By Kebele							
Kebele Name	Disaster_Type	Common Period	Year Occured	Worst_Year	Trends of Effects	Root Causes	Effects	Vulnerability	Coping Strategy
KELEWANA	Drought	May, June, July	1997 - 2004	1997	Increased	Lack of rain fall	Animal death and malnutrition		Sharing their resources, selling their livestock production
	Shortage of Water	All months	Lack of attention by wereda wa	1997	Increased	Lack of attention by wereda water bureau	Human disease (water born disease)		Travelling long distance and fetch water from river
	Shortage of Water	May, January, October	1997 - 2004	1997	Increased	Drought	Animal death	Pastoralist	Cultural medicine
	Human diseases	October, November	Drought, Lack of sanitation	1997	Increased	Drought, Lack of sanitation	Human death	Pastoralist	Cultural medicine, going to clinic
MULENA ASALE	Drought	April, May, June	1995	1995	Increased	Lack of rain fall, Deforestation	Decrease of milk production, animal and human disease and severe shortage of water	Large family size	Move to another place, selling of animal and their products



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Region	AFAR	Zone	ZONE 4	Wereda	GOLINA				
Selected Indicator: Disaster Characteristics By Kebele									
Kebele Name	Disaster_Type	Common Period	Year Occured	Worst_Year	Trends of Effects	Root Causes	Effects	Vulnerability	Coping Strategy
MULENA ASALE	Animal Disease	May, June, July, November, October, December	1995 - 2000	1997	Increased	Lack of veterinary service	Loss of production,	Migration and movement for grazing	Cultural medicine
WENASANA HERE GERBO	Drought	January, February, March, May	1997 - 2004	1997	Increased	Lack of rain fall	Animal death, human migration	Lack of awareness	Migration
	Animal Disease	January, February, March, May	1997 - 2004	1997	Increased	Drought	Animal death	Mixing animals with others during migration	Cultural medicine, veterinary service
	Human diseases	October, November	2000 - 2004	1997	Increased	Drought	Human death	Movement of people	Cultural medicine
HOMECHO DAYO	Drought	March, April,	1997	1997	Increased	Lack of rain fall and deforestation	Famine, animal death, human disease and lack of pasture		Sharing their resource, selling their livestock
	Animal Disease	May, June, July	1997	1997	Increased	Lack of rain fall, absence of pasture	Animal disease, famine		Travelling long distance to fetch water from river
	Human diseases	September, October, November	1997	1997	Increased	Famine, lack of hygiene	Children death, extra cost	Pastoralist	Cultural medicine



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Region	AFAR	Zone	ZONE 4	Wereda	GOLINA
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Selected Indicator:

Hazards: Conflict as an Issue

KebeleName	Description_Of_Conflict	Change_In_Last_Decade	Main_Causes_Of_Conflict
DARAYITU	It is low	Increased	
MULENA ASALE	The conflict is common	Increased	
AYIGANA BURTATE	The conflict is common	Increased	
GALIKOMA	The conflict is most common in these area	Increased	
KELEWANA	High	Increased	
WENASANA HERE GERBO	It is low	Increased	



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Selected Indicator:

Hazard Situation During Last Disaster - Characteristics of most recent disasters that affected the community

KebeleName	Types of Disasters	Hazard Description	Effect Of Disaster	Most Severly Affected	Reason
AYIGANA BURTATE	Drought	Up to four months and very hard	Migration	Children and pregnant women	Poor resistance capacity
DARAYITU	Human disease, Drought	Human disease for 4 months, Drought for three months	Human death, animal death, migration	Children and women (pregnant women)	Malnutrition and lack of resistance
FOKISA	Drought	High for nine months	Famine, migration	Children, women	Lack of resistance
GALIKOMA	Human disease, Drought	Human disease affected the community up to 3 months	Death of humans	Mostly pregnant women and children	Malnutrition and lack of resistance
KELEWANA	Human disease	High for two months	Death of humans	Pregnant women and children	Malnutrition
MULENA ASALE	Animal disease	Long time and hard	Death of animals and loss of production	All of the community	The livelihood of the community is dependent on livestock rearing
WENASANA HERE GERBO	Drought	Strong, for long time	Animal death and migration	Children	Lack of resistance
HOMECHO DAYO	Drought	High for nine months	Human death, animal death, migration, loss of asset	Women and children	Poor resistance capacity



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Selected Indicator:

Frequency of Disaster Occurrence

	4 out of 5 years or more	3 out of 5 years	2 out of 5 years	1 out of 5 years	0 DK
Conflicts		30.77	25.64	23.08	
Crop diseases	20.69	58.62	6.90	10.34	3.45
Drought	50.45	21.19	7.76	19.70	0.91
Earthquake	75.00			25.00	
Economic / Price shock	22.22	51.39	23.61	2.78	
Flood	14.43	27.84	9.28	46.39	2.06
Forest Fires	11.11	11.11	44.44	33.33	
Frost / Cold waves	86.96		4.35	8.70	
Heat waves/ High temp	22.75	31.75	22.27	23.22	
Heavy Rain	20.62	17.53	11.34	47.42	3.11
Human diseases	23.20	37.02	22.65	17.13	
Landslide	34.62	26.92	19.23	19.23	
Livestock diseases	26.73	39.93	13.53	18.48	1.22
Storms / hail storm	50.00		25.00	25.00	



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Selected Indicator: **Household Exposure to Hazards**

<u>Disaster Type</u>	<u>General Exposure</u>	<u>Last Five Years Exposure</u>
Drought	24.75	22.49
Livestock diseases	21.90	20.43
Heat waves/ High temp	14.47	14.17
Human diseases	11.48	12.18
Flood	7.76	6.45
Heavy Rain	6.10	6.45
Conflicts	4.25	5.26
Economic / Price shock	3.32	4.79
Landslide	1.53	1.73
Frost / Cold waves	1.39	1.53
Crop diseases	1.33	2.00
Other	0.86	1.31
Storms / hail storm	0.60	0.53
Forest Fires	0.27	0.60
Earthquake		0.27



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Selected Indicator:

Months of Occurrence of Frequent Disasters

	A - Sep (Meskerem)	B - Oct (Tikimt)	C - Nov (Hidar)	D - Dec (Tahsas)	E - Jan (Tir)	F - Feb (Yekatit)	G - Mar (Megabit)	H - Apr (Meazea)	I - May (Ginbot)	J - Jun (Sene)	K - Jul (Hamle)	L - Aug (Nehase)
Conflicts		1.69	1.69	8.47	10.17	11.86	23.73	15.25	13.56	6.78	3.39	
Crop diseases				6.67		20.00	13.33	13.33	33.33	13.33		
Drought		2.34	1.34	1.00	2.01	22.07	19.40	19.06	25.75	4.68		0.33
Earthquake								50.00	50.00			
Economic / Price shock	1.54		1.54		12.50	12.50	9.23	23.08	43.08	12.50	12.50	4.62
Flood		8.33		7.29		4.17	10.42	35.42	13.54	8.33	2.08	10.42
Frost / Cold waves		21.74	26.09	4.35	8.70	17.39	17.39	4.35				
Heat waves/ High temp	0.57	3.98		1.70	1.70	7.39	15.34	10.23	35.80	16.48	2.27	3.41
Heavy Rain	1.05	2.11	5.26	1.05	6.32	6.32	6.32	14.74	12.63	13.68	3.16	27.37
Landslide			3.85		11.54	11.54	11.54	30.77	7.69	7.69	15.38	
Livestock diseases	2.74	6.16	6.85	2.57	15.44	10.66	23.97	20.59	17.28	9.19	7.72	2.05
Storms / hail storm						25.00	12.50	25.00	12.50	12.50		12.50



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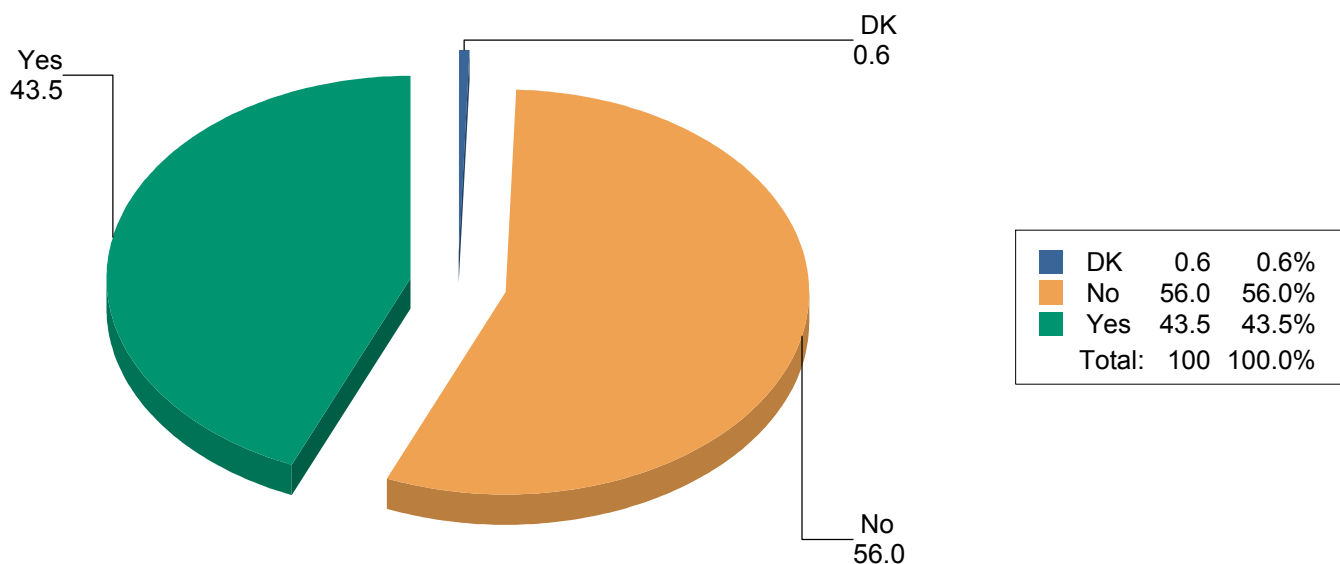
<u>Region</u>	AFAR	<u>Zone</u>	ZONE 4	<u>Wereda</u>	GOLINA
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Selected Indicator:

Conflicts: Perception of households on conflict issues - Is conflict an issue in this community?

<u>Is Conflict an Issue in Community?</u>	<u>Response</u>	<u>Percent</u>
Yes	43.49	
No	55.96	
DK	0.55	

Is Conflict an Issue in Community?





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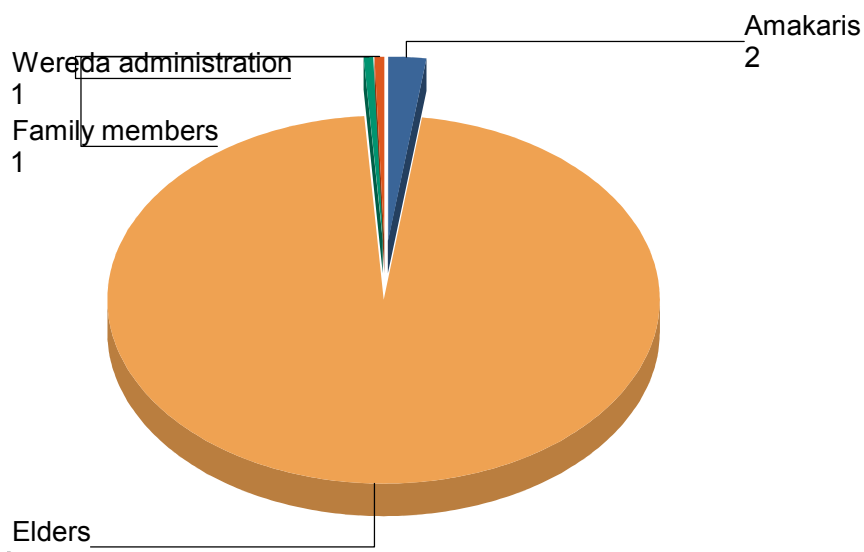
<u>Region</u>	AFAR	<u>Zone</u>	ZONE 4	<u>Wereda</u>	GOLINA
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Selected Indicator:

Conflicts: Perception of households on conflict issues - Who To Turn To in case of Conflict?

<u>Who To Turn During Conflict?</u>	<u>Response</u>	<u>Percentage</u>
Family members		0.53
Elders		96.83
Amakaris		2.12
Wereda administration		0.53

Who To Turn During Conflict?



Amakaris	2	2.1%
Elders	97	96.8%
Family members	1	0.5%
Wereda administration	1	0.5%
Total:	100	100.0%



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Selected Indicator: Losses from Disasters - Losses from all disasters (household response in %)

<u>Type of Loss</u>	<u>Main Loss Percent</u>	<u>Secondary Loss Percent</u>
Physical damages on houses and property	28.31	11.71
Physical damages on houses and property	6.96	5.46
Crop damage	2.65	3.12
Death of household members	3.71	7.18
Illness/health problems	8.78	7.57
Loss of access to social services, including school	2.50	6.48
Loss of income	7.80	16.78
Loss of savings	3.10	4.37
Loss of savings	2.73	5.62
Lost access to grazing land	14.38	9.76
Lost access to water source	7.34	13.04
Had to flee/change residence area	9.46	6.17
Other losses/damages	1.89	1.95
DK	0.23	0.31
NA	0.15	0.47



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Selected Indicator:

Losses from Disasters - Main Losses by Type of Disasters (household response in %)

Type of Loss Type of Disasters which mainly caused Listed Losses

Type of Loss	Conflicts	Crop diseases	Drought	Earthquake	Economic / Price shock	Flood	Forest Fires	Frost / Cold waves	Heat waves/ High temp	Heavy Rain	Human diseases	Landslide	Livestock diseases	Storms / hail storm
Crop damage	11.67	6.25	2.19		3.03	4.17			1.19	1.08	5.48		1.11	
Death of household members	1.67	25.00	1.88	25.00	4.55	2.08	11.11	9.09	0.60	4.30	10.96	4.00	2.22	
Had to flee/change residence area	3.33	6.25	6.27		31.82	3.13		4.55	24.40	2.15	3.42	8.00	9.26	
Illness/health problems	6.67	6.25	3.45		13.64	10.42	44.44	13.64	6.55	4.30	25.34	4.00	7.41	
Livestock damage	26.67	6.25	42.63	25.00	15.15	21.88	11.11	31.82	20.24	24.73	6.85	32.00	38.50	25.00



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Selected Indicator: Losses from Disasters - Main Losses by Type of Disasters (household response in %)

Type of Loss Type of Disasters which mainly caused Listed Losses

Type of Loss	Conflicts	Crop diseases	Drought	Earthquake	Economic / Price shock	Flood	Forest Fires	Frost / Cold waves	Heat waves/ High temp	Heavy Rain	Human diseases	Landslide	Livestock diseases	Storms / hail storm
Livestock were stolen	8.33		1.25			2.08		4.55	4.17	4.30	4.11	8.00	2.59	25.00
Loss of access to social services, including school	3.33	6.25	1.88		6.06	1.04		9.09	1.79	1.08	6.16	4.00	1.11	
Loss of income	10.00	6.25	7.52		3.03	16.67		9.09	5.36	8.60	6.85	12.00	8.52	
Loss of savings	6.67		0.63		4.55	3.13	11.11		2.98	1.08	6.85		2.22	
Lost access to grazing land	10.00	6.25	15.05	50.00	4.55	14.58	11.11		20.24	19.35	10.96	8.00	13.33	12.50



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Selected Indicator:

Losses from Disasters - Main Losses by Type of Disasters (household response in %)

Type of Loss Type of Disasters which mainly caused Listed Losses

	Conflicts	Crop diseases	Drought	Earthquake	Economic / Price shock	Flood	Forest Fires	Frost / Cold waves	Heat waves/ High temp	Heavy Rain	Human diseases	Landslide	Livestock diseases	Storms / hail storm
Lost access to water source	3.33		8.78		6.06	11.46	11.11	13.64	5.36	6.45	4.11	4.00	9.26	12.50
Other losses/damages									0.60	1.08				
Physical damages on houses and property	8.33	25.00	7.21		7.58	7.29		4.55	4.76	17.20	7.53	16.00	2.59	



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Selected Indicator:

Losses from Disasters - Secondary Losses by Type of Disasters (household response in %)

Type of Loss

Type of Disasters which caused Listed Secondary Losses

	Conflicts	Crop diseases	Drought	Earthquake	Economic / Price shock	Flood	Forest Fires	Frost / Cold waves	Heat waves/ High temp	Heavy Rain	Human diseases	Landslide	Livestock diseases
Crop damage	1.69	12.50	1.91		3.17	4.17	11.11		3.23	1.10	6.34		3.07
Death of household members	6.78	6.25	6.05		12.70	6.25		27.27	5.16	4.40	17.61	8.00	3.45
Had to flee/change residence area	13.56	6.25	2.23		6.35	3.13	22.22	4.55	14.19	7.69	4.23	4.00	6.51
Illness/health problems	15.25	12.50	7.96	25.00	4.76	5.21		18.18	2.58	7.69	13.38	8.00	4.98
Livestock damage	5.08		14.97		4.76	9.38	11.11	4.55	5.81	15.38	6.34		18.77

Storms / hail storm
25.00
12.50



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Selected Indicator:

Losses from Disasters - Secondary Losses by Type of Disasters (household response in %)

Type of Loss	Type of Disasters which caused Listed Secondary Losses												
	Conflicts	Crop diseases	Drought	Earthquake	Economic / Price shock	Flood	Forest Fires	Frost / Cold waves	Heat waves/ High temp	Heavy Rain	Human diseases	Landslide	Livestock diseases
Livestock were stolen	8.47	12.50	1.59		4.76	8.33	11.11	4.55	5.16	3.30	7.04	4.00	2.68
Loss of access to social services, including school	8.47	18.75	7.01		1.59	6.25		22.73	3.23	1.10	11.27	8.00	6.51
Loss of income	3.39	6.25	20.70		30.16	20.83	22.22	9.09	5.81	20.88	6.34	32.00	22.22
Loss of savings	3.39		0.96						3.23	4.40	10.56		13.41
Lost access to grazing land	8.47	12.50	11.15	75.00	9.52	11.46	11.11		17.42	13.19	6.34	20.00	4.60

Storms / hail storm
25.00
12.50



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Selected Indicator:

Losses from Disasters - Secondary Losses by Type of Disasters (household response in %)

Type of Loss	Type of Disasters which caused Listed Secondary Losses												
	Conflicts	Crop diseases	Drought	Earthquake	Economic / Price shock	Flood	Forest Fires	Frost / Cold waves	Heat waves/ High temp	Heavy Rain	Human diseases	Landslide	Livestock diseases
Lost access to water source	15.25	12.50	17.52		11.11	15.63	11.11		22.58	15.38	2.82	8.00	7.66
Other losses/damages						2.08			3.23	3.30	0.70	4.00	2.30
Physical damages on houses and property	8.47		7.01		6.35	6.25		9.09	6.45	2.20	6.34		3.45

Storms / hail storm
12.50
12.50



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Region	AFAR	Zone	ZONE 4	Wereda	GOLINA
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Selected Indicator: Seasonal Calendar for Hazards, Activities and Income Level By Kebele

Month of Hazard	Major Problems /Disasters	Hazard Severity Rank	Agricultural Activities	Income Level Rank
Kebele Name AYIGANA BURTATE				
J - Jun (Sene)	Drought	3		-----
K - Jul (Hamle)	Drought	3		-----
L - Aug (Nehase)	Drought	3		-----
Kebele Name DARAYITU				
E - Jan (Tir)	Drought, animal disease	1	Livestock activities	1st
F - Feb (Yekatit)	Drought, animal disease	2	Livestock activities	11th
G - Mar (Megabit)		-----	Livestock activities	9th
H - Apr (Meazea)	Human disease and animal disease goat	-----	Livestock activities	5th
I - May (Ginbot)	Drought	-----	Livestock activities	8th
J - Jun (Sene)	Drought	3	Livestock activities	12th
K - Jul (Hamle)	Food price increase	-----	Livestock activities	7th
L - Aug (Nehase)		-----	Livestock activities	6th

NOTE: Hazard Severity Rank helps prioritize the more severe hazards that have occurred in the months of disaster occurrence, 3 being the worst and 1 the least severe hazards.



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Region	AFAR	Zone	ZONE 4	Wereda	GOLINA
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Selected Indicator: Seasonal Calendar for Hazards, Activities and Income Level By Kebele

Month of Hazard	Major Problems /Disasters	Hazard Severity Rank	Agricultural Activities	Income Level Rank
A - Sep (Meskerem)	Human disease (malaria)	-----	Livestock activities	3rd
B - Oct (Tikimt)	Human disease (malaria)	-----	Livestock activities	1st
C - Nov (Hidar)	Human disease (malaria)	-----	Livestock activities	2nd
D - Dec (Tahsas)	Drought	-----	Livestock activities	4th
Kebele Name FOKISA				
F - Feb (Yekatit)	Drought	1		-----
G - Mar (Megabit)	Drought	3		-----
G - Mar (Megabit)	Drought	-----		-----
I - May (Ginbot)	Drought	2		-----
J - Jun (Sene)	Drought	-----		-----
E - Jan (Tir)	Shortage of water	3		-----
F - Feb (Yekatit)	Drought	3		-----
G - Mar (Megabit)	Drought	3		-----

NOTE: Hazard Severity Rank helps prioritize the more severe hazards that have occurred in the months of disaster occurrence, 3 being the worst and 1 the least severe hazards.



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Region	AFAR	Zone	ZONE 4	Wereda	GOLINA
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Selected Indicator: Seasonal Calendar for Hazards, Activities and Income Level By Kebele

Month of Hazard	Major Problems /Disasters	Hazard Severity Rank	Agricultural Activities	Income Level Rank
H - Apr (Meazea)	Drought	3		-----
I - May (Ginbot)	Drought	3		-----
J - Jun (Sene)	Animal disease	3		-----
K - Jul (Hamle)	Animal disease	2		-----
L - Aug (Nehase)	Animal disease	1		-----
Kebele Name HOMECHO DAYO				
E - Jan (Tir)	Drought	3		-----
F - Feb (Yekatit)	Drought	3		-----
G - Mar (Megabit)	Drought	3		-----
H - Apr (Meazea)	Lack of potable water	3		-----
I - May (Ginbot)	Lack of potable water	3		-----
J - Jun (Sene)	Lack of potable water	3		-----
K - Jul (Hamle)	Lack of potable water	3		-----

NOTE: Hazard Severity Rank helps prioritize the more severe hazards that have occurred in the months of disaster occurrence, 3 being the worst and 1 the least severe hazards.



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Selected Indicator: Seasonal Calendar for Hazards, Activities and Income Level By Kebele

<u>Month of Hazard</u>	<u>Major Problems /Disasters</u>	<u>Hazard Severity Rank</u>	<u>Agricultural Activities</u>	<u>Income Level Rank</u>
L - Aug (Nehase)	Lack of potable water	3		-----
A - Sep (Meskerem)	Lack of potable water	3		-----
B - Oct (Tikimt)	Lack of potable water	3		-----
C - Nov (Hidar)	Lack of potable water	3		-----
D - Dec (Tahsas)	Lack of potable water	3		-----
<u>Kebele Name</u> KELEWANA				
E - Jan (Tir)	Livestock activities	-----		10th
F - Feb (Yekatit)	Livestock activities	-----		11th
G - Mar (Megabit)	Livestock activities	-----		9th
H - Apr (Meazea)	Livestock activities	-----		5th
I - May (Ginbot)		-----	Livestock activities	8th
J - Jun (Sene)		-----	Livestock activities	12th
K - Jul (Hamle)	Livestock activities	-----		7th

NOTE: Hazard Severity Rank helps prioritize the more severe hazards that have occurred in the months of disaster occurrence, 3 being the worst and 1 the least severe hazards.



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Wereda GOLINA

Selected Indicator: Seasonal Calendar for Hazards, Activities and Income Level By Kebele

<u>Month of Hazard</u>	<u>Major Problems /Disasters</u>	<u>Hazard Severity Rank</u>	<u>Agricultural Activities</u>	<u>Income Level Rank</u>
L - Aug (Nehase)	Livestock activities	-----		6th
A - Sep (Meskerem)		-----	Livestock activities	3rd
B - Oct (Tikimt)		-----	Livestock activities	1st
C - Nov (Hidar)		-----	Livestock activities	2nd
D - Dec (Tahsas)		-----	Livestock activities	4th
<u>Kebele Name</u> MULENA ASALE				
E - Jan (Tir)	Human disease	1		-----
F - Feb (Yekatit)	Human disease	-----		-----
G - Mar (Megabit)	Animal disease	-----		-----
G - Mar (Megabit)	Animal disease	2		-----
I - May (Ginbot)	Drought	-----		-----
J - Jun (Sene)	Drought	3		-----
K - Jul (Hamle)	Drought	-----		-----

NOTE: Hazard Severity Rank helps prioritize the more severe hazards that have occurred in the months of disaster occurrence, 3 being the worst and 1 the least severe hazards.



Wereda Disaster Risk Profile

National Disaster Risk Management Commission (NDRMC)



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Region	AFAR	Zone	ZONE 4	Wereda	GOLINA
Selected Indicator: Seasonal Calendar for Hazards, Activities and Income Level By Kebele					
Month of Hazard	Major Problems /Disasters	Hazard Severity Rank	Agricultural Activities	Income Level Rank	
Kebele Name	WENASANA HERE GERBO				
E - Jan (Tir)	Drought, Animal disease	-----	Livestock activities	10th	
F - Feb (Yekatit)	Drought, Animal disease	1	Livestock activities	11th	
G - Mar (Megabit)	Drought, Animal disease	2	Livestock activities	9th	
H - Apr (Meazea)	Animal disease, Human disease	-----	Livestock activities	5th	
I - May (Ginbot)	Drought	-----	Livestock activities	8th	
J - Jun (Sene)	Drought	3	Livestock activities	12th	
K - Jul (Hamle)		-----	Livestock activities	7th	
L - Aug (Nehase)		-----	Livestock activities	6th	
A - Sep (Meskerem)		-----	Livestock activities	3rd	
B - Oct (Tikimt)	Human disease	-----	Livestock activities	1st	
C - Nov (Hidar)	Human disease	-----	Livestock activities	2nd	
D - Dec (Tahsas)	Drought	-----	Livestock activities	4th	

NOTE: Hazard Severity Rank helps prioritize the more severe hazards that have occurred in the months of disaster occurrence, 3 being the worst and 1 the least severe hazards.

WDRP Indicators

Infrastructure Access Characteristics



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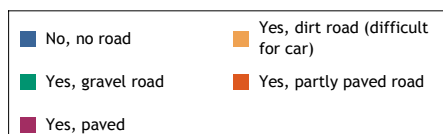
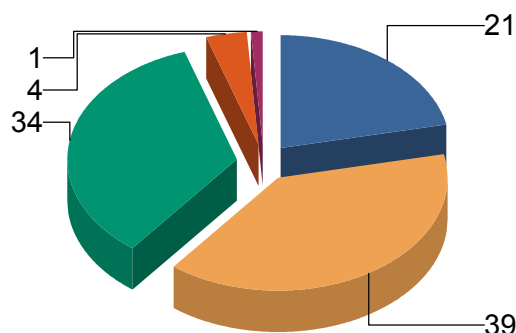
<u>Region</u>	AFAR	<u>Zone</u>	ZONE 4	<u>Wereda</u>	GOLINA
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Selected Indicator

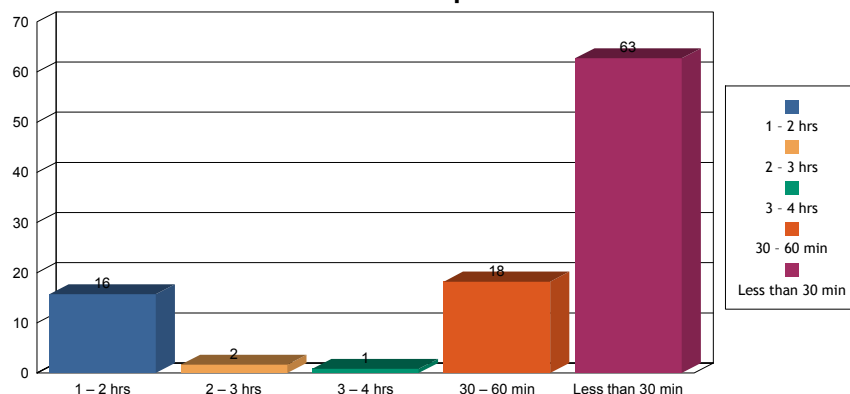
Physical Vulnerability: Access to Roads & Urban Centres - Households access to road and urban centre

<u>Type of Road</u>	<u>Response</u>	<u>Time to Nearest Paved Road (Mins.)</u>	<u>Response</u>	<u>Time To Nearest Urban Center (Mins.)</u>	<u>Response</u>
Yes, paved	1.13	Less than 30 min	62.75	Less than 1 hr	30.31
Yes, partly paved road	3.95	30 - 60 min	18.21	1 - 2 hrs	5.95
Yes, gravel road	34.18	1 - 2 hrs	15.69	2 - 4 hrs	29.18
Yes, dirt road (difficult for car)	38.70	2 - 3 hrs	1.68	4 - 6 hrs	16.43
No, no road	21.47	3 - 4 hrs	0.84	More than 6 hrs	0.84
<u>Avg Time To Nearest Urban Center(Mins.)</u>		489.00	<u>Avg Time To Nearest Paved Road</u>	39.00	

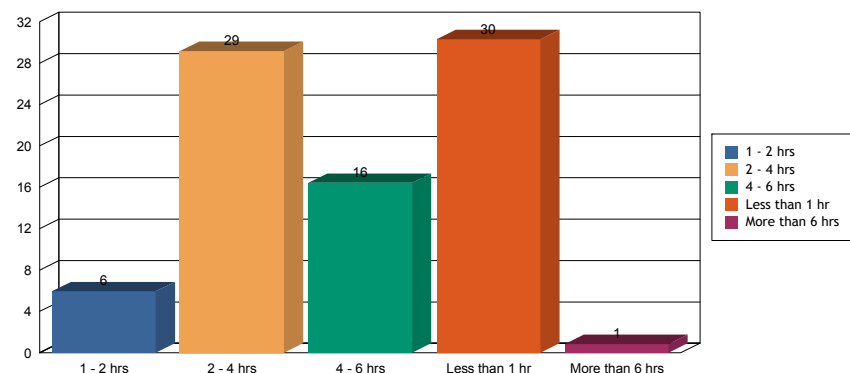
Type of Road



Time to reach the nearest paved road from the HH



Time to reach nearest urban center from the HH





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<u>Region</u>	AFAR	<u>Zone</u>	ZONE 4	<u>Wereda</u>	GOLINA
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Selected Indicator

Physical Vulnerability: Access to Electricity - Households access and utilization of electricity

Household Located In Electricity 0.80

Household Connected To Electricity 0.50



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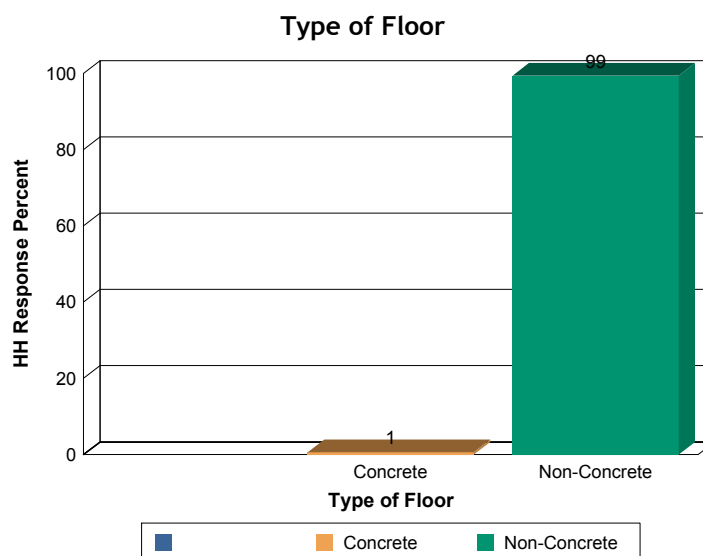
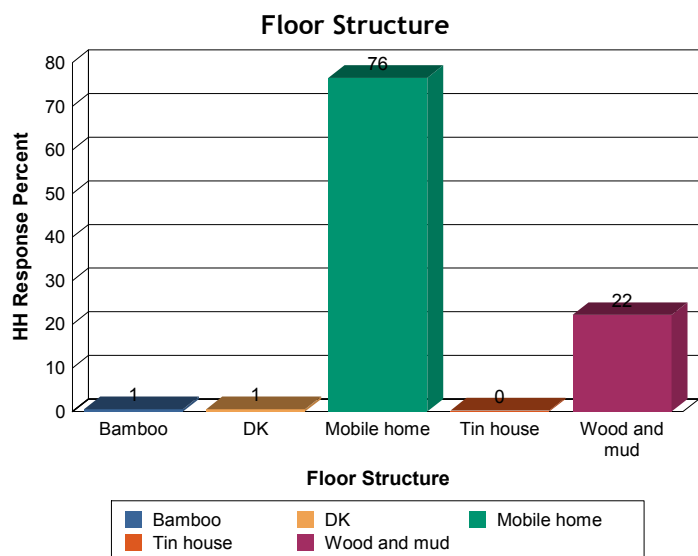
Tuesday, February 16, 2021

Region	AFAR	Zone	ZONE 4	Wereda	GOLINA
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Selected Indicator

Physical Vulnerability: Type of Dwelling Units - Households type of dwelling houses

Floor Structure	HH Response	Type of Floor	HH Response
Wood and mud	22.16	Non-Concrete	99.40
Tin house	0.27	Concrete	0.60
Bamboo	0.54		
Mobile home	76.49		
DK	0.54		



WDRP Indicators

Socio Demographic Characteristics



Wereda Disaster Risk Profile

National Disaster Risk Management Commission (NDRMC)



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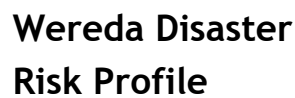
Tuesday, February 16, 2021

Region	AFAR	Zone	ZONE 4	Wereda	GOLINA
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Selected Indicator

Economic Vulnerability: Level of Migration - Migration level and its characteristics by Kebele

Kebele Name	Approx No.	Age Group	Sex	Migration Period	Migration Trend	Migration Reason	Destination
DARAYITU	70	All age group	Male and f		Increased	Economic hardship	Rural area, Amhara neighbour to Raya
AYIGANA BURTATE	0				Increased	Economic hardship, loss of assets	
FOKISA	200	Adult	All		Increased	Economic hardship, loss of assets	
HOMECHO DAYO	150	All	All		Increased	Economic hardship	
KELEWANA	0	Adult	Male and f		Increased	Economic hardship	Rural area, Amhara border



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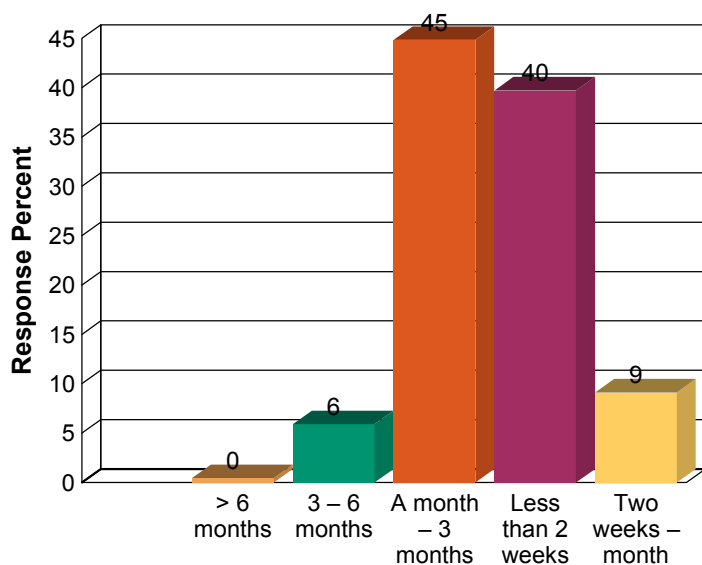
Selected Indicator

Economic Vulnerability: Household Migration - Household migration and reason for migration

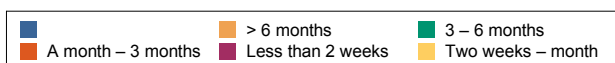
Households who migrated (%)	0.00
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Duration of Migration	Response Percent	Migration Reason	Response Percent
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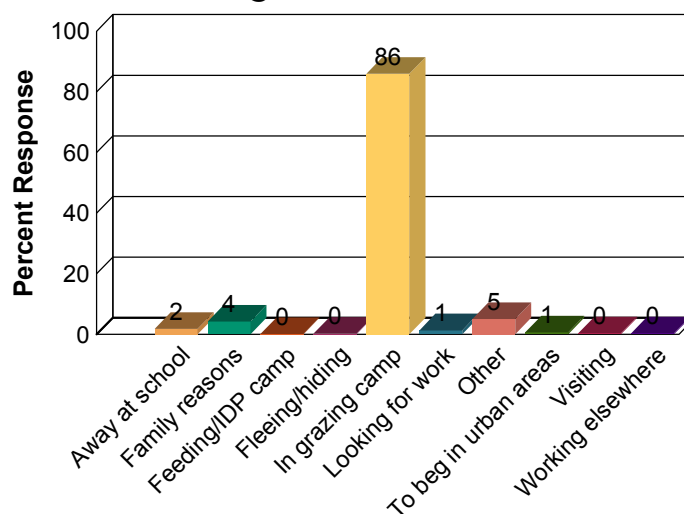
Duration of Migration



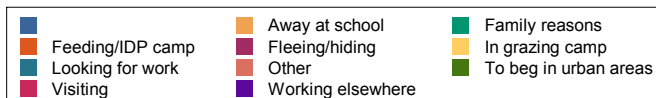
Duration of Migration



Migration Reason



Migration Reason





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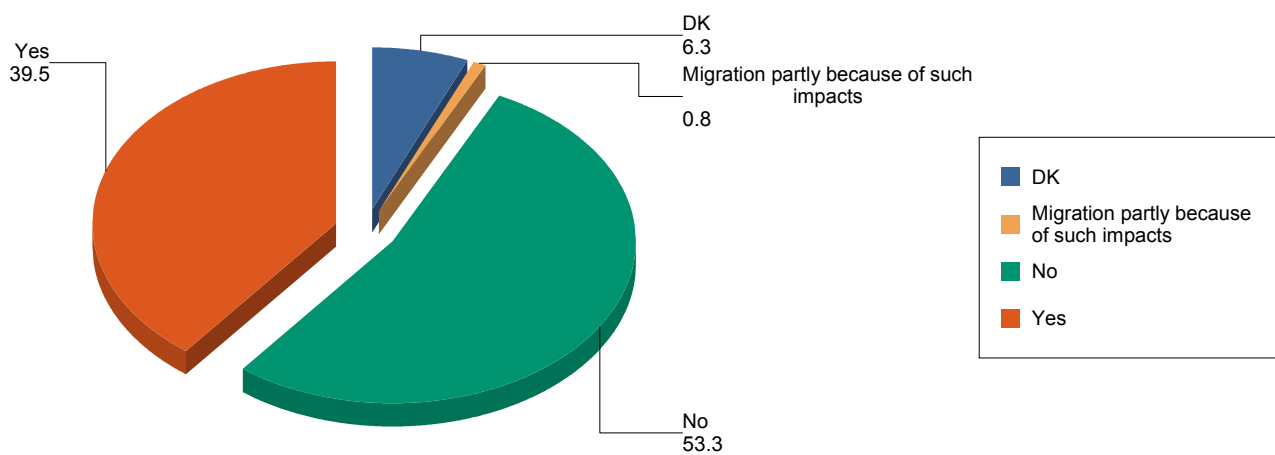
<u>Region</u>	AFAR	<u>Zone</u>	ZONE 4	<u>Wereda</u>	GOLINA
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Selected Indicator

Economic Vulnerability: Household Migration - Disasters as a triggering factor for migration (households response in %)

<u>Is Migration Due to Hazard?</u>	<u>HH Response - Due To Hazard</u>
No	53.31
Yes	39.50
Migration partly because of such impacts	0.83
DK	6.35

Is Migration Due to Hazard?





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Region AFAR Zone ZONE 4 Wereda GOLINA

Selected Indicator:

Demography: Population Structure

KEY:

Male

Female

	A-Children (0-12 yrs)	B-Youth (12-25 yrs)	C-Working (25-55 yrs)	D-Older (Above 55)
AYIGANA BURTATE		25	20	5
		25	10	6
FOKISA	2	20	20	4
	10	30	20	1
HOMECHO DAYO	4	10	35	4
	8	18	20	1
KELEWANA	4	25	20	5
	6	25	10	5
MULENA ASALE	4	25	20	5
	6	25	10	5



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Region AFAR Zone ZONE 4 Wereda GOLINA

Selected Indicator **Demography: Population Trends and Ethnic Groups**

<u>Kebele Name</u>	<u>Population Change Trend</u>	<u>Population Change Reasons</u>	<u>Ethnic Groups</u>
DARAYITU	Increased	Large population size	
MULENA ASALE	Increased	More children	
AYIGANA BURTATE	Increased	More children	
FOKISA	Increased	Large population size	
HOMECHO DAYO	Increased	More children	
GALIKOMA	Increased	More children	
KELEWANA	Increased	More children	
WENASANA HERE GERBO	Increased	Large population size	



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<u>Region</u>	AFAR	<u>Zone</u>	ZONE 4	<u>Wereda</u>	GOLINA
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Selected Indicator

Social Vulnerability: Household Demographic Characteristics - Demographic characteristics of households

<u>Demographic Indicator</u>	<u>Indicator Value</u>	<u>Comments</u>
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Average household size

5.8

Sex ratio

801.0

Number of females per 1000 males

Child sex ratio (under 14 yrs)

757.0

Number of females per 1000 males

Adult sex ratio (18 & Above yrs)

899.0

Number of females per 1000 males

Dependency ratio $\left(\frac{[(0-14)+(64+)]}{(15-64)} \right)$ yrs)

0.9



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Region	AFAR	Zone	ZONE 4	Wereda	GOLINA
Selected Indicator					
Social Vulnerability: Level of Educational Attainment - Education status of household members					
General Awareness	Percentage	Educational Level		Percentage	
Read and understand text - Easily	8.30	From Proportion of population (7+) - Less than 1st grade		69.53	
Read and understand text - with difficulty	6.30	From Proportion of population (7+) - Primary (1-6)		26.80	
Can write letters - easily	8.30	From Proportion of population (7+) - Secondary (7-12)		4.44	
Can write letters - with difficulty	5.50	From Proportion of population (15+) - Less than 1st grade		83.10	
		From Proportion of population (15+) - Primary (1-6)		10.73	
		From Proportion of population (15+) - Secondary (7-12)		6.18	
General Literacy Rate	Percentage	Adult Literacy Rate		Percentage	
	0.00			0.00	



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<u>Region</u>	AFAR	<u>Zone</u>	ZONE 4	<u>Wereda</u>	GOLINA
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Selected Indicator

Social Vulnerability: Gender Parity - Gender parity in education level (7+ years) and household heading

<u>Educational Level</u>		<u>Male_Percent</u>	<u>Female_Percent</u>
From Proportion of population (7+) - Less than 1st grade		52.30	47.70
From Proportion of population (7+) - Primary (1-6)		59.50	40.50
From Proportion of population (7+) - Secondary (7-12)		77.05	22.95
Male Head of HH	76.10	Female Head of HH	23.90

WDRP Indicators

Environmental Characteristics



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Region AFAR Zone ZONE 4 Wereda GOLINA

Selected Indicator

**Environmental Situation: General Land Quality - Perceptions of the community
on changes in the general quality of land over a decade**

<u>KebeleName</u>	<u>Current Situation</u>	<u>Change Last Decade</u>	<u>Comment</u>
DARAYITU	Decreased	Reduction of livestock and livestock products	
MULENA ASALE	Deforestation, Drought, loss of rain fall	Over grazing	
AYIGANA BURTATE	Deforestation, Drought, loss of rain fall	Over grazing	
FOKISA	Decreased	Absence of pasture, high temperature	
HOMECHO DAYO	Decreased	Drought, low pasture production	
GALIKOMA	Deforestation, Drought, loss of rain fall	Over grazing	
KELEWANA	Land cover decreased		
WENASANA HERE GERBO	Decreased	Reduction of livestock	



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Region	AFAR	Zone	ZONE 4	Wereda	GOLINA
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Selected Indicator

Environmental Situation: Changes in Landscape - Changes observed by the community on landscape and the problems due to the changes

<u>KebeleName</u>	<u>Changes Observed</u>	<u>Problems Due To Changes</u>
DARAYITU	Decreased	Reduction of livestock and livestock products
MULENA ASALE	Deforestation, Drought, loss of rain fall	Over grazing
AYIGANA BURTATE	Deforestation, Drought, loss of rain fall	Over grazing
FOKISA	Decreased	Absence of pasture, high temperature
HOMECHO DAYO	Decreased	Drought, low pasture production
GALIKOMA	Deforestation, Drought, loss of rain fall	Over grazing
KELEWANA	Land cover decreased	
WENASANA HERE GERBO	Decreased	Reduction of livestock



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<u>Region</u>	AFAR	<u>Zone</u>	ZONE 4	<u>Wereda</u>	GOLINA
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Selected Indicator

Environmental Situation: Deforestation - Observed changes over levels of deforestation by the community and its problems

<u>KebeleName</u>	<u>Changes_Observed</u>	<u>Problems_Due_To_Changes</u>
DARAYITU	Increased	Drought, reduction of rain fall
MULENA ASALE	Increased	Over use of wood and charcoal
AYIGANA BURTATE	Increased	Over use of wood and charcoal
FOKISA	Increased	High temperature, lack of rain fall
HOMECHO DAYO	Increased	Change weather condition
GALIKOMA	Increased	Over using of wood charcoal
KELEWANA	Increased	
WENASANA HERE GERBO	Increased	Reduction of rain fall



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<u>Region</u>	AFAR	<u>Zone</u>	ZONE 4	<u>Wereda</u>	GOLINA
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Selected Indicator

Environmental Situation: Natural Resources Availability - Natural resources available and changes observed by the community

<u>KebeleName</u>	AYIGANA BURTATE
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<u>Resources_1</u>	Land	<u>Resources_3</u>	Forest
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<u>Observed_Change_1</u>	Decreased	<u>Observed_Change_3</u>	Decreased
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<u>Problems_Changes_1</u>	By flood lower grazing	<u>Problems_Changes_3</u>	Over use of wood
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<u>Resources_2</u>	Water	<u>Resources_4</u>	
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<u>Observed_Change_2</u>	Decreased	<u>Observed_Change_4</u>	
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<u>Problems_Changes_2</u>	Drought /lack of rain fall	<u>Problems_Changes_4</u>	
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<u>KebeleName</u>	DARAYITU
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<u>Resources_1</u>	Land	<u>Resources_3</u>	Forest
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<u>Observed_Change_1</u>	Decreased	<u>Observed_Change_3</u>	Decreased
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<u>Problems_Changes_1</u>	Drought	<u>Problems_Changes_3</u>	Drought /temperature
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<u>Resources_2</u>	Water	<u>Resources_4</u>	
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<u>Observed_Change_2</u>	Decreased	<u>Observed_Change_4</u>	
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<u>Problems_Changes_2</u>	Drought /scarcity of water	<u>Problems_Changes_4</u>	
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<u>KebeleName</u>	FOKISA
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Region	AFAR	Zone	ZONE 4	Wereda	GOLINA
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Selected Indicator

Environmental Situation: Natural Resources Availability - Natural resources available and changes observed by the community

<u>Resources_1</u>	Land	<u>Resources_3</u>	Forest
<u>Observed_Change_1</u>	Decreased	<u>Observed_Change_3</u>	Decreased
<u>Problems_Changes_1</u>	Drought, famine	<u>Problems_Changes_3</u>	High temperature
<u>Resources_2</u>	Water	<u>Resources_4</u>	
<u>Observed_Change_2</u>	Decreased	<u>Observed_Change_4</u>	
<u>Problems_Changes_2</u>	Famine, scarcity of water	<u>Problems_Changes_4</u>	

KebeleName	GALIKOMA
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<u>Resources_1</u>	Land	<u>Resources_3</u>	Forest
<u>Observed_Change_1</u>	Decreased	<u>Observed_Change_3</u>	Decreased
<u>Problems_Changes_1</u>	By flood, over grazing	<u>Problems_Changes_3</u>	Over use of wood
<u>Resources_2</u>	Water	<u>Resources_4</u>	
<u>Observed_Change_2</u>	Decreased	<u>Observed_Change_4</u>	
<u>Problems_Changes_2</u>	Drought, lack of rain fall	<u>Problems_Changes_4</u>	

KebeleName	HOMECHO DAYO
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Selected Indicator

Environmental Situation: Natural Resources Availability - Natural resources available and changes observed by the community

<u>Resources_1</u>	Land	<u>Resources_3</u>	Forest
<u>Observed_Change_1</u>	Decreased	<u>Observed_Change_3</u>	Decreased
<u>Problems_Changes_1</u>	Drought	<u>Problems_Changes_3</u>	Temperature change
<u>Resources_2</u>	Water	<u>Resources_4</u>	
<u>Observed_Change_2</u>	Decreased	<u>Observed_Change_4</u>	
<u>Problems_Changes_2</u>	Lack of water	<u>Problems_Changes_4</u>	

<u>KebeleName</u>	KELEWANA
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<u>Resources_1</u>		<u>Resources_3</u>	
<u>Observed_Change_1</u>	Decreased	<u>Observed_Change_3</u>	
<u>Problems_Changes_1</u>		<u>Problems_Changes_3</u>	
<u>Resources_2</u>		<u>Resources_4</u>	
<u>Observed_Change_2</u>	Decreased	<u>Observed_Change_4</u>	
<u>Problems_Changes_2</u>		<u>Problems_Changes_4</u>	

<u>KebeleName</u>	MULENA ASALE
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Selected Indicator

Environmental Situation: Natural Resources Availability - Natural resources available and changes observed by the community

<u>Resources_1</u>	Land	<u>Resources_3</u>	Forest
<u>Observed_Change_1</u>	Decreased	<u>Observed_Change_3</u>	Decreased
<u>Problems_Changes_1</u>	Over grazing	<u>Problems_Changes_3</u>	Over use of wood and
<u>Resources_2</u>	Water	<u>Resources_4</u>	
<u>Observed_Change_2</u>	Decreased	<u>Observed_Change_4</u>	
<u>Problems_Changes_2</u>	Drought /lack of rain fall	<u>Problems_Changes_4</u>	

KebeleName	WENASANA HERE GERBO
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<u>Resources_1</u>	Land	<u>Resources_3</u>	Forest
<u>Observed_Change_1</u>	Decreased	<u>Observed_Change_3</u>	Decreased
<u>Problems_Changes_1</u>	Drought	<u>Problems_Changes_3</u>	Drought /temperature
<u>Resources_2</u>	Water	<u>Resources_4</u>	
<u>Observed_Change_2</u>	Decreased	<u>Observed_Change_4</u>	
<u>Problems_Changes_2</u>	Drought /scarcity of water	<u>Problems_Changes_4</u>	



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Region	AFAR		Zone	ZONE 4		Wereda	GOLINA	
Selected Indicator	Environmental Situation: Rainfall & Temperature - Observed changes on rainfall and temperature by the community over the last decade							
	Rainfall				Temperature			
	Changes Observed		Problems		Changes Observed		Problems	
Kebele Name								
DARAYITU	Decreased	Drought, water scarcity		Increased	High evaporation			
MULENA ASALE	Decreased	Drought		Increased	Drought			
AYIGANA BURTATE	Decreased	Drought		Increased	Drought			
FOKISA	Decreased	Famine, animal disease		Increased	Climate change			
HOMECHO DAYO	Decreased	Drought, water scarcity		Increased	High temperate, high evaporation			
GALIKOMA	Decreased	Drought		Increased	Drought			
KELEWANA	Decreased			Increased				
WENASANA HERE GERBO	Decreased	Water scarcity		Increased	High evaporation			



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<u>Region</u>	AFAR	<u>Zone</u>	ZONE 4	<u>Wereda</u>	GOLINA
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Selected Indicator **Environmental Situation: Reasons for Environmental Changes**

<u>KebeleName</u>	<u>Reason For Environmental Changes</u>
DARAYITU	Deforestation, increased temperature(global warming)
MULENA ASALE	Deforestation, increased temperature, drought, over grazing
AYIGANA BURTATE	Deforestation, over grazing, drought, increasing temperature
FOKISA	Deforestation
GALIKOMA	Deforestation, over grazing, drought, the temperature of their area increase to day to day
WENASANA HERE GERBO	Deforestation, increase of temperature



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Region AFAR

Zone ZONE 4

Wereda GOLINA

Selected Indicator

Environmental Situation: Soil Erosion - Observed changes on levels of soil erosion by the community

<u>KebeleName</u>	<u>Changes_Observed</u>	<u>Problems_Observed</u>
DARAYITU	Increased	Decreased quality of soil for grazing land
MULENA ASALE	Increased	Over flooding
AYIGANA BURTATE	Increased	Over flooding
FOKISA	Increased	Absence of grazing land, loss fertility
HOMECHO DAYO	Increased	Low quality of pasture
GALIKOMA	Increased	Over flooding
KELEWANA	Increased	
WENASANA HERE GERBO	Increased	Decrease quality of soil for grazing land

WDRP Indicators

**Livelihood, Occupation and Source
of Food Characteristics**



Wereda Disaster Risk Profile

National Disaster Risk Management Commission (NDRMC)



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Region	AFAR	Zone	ZONE 4	Wereda	GOLINA
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Selected Indicator

Economic Vulnerability: Major Occupational Categories - Major categories of occupation and percent of population engaged in the occupation by Kebele

Occupational Categories and Percent of Population engaged within these occupational categories

Percent (%) of Population

KebeleName	Occupation 1	Population	Occupation 2	Population	Occupation 3	Population	Occupation 4	Population
DARAYITU	Livestock production	99	Work in government office	1		0		0
FOKISA	Livestock production	100		0		0		0
HOMECHO DAYO	Livestock production	99	Government work	1		0		0
GALIKOMA	Livestock production	95		0		0		0
KELEWANA	Livestock production	99	Livestock production	1		0		0
WENASANA HERE GERBO	Livestock Production	99	Work in government office	1		0		0



Data Collected Date

Tuesday, February 16, 2021

<u>Region</u>	AFAR	<u>Zone</u>	ZONE 4	<u>Wereda</u>	GOLINA
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Selected Indicator

Economic Vulnerability: Livelihoods - Households important sources of livelihood (response in %)

Type of Livelihood Activity	Order of Importance		
	1st	2nd	3rd
Agricultural laborer	0.27	0.35	0.37
Animal herder	2.70	0.35	1.87
Buying and selling livestock (cattle, sheep, goats, camels)	23.24	26.30	10.45
Counselor (disputes, marriage)	0.27	0.35	0.00
Making traditional utensils or farm tools	0.54	0.00	0.00
Others	0.00	3.46	2.99
Rearing & selling animals (camels, cattle, sheep, goats)	53.24	35.64	13.43
Salaried job	0.81	1.73	1.12
Sale_Of_Natural_Products - Charcoal	4.59	1.38	12.69
Sale_Of_Natural_Products - Firewood	1.62	4.84	6.72
Sale_Of_Natural_Products - Incense, frankincense, and natural gum	0.27	0.00	0.00
Sale_Of_Natural_Products - Precious stones (gold, gem-stones)	0.27	1.04	0.00
Sale_Of_Natural_Products - Water	1.08	0.00	0.00



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<u>Region</u>	AFAR	<u>Zone</u>	ZONE 4	<u>Wereda</u>	GOLINA
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Selected Indicator

Economic Vulnerability: Livelihoods - Households important sources of livelihood (response in %)

Type of Livelihood Activity	Order of Importance		
	1st	2nd	3rd
Selling Chat / Khat	0.54	0.00	0.00
Selling dairy products (milk, butter, ghee, cheese)	7.84	21.80	44.78
Selling hides and skins (from goats, sheep, cattle)	0.27	0.69	0.75
Selling meat (from own livestock)	0.27	0.35	1.49
Selling tea, coffee, cake, bread, "areki", "tella"	1.35	0.00	0.00
Water-carrier, Porter	0.54	1.38	3.36



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Region	AFAR	Zone	ZONE 4	Wereda	GOLINA
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Selected Indicator

**Economic Vulnerability: Occupational Categories - Percent of population
above 15 years age by occupation categories**

Type of Livelihood Activity	Main Occupation	Secondary Occupation
	1st Occupation	2nd Occupation
A)Below school age children	1.17	
B)Student	10.26	6.30
C)Unemployed & seeking work	3.26	5.34
CIFA		0.38
D)Neither studying nor working nor seeking work	0.70	0.76
E)Retired/ Old	2.56	1.34
F)Cultivator	0.12	0.19
G)Agricultural labourer	0.23	0.95
H)Livestock rearing	48.95	35.31
I)Non-agricultural labour	1.17	4.39
J)Craftsman		1.15
K)Shopkeeper and Petty trade	0.47	0.57
L)Home-maker (housewife)	26.92	23.09
M)Salaried	2.45	2.48
N)Chronically ill	0.12	
O)Physically disabled	0.12	
P)Others (specify)	1.52	17.75



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Region AFAR Zone ZONE 4 Wereda GOLINA

Selected Indicator: Economic Vulnerability: Sources of Food - Households source for different food items (response in %)

Source of Food		Types of Food Item											
		A)Injera	B)Other cereals	C)Potatoes	D)Pasta	E)Sugar	F)Beans	G)Vegetables	H)Fruits	I)Beef	J)Poultry	K)Fish	L)Milk
A)Own cultivation/production		2.30	6.50			3.30	3.00		28.60	88.00	66.70	50.00	84.00
B)Casual labor			3.70		6.80	3.90							2.50
C)Borrowed			0.50							1.20			0.40
D)Gifts from friends/neighbors		2.30				1.10				2.40			1.20
E)Purchases from main shop		2.30	3.70		45.50		3.00		28.60	1.20			1.60



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Region AFAR Zone ZONE 4 Wereda GOLINA

Selected Indicator: Economic Vulnerability: Sources of Food - Households source for different food items (response in %)

Source of Food	Types of Food Item											
	A)Injera	B)Other cereals	C)Potatoes	D)Pasta	E)Sugar	F)Beans	G)Vegetables	H)Fruits	I)Beef	J)Poultry	K)Fish	L)Milk
F)Free meals/Food assistance	4.70	44.40			1.10	78.80		14.30	2.40	33.30		
G)Purchase from roadside vendor/tuck shop	55.80	29.40	100.00	40.90	61.70	15.20	100.00				50.00	9.50
J)Begging												0.40
K)Other		11.20		2.30	1.20			14.30	4.80			

WDRP Indicators

Crop Production Characteristics



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<u>Region</u>	AFAR	<u>Zone</u>	ZONE 4	<u>Wereda</u>	GOLINA
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Selected Indicator:

Agricultural Situation: Access to Extension - Perception of the community on
Access to Agricultural extension Services

<u>KebeleName</u>	<u>Current_Level</u>	<u>Change_In_Last_Decade</u>	<u>Comments</u>
MULENA ASALE	No access		
AYIGANA BURTATE	No access	Decrease	
FOKISA	Increase	Increase	



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<u>Region</u>	AFAR	<u>Zone</u>	ZONE 4	<u>Wereda</u>	GOLINA
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Selected Indicator:

Agricultural Situation: Access to Inputs - Perception of the community on access to improved agricultural inputs

<u>KebeleName</u>	<u>Current Level</u>	<u>Change In Last Decade</u>	<u>Comments</u>
MULENA ASALE	No access		
AYIGANA BURTATE	No access		
FOKISA	Increase	Increase	
GALIKOMA	There is no access to agricultural	There is no access	
WENASANA HERE GERBO	Medium	Increase	



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Selected Indicator:

Agricultural Situation: Water for irrigation - Access to water for irrigation in the community

<u>KebeleName</u>	<u>Current_Level</u>	<u>Change_In_Last_Decade</u>	<u>Comments</u>
DARAYITU	Low	Decrease	
MULENA ASALE	No access to irrigation water	No access	
AYIGANA BURTATE	No water for irrigation	There is no access	
FOKISA	Decrease	Increase	
HOMECHO DAYO	Low	Decrease	Environmental change
GALIKOMA	There is no water for irrigation	There is no access	
KELEWANA	No access		
WENASANA HERE GERBO	Low	Decrease	



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Selected Indicator:

Agricultural Situation: Soil Fertility - Perception of the community on soil fertility and its change over time

<u>Kebele Name</u>	<u>Current Level</u>	<u>Change In Last Decade</u>	<u>Comments</u>
DARAYITU	Medium	Decrease	
MULENA ASALE	Good soil fertility	Good	
AYIGANA BURTATE	Good soil fertility	Good	
FOKISA	Increase	Increase	
HOMECHO DAYO	High	Decrease	Low productivity
GALIKOMA	Good soil fertility	Good	The soil is fertile but not in use
KELEWANA	Soil fertile	No change	
WENASANA HERE GERBO	Medium	Decrease	



Wereda Disaster Risk Profile

Tuesday, February 16, 2021

Data Collected Date

Region AFAR Zone ZONE 4 Wereda GOLINA

Selected Indicator:

Economic Vulnerability: Status of Agriculture - Methods of tillage, Irrigation and other agricultural input utilization by households

Percentage of Irrigated Area

Last Year

0.00

Five Years Ago

0.00

Percentage of households with irrigated area

Last Year

0.00

Five Years Ago

0.00

Source of Irrigation

Response

0.00

Method of Tillage

Response

0.00

Type of Fertilizer

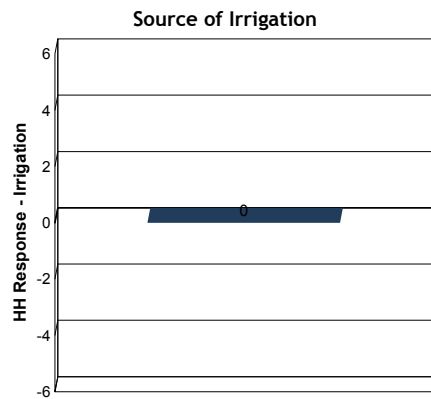
Response

0.00

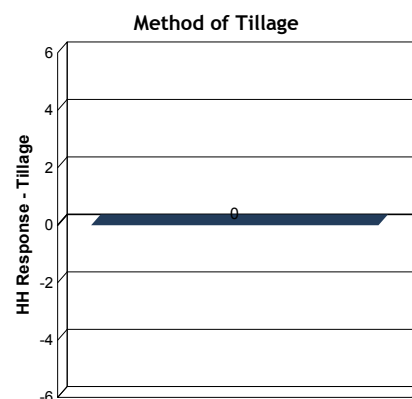
Type of Pesticide

Response

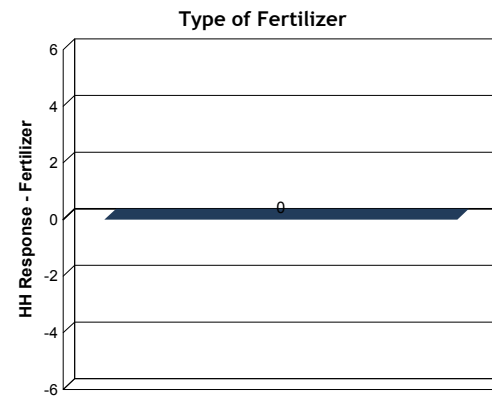
0.00



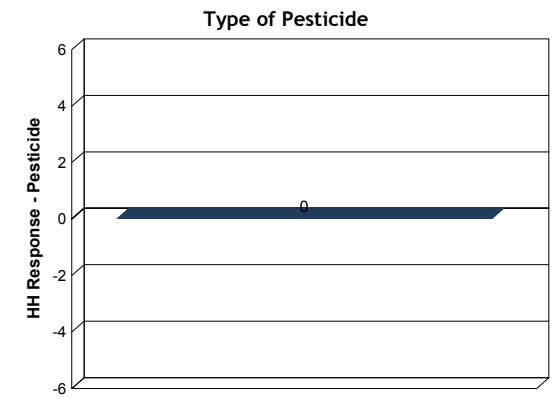
Source of Irrigation



Method of Tillage



Type of Fertilizer



Type of Pesticide



Proportion Improved Seeds

0.00

Proportion Agriculture Service

50.00

WDRP Indicators

Livestock Production Characteristics



Data Collected Date

Tuesday, February 16, 2021

Region	AFAR	Zone	ZONE 4	Wereda	GOLINA
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Selected Indicator:

Agricultural Situation: Status of Livestock Disease - Change in Livestock Disease Status

Kebele Name	Current Level	Change Over Last Decade	Comment
DARAYITU	Medium (internal and external parasite)	Increased	
MULENA ASALE	Animal diseases are common though out the year		
AYIGANA BURTATE	Animal diseases are common though out the year		
FOKISA	Increasing	Increased	
HOMECHO DAYO	Medium (internal and external parasite)	Increased	Because of contact with other animals during migration
GALIKOMA	Animal diseases are common in this kebele		
KELEWANA	Animal diseases are common		
WENASANA HERE GERBO	Low	Decreased	



Data Collected Date

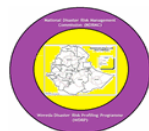
Tuesday, February 16, 2021

<u>Region</u>	AFAR	<u>Zone</u>	ZONE 4	<u>Wereda</u>	GOLINA
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Selected Indicator: **Livestock Diseases Prevalence**

Type of livestock diseases affected households in the last five years (households reporting in %)

	1st	2nd	3rd
African horse disease	0.27	0.27	0.81
Anthrax affecting cattle	11.41	4.62	5.96
Black leg	3.26	4.08	1.36
Contagious Caprine Pleuropneumonia (CCPP)	29.62	19.57	22.76
Faciolosis	2.99	0.27	1.08
Foot and mouth disease	11.96	11.14	3.52
Heart water	0.54	1.63	0.81
Insufficient irrigation available	3.53	4.62	3.52
Internal & External Parasites (Tick, mange, helminthiasis, fasci	2.17	1.90	1.63
Liverfluke (Sheep and cattle)	1.90	2.99	4.34
Newcastle disease (Chicken)	16.58	26.09	29.00
Pasteurellosis	7.61	13.59	10.30
Respiratory complex of camels	0.27	0.27	
Sheep pox	6.52	7.07	13.28
Tick born diseases	0.27	0.27	
Trypanosomiasis	0.82	1.09	1.08



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Zone ZONE 4

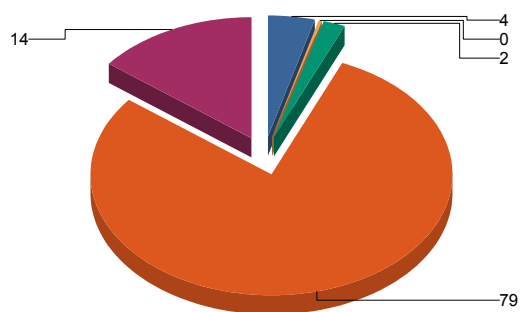
Wereda GOLINA

Selected Indicator:

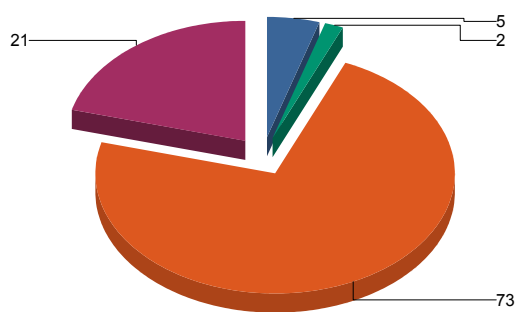
Evaluation of Access to Veterinary Services and Livestock Drugs
Households' evaluation on access to drugs and veterinary services

Level of Access	Veterinary Service	Livestock_Drugs
Excellent	0.28	
Good	1.95	1.68
Adequate	4.18	4.76
Poor	79.11	72.83
Very poor	14.48	20.73

Level of Access to Veterinary Services



Access Level of Livestock Drugs





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Selected Indicator:

Agricultural Situation: Water Availability for Livestock - Water availability for livestock in the community

<u>KebeleName</u>	<u>Current Level</u>	<u>Change In Last Decade</u>	<u>Comments</u>
DARAYITU	Low	Decrease	
MULENA ASALE	There is no water for domestic animals	No access	
AYIGANA BURTATE	There is no water for domestic animals		
FOKISA	Decrease	Increase	
HOMECHO DAYO	Low	Decrease	Lack of water
GALIKOMA	There is no water for domestic animals	Increase	
KELEWANA	No access		
WENASANA HERE GERBO	Low	Decrease	



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Region AFAR

Zone ZONE 4

Wereda GOLINA

Selected Indicator:

Agricultural Situation: Livestock Diversity - Type of livestock and their economic importance in the community

Kebele Name	Type of Livestock	Avg_Number	Economic_Importance_Rank
AYIGANA BURTATE	Camels	1	Selling of milk production
	Goats	5	To use milk production
	Sheep	5	To market/eat
	Cattle: Female	2	To use milk production
DARAYITU	Camels	1	For transport and food
	Cattle: Female	3	For income/selling/ and food
	Goats	5	Food and income /selling/
	Sheep	1	Food and income /selling
FOKISA	Camels	1	Source of food, transport
	Cattle	5	Source food, income
	Goats	10	Source of food, income
	Donkeys	1	Transport
GALIKOMA	Camels	1	Income to selling of milk
	Goats	6	To use milk production
	Sheep	5	To use sell
	Cattle: Female	2	To use milk
HOMECHO DAYO	Cattle	2	For transport and food
	Goats	5	Food and income
KELEWANA	Goats	30	
	Donkeys	1	
	Sheep	20	
	Cattle	0	
	Camels	1	
MULENA ASALE	Camels	1	Selling of milk production



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Selected Indicator:

Agricultural Situation: Livestock Diversity - Type of livestock and their economic importance in the community

Kebele Name	Type of Livestock	Avg_Number	Economic_Importance_Rank
MULENA ASALE	Goats	5	To use milk production
	Sheep	1	To market
	Cattle: Female	1	To use milk production
WENASANA HERE GERBO	Sheep	1	For food and income
	Cattle: Female	3	For food and income
	Goats	5	For food and income
	Camels	1	For food and transportation



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Wereda GOLINA

Selected Indicator:

Economic Vulnerability: Livestock Ownership and Changes - Percentage of households by number and type of livestock owned

	A - None	B - 1 to 5	C - 6 to 10	D - 11 to 50	E - 51 to 100
Bee keeping	97.80	0.70	1.50		
Camels: Female	39.80	32.30	16.90	7.50	3.60
Camels: Male	3.60	45.10	5.50	0.80	
Camels: Young Female	47.80	43.30	8.90		
Camels: Young Male	54.80	42.20	2.80	0.30	
Cattle: Female	41.80	47.70	14.80	8.90	4.80
Cattle: Male bulls	46.00	42.70	9.00	1.40	0.90
Cattle: Mature Male	91.00	7.90	1.00		
Cattle: under 1 year	33.80	52.80	9.10	4.30	
Donkeys	50.80	45.60	0.30	0.30	
Goats	8.30	23.60	18.00	45.70	4.50
Horses	98.20	0.40	1.50		
Mules	96.70	2.20	1.10		



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<u>Region</u>	AFAR	<u>Zone</u>	ZONE 4	<u>Wereda</u>	GOLINA
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Selected Indicator:

Economic Vulnerability: Livestock Ownership and Changes - Percentage of households by number and type of livestock owned

	A - None	B - 1 to 5	C - 6 to 10	D - 11 to 50	E - 51 to 100
Poultry	97.80	1.10	1.10		
Sheep	11.30	33.30	40.40	12.70	2.20



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Region AFAR Zone ZONE 4 Wereda GOLINA

Selected Indicator

**Economic Vulnerability: Livestock Ownership and Changes - Households
perception on changes in livestock number in the last five years (response in %)**

Type of Livestock Owned	Changes Observed By Households		
	A - Decreased	B - Remained the Same	C - Increased
Bee keeping	60.00	40.00	
Camels: Female	80.50	17.70	1.80
Camels: Male	85.90	12.10	2.00
Camels: Young Female	82.20	20.00	3.60
Cattle: Female	76.90	22.10	2.80
Cattle: Male bulls	77.30	20.70	2.00
Cattle: Mature Female	82.80	19.40	3.70
Cattle: under 1 year	76.90	21.40	1.70
Donkeys	71.40	28.00	0.60
Goats		13.90	1.10
Horses	44.40	55.60	
Mules	62.50	25.00	12.50
Poultry	40.00	50.00	10.00
Sheep	78.90	17.90	3.20



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Wereda GOLINA

Selected Indicator

**Economic Vulnerability: Livestock Ownership and Changes - Households
perception on changes in livestock number in the last five years (response in %)**

Type of Livestock Owned

Reason for Decrease in Livestock Number

	A)Conflict	B)Raiding	C)Died in drought	D)Disease	F)Sold for food	G)Sold (not for food)	R)Other
Bee keeping	14.30		71.40	14.30			
Camels: Female	3.50	3.50	44.40	27.80	4.00		16.60
Camels: Male	2.90	1.70	28.90	38.70	9.20	3.50	15.10
Camels: Young Female	5.30	0.70	34.90	32.00	12.40	0.70	31.50
Cattle: Female	0.60		58.40	18.80	4.10	2.90	24.10
Cattle: Male bulls	2.40	1.80	43.90	25.10	4.70	0.60	
Cattle: Mature Female	4.20	4.20	50.20	13.10	7.20		25.10
Cattle: under 1 year	1.50		58.40	18.80	4.10	1.50	15.60



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Region AFAR

Zone ZONE 4

Wereda GOLINA

Selected Indicator

**Economic Vulnerability: Livestock Ownership and Changes - Households
perception on changes in livestock number in the last five years (response in %)**

	A)Conflict	B)Raiding	C)Died in drought	D)Disease	F)Sold for food	G)Sold (not for food)	R)Other
Donkeys	3.20	0.80	39.80	14.80	3.90	0.80	37.50
Goats	2.90	0.70	45.90	26.90	11.50	1.10	
Horses	20.00		60.00	20.00			
Mules	20.00	10.00	60.00				10.00
Poultry	16.70	16.70	50.00	16.70			
Sheep	3.40	1.20	55.40	19.20	3.80	1.90	14.80



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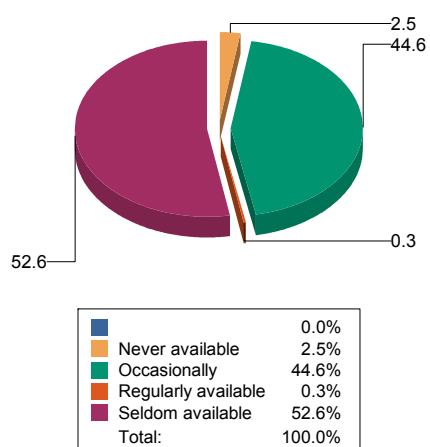
<u>Region</u>	AFAR	<u>Zone</u>	ZONE 4	<u>Wereda</u>	GOLINA
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Selected Indicator

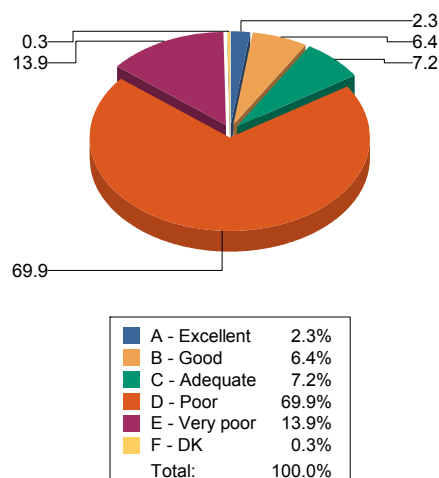
Agriculture (Livestock): Pasture Availability - Households perception on access and quality of pasture

Access to Pasture	Response Percent	Quality of Pasture	Response Percent
Regularly available	0.28	A - Excellent	2.31
Seldom available	52.65	C - Adequate	7.23
Never available	2.51	D - Poor	69.94
		F - DK	0.29
Occasionally	44.57	B - Good	6.36
		E - Very poor	13.87

Household responses to Access to Pasture for Livestock



Household responses to Quality of Pasture





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Region	AFAR	Zone	ZONE 4	Wereda	GOLINA
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Selected Indicator

Agriculture (Livestock): Pasture Availability - Households perception on problematic months for pasture availability

Problematic Months	Order of Severity		
--------------------	-------------------	--	--

	1st	2nd	3rd
A - Meskerem	0.57		0.28
B - Tikimt		2.55	0.85
C - Hidar	0.85	1.13	3.99
D - Tahsas	0.85	0.85	5.98
E - Tir	4.53	10.48	5.41
F - Yekatit	22.38	5.67	9.69
G - Megabit	15.58	20.68	19.09
H - Meazea	17.85	36.83	22.51
I - Ginbot	23.80	16.15	19.94
J - Sene	13.03	5.67	11.40
K - Hamle	0.28		0.28
L - Nehase			0.28



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Region AFAR

Zone ZONE 4

Wereda GOLINA

Selected Indicator

Agriculture (Livestock): Water Availability - Households response on water availability for livestock

Access to Water - Livestock

Household Response

A - Regularly available

4.97

B - Occasionally

59.06

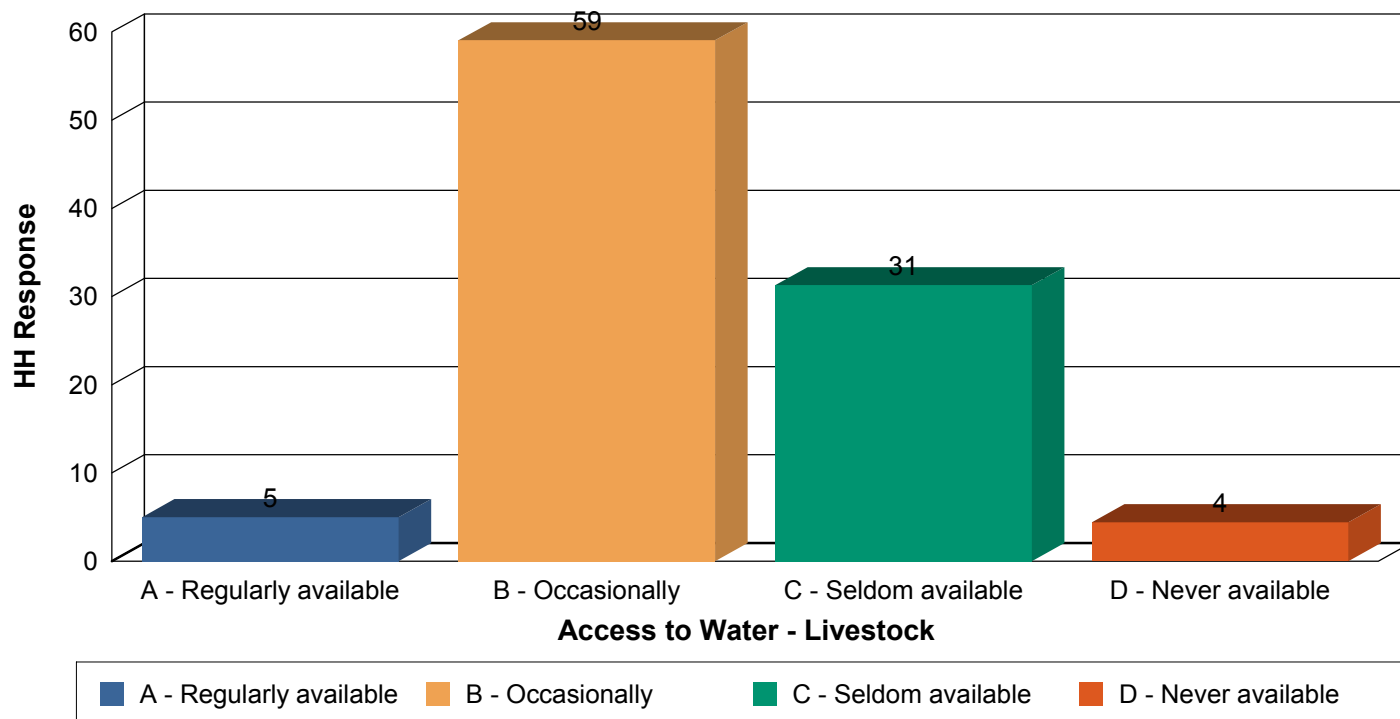
C - Seldom available

31.29

D - Never available

4.39

Household Access to Water for Livestock





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Region AFAR

Zone ZONE 4

Wereda GOLINA

Selected Indicator

Agriculture (Livestock): Water Availability - Households perception on problematic months for water availability for Livestock

Problematic Months

Order of Severity

	1st	2nd	3rd
A - Meskerem	0.55	0.28	0.28
B - Tikimt	1.38	1.94	0.83
C - Hidar	0.55	1.39	3.61
D - Tahsas	0.28	0.55	2.50
E - Tir	3.03	6.09	4.72
F - Yekatit	16.53	5.26	6.94
G - Megabit	20.11	19.39	17.50
H - Meazea	21.49	38.50	29.44
I - Ginbot	22.87	22.16	21.94
J - Sene	12.40	4.43	11.39



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Wereda GOLINA

Selected Indicator

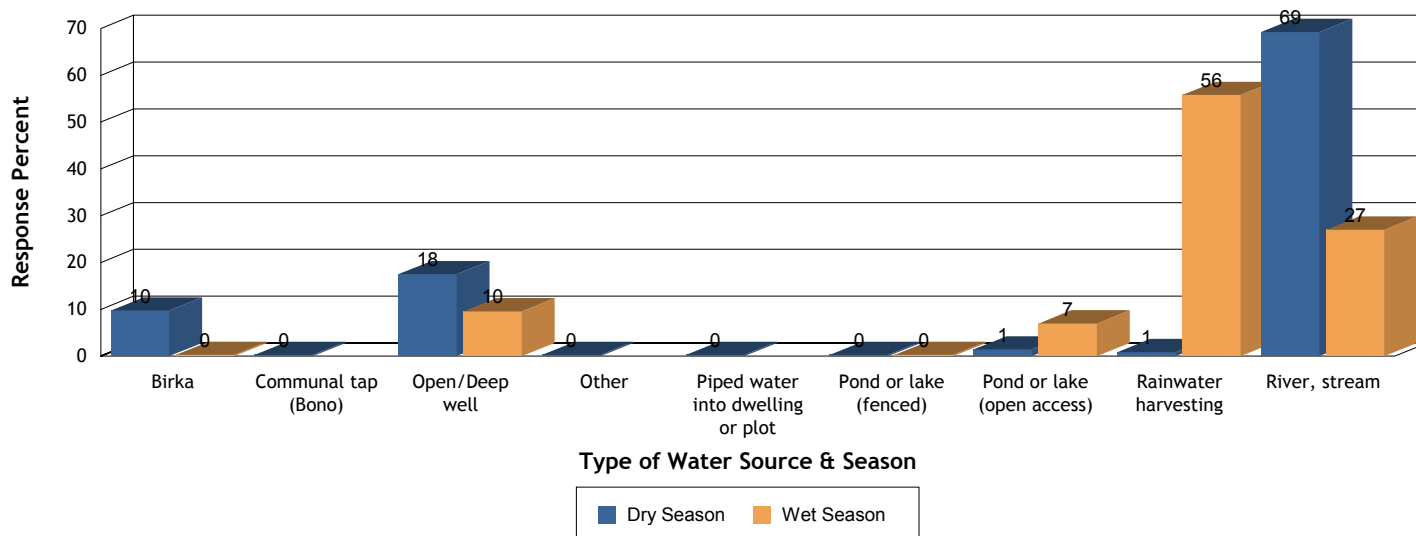
Sources of water for livestock (households response in %)

Type of Livestock Owned

Changes Observed By Households

	Dry Season	Wet Season
Birka	9.77	0.29
Communal tap (Bono)	0.29	
Open/Deep well	17.53	9.59
Other	0.29	
Piped water into dwelling or plot	0.29	
Pond or lake (fenced)	0.29	0.29
Pond or lake (open access)	1.44	6.98
Rainwater harvesting	0.86	55.81
River, stream	69.25	27.03

Household Responses to Type of Water Source and Season for Livestock



WDRP Indicators

Access to Market and Credit



Wereda Disaster Risk Profile

National Disaster Risk Management Commission (NDRMC)



Data Collected Date

Tuesday, February 16, 2021

Region	AFAR	Zone	ZONE 4	Wereda	GOLINA
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Selected Indicator:

Economic Vulnerability: Proportion of Produce Sold and Market - Proportion of crops and livestock sold from total production and markets

KebeleName	Market_For_Crops	Market_For_Livestock_Produce	Percent Livestock_Sold	Total_% Sold	Comments
DARAYITU	There is no crop production	In neighbouring wereda (yalo)		10	
MULENA ASALE				75	
AYIGANA BURTATE				80	
FOKISA		Yalo wereda		90	
HOMECHO DAYO				90	
GALIKOMA				80	
KELEWANA	There is production	Yalo wereda		90	
WENASANA HERE GERBO	There no crop production	In neighbouring wereda		90	



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Selected Indicator	Economic Vulnerability: Kebele Access to Markets - Access to market by Kebele
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Kebele Name	Market_Access_Comments
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DARAYITU	It is good and there is no seasonal problem
MULENA ASALE	Good market access
GALIKOMA	There is no access to market
KELEWANA	In the local area, there is no access to market place and they have to go to Yalo wereda market
WENASANA HERE GERBO	It is good



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Region	AFAR	Zone	ZONE 4	Wereda	GOLINA
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Selected Indicator

Economic Vulnerability: Formal & Informal Transfers - Percentage of households reporting received formal transfers

Type of Formal Transfer	HH Response	Type of Informal Transfer	HH Response
Food aid	49.30	Zakaat	13.30
Food-for-Work project	87.40	Free labour	6.90
Cash-for-Work project	2.40	Food or grain gift	5.10
Faffa	12.10	Cash loan (no interest)	5.70
Free cash	0.40	Dowry given to bride's parents	4.50
Seeds	1.70	Cash or kind gift to married daughters when they visit parents or relatives	4.80
Credit support		Remittances (from relative living elsewhere)	2.70
Livestock		Gift of livestock to newly-weds	2.70
		Blood money - compensation	0.90
		Sacrifice made to feed the poor	0.30
		Seed gift	
		Seed loan	
		Free use of oxen or plough	
		Other cash gift	2.10
		Free use of pack animals (camels or donkeys)	1.50
		Distribution of meat to neighbours after a slaughter takes place	1.50
		Restocking of poorer relatives	1.20
		Donations of cash or animals to disaster stricken people	1.20
		Donation or loan of milking animals to a relative or friend	0.90
		Grain loan (no interest)	2.40



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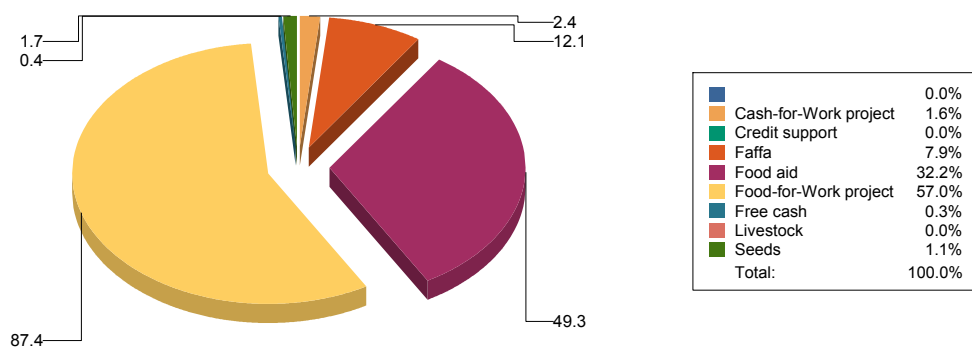
Region	AFAR	Zone	ZONE 4	Wereda	GOLINA
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Selected Indicator

Economic Vulnerability: Formal & Informal Transfers - Percentage of households reporting received formal transfers

Type of Formal Transfer	HH Response	Type of Informal Transfer	HH Response
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Type of Formal Transfer Received By Households





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Selected Indicator **Capacity: Access to Credit Facilities - Households access to credit facilities**

<u>Type of Access To Credit Facilities</u>	<u>Indicator Value</u>
Households who borrowed any money in the last one year (%)	2.80
Households who tried to borrow 1-2	40.00
Households who managed to get credit 1-2	100.00
Households who tried to borrow 5 & Above	10.00
Households who managed to get credit 5 & Above	0.00
Households with membership in any credit /micro finance society (%)	0.30
Households who tried to borrow 3-4	50.00
Households who managed to get credit 3-4	0.00
<u>Average No. of HHs Tried to get Credit</u>	3.00
<u>Average No. HHs Managed to get Credit</u>	1.60



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Region AFAR Zone ZONE 4 Wereda GOLINA

Selected Indicator

Capacity: Access to Credit Facilities - Percentage of households by major reasons of borrowing money

Type of Borrowing Reason Degree of Importance of the Borrowing Reasons - HH Responses

	1st Important	2nd Important	3rd Important
Buy food	66.70	44.40	75.00
Others (specify)	8.30	11.10	
Pay for health care	25.00	44.40	25.00



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Selected Indicator

Capacity: Access to Credit Facilities - Percentage of households by major sources of credit

Major Sources of Credit for Households		Degree of Importance of the Credit Source		
		1st Important	2nd Important	3rd Important
Friends/relatives		69.23		12.50
Informal savings group (Ekub)		7.69		12.50
Local shops / moneylenders		7.69	11.11	
Neighbors		7.69	55.56	
Others (specify)		7.69	33.33	75.00



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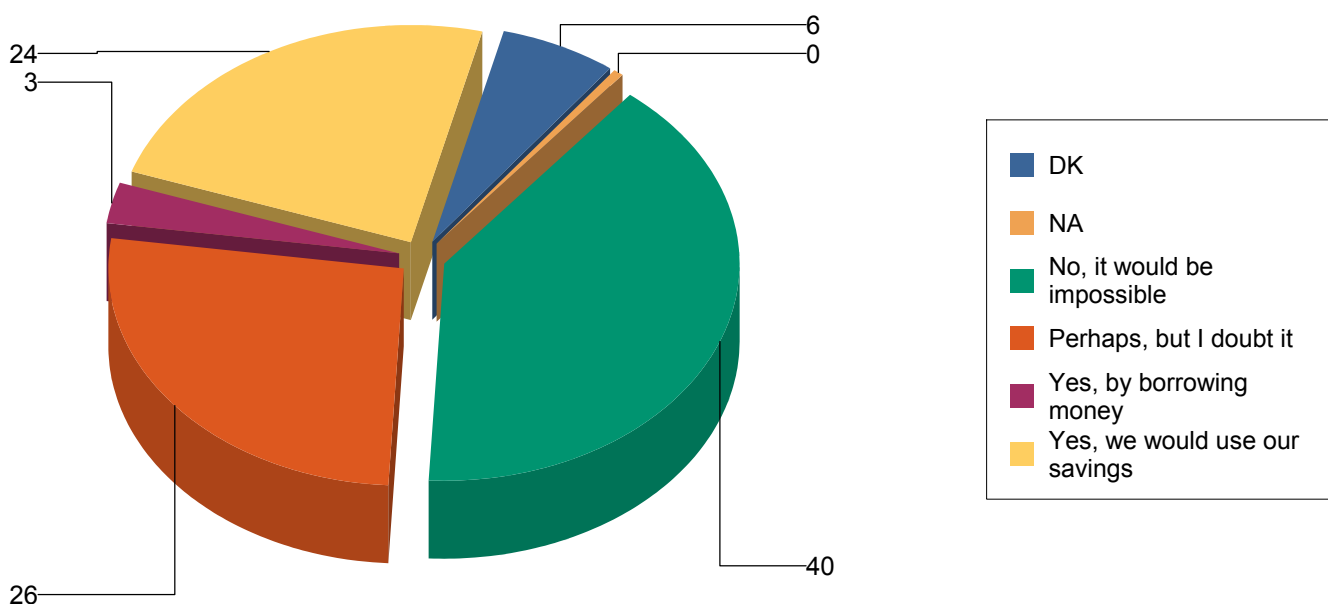
Region	AFAR	Zone	ZONE 4	Wereda	GOLINA
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Selected Indicator

Capacity: Access to Credit Facilities - Percent of households with ability to raise 500 birr in one week

HH Ability To Raise 500 Br in One Week	Response Percent
Yes, we would use our savings	23.62
No, it would be impossible	40.13
DK	6.47
Yes, by borrowing money	2.91
Perhaps, but I doubt it	26.21
NA	0.32

Households' Ability To Raise 500 Br in One Week



WDRP Indicators

Health and Sanitation

Characteristics



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Zone ZONE 4

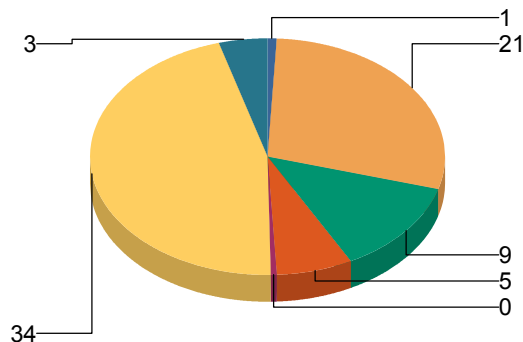
Wereda GOLINA

Selected Indicator

**Household Access to Health Facilities - Where do patients go for health care?
Constraints to adequate healthcare**

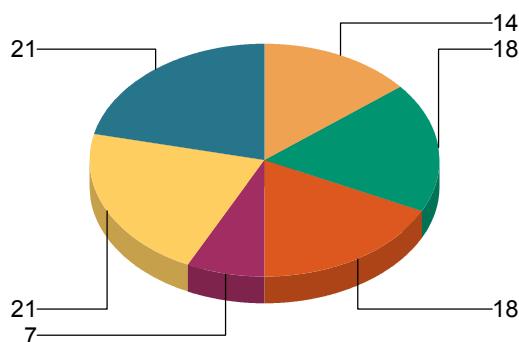
<u>Where do Patients Go for Healthcare</u>	<u>HH Response</u>	<u>Constraints to Adequate Health Care</u>	<u>Response</u>
Did not get Health Care	9.23	No money for treatment costs	17.86
Central Hospital	0.53	No money for travel	14.29
District/Municipal hospital/health centre/ clinic	5.28	Poor quality of service	21.43
Other public	33.77	Shortage of health professionals	21.43
Mission facility	0.26	Not aware about any health facility	17.86
Community health worker	21.11	Others Characteristics	7.14
Others Characteristics	3.17		

Where Do Patients go for Health care?



Central Hospital	0.7%
Community health worker	28.8%
Did not get Health Care	12.6%
District/Municipal hospital/health centre/ clinic	7.2%
Mission facility	0.4%
Other public	46.0%
Others Characteristics	4.3%
Total:	100.0%

Constraints to Adequate Health Care



No money for travel	14.3%
No money for treatment costs	17.9%
Not aware about any health facility	17.9%
Others Characteristics	7.1%
Poor quality of service	21.4%
Shortage of health professionals	21.4%
Total:	100.0%



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Region AFAR Zone ZONE 4 Wereda GOLINA

Selected Indicator Hazards: Health problems and changes over the last decade

Kebele Name Health Problems Changes In Last Decade

DARAYITU It is good sometimes malaria, pneumonia, diarrhea Decrease

MULENA ASALE The community affected by different seasonal diseases Increases

AYIGANA
BURTATE Different seasonal health problems Increases

FOKISA Community has good health condition Improved

HOMECHO DAYO Community has good health condition Improved

GALIKOMA Different seasonal health problems Increases

WENASANA HERE
GERBO Malaria, diarrhea Decrease



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Selected Indicator		Household Health Status - Households health condition and major health problems			
Health Condition	HH Response	Population Sickness	HH Response	Children Sickness	HH Response
Good health	75.97	Malaria	55.53	Malaria	41.18
Ill for <3 months	18.18	Diarrhea	17.22	Diarrhea	29.41
Ill for more than three months	5.37	Headache	7.97	Headache	8.24
		Eye problems	2.83		
		Pneumonia/ lung problem	2.31		
		Back ache	1.54		
		Tuberculosis	0.77		
		Hyper tension	0.26		
		DK	0.51		
		Chronic fever	6.17	Chronic fever	3.53
		Stomach pain	4.88	Stomach pain	3.53



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Region AFAR

Zone ZONE 4

Wereda GOLINA

Selected Indicator

Household Health Status - Households health condition and major health problems

Health Condition

HH Response

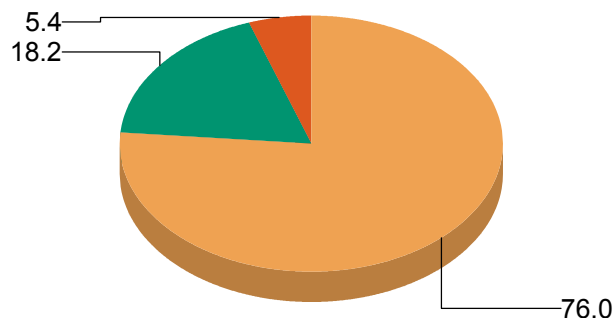
Population Sickness

HH Response

Children Sickness

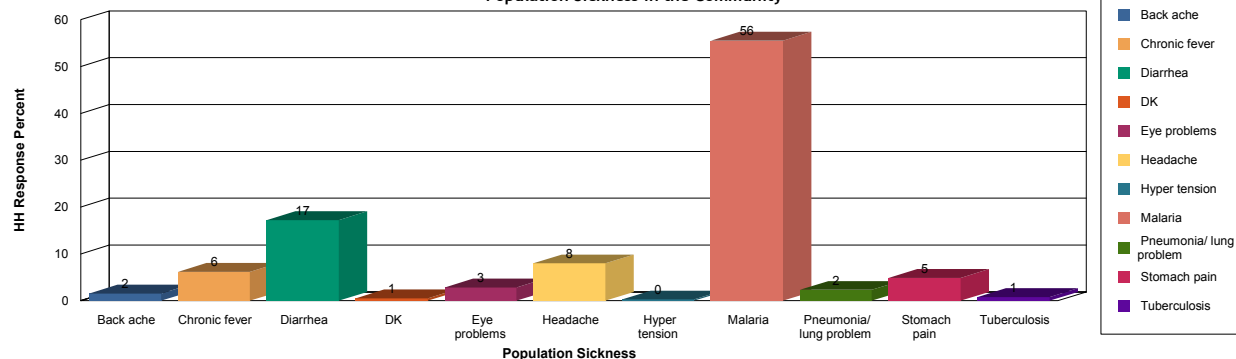
HH Response

Health Condition of the Community

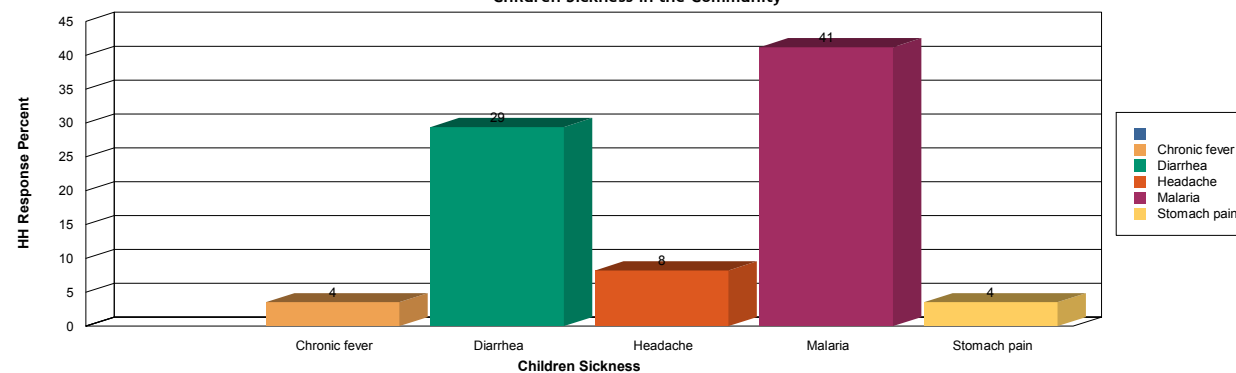


Good health	76.3%
Ill for <3 months	18.3%
Ill for more than three months	5.4%
DK	0.0%
Total:	100.0%

Population Sickness in the Community



Children Sickness in the Community





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Zone ZONE 4

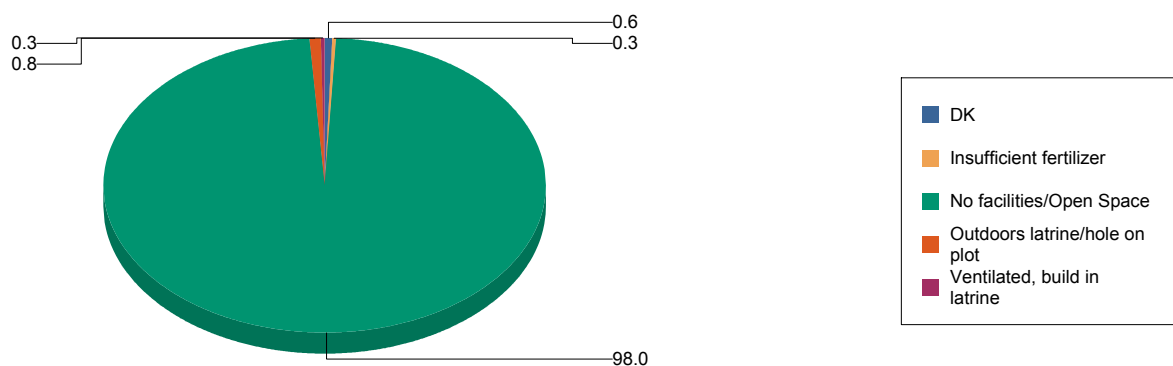
Wereda GOLINA

Selected Indicator

Household Access to Sanitation - Percentage of households with access to different kind of toilet facilities

<u>Type of Toilet Facility</u>	<u>HH Response</u>
Ventilated, build in latrine	0.28
Outdoors latrine/hole on plot	0.84
No facilities/Open Space	98.03
DK	0.56
Insufficient fertilizer	0.28
<u>HH Sharing Toilet</u>	25.00

Household Responses to the type of toilet facilities in the community





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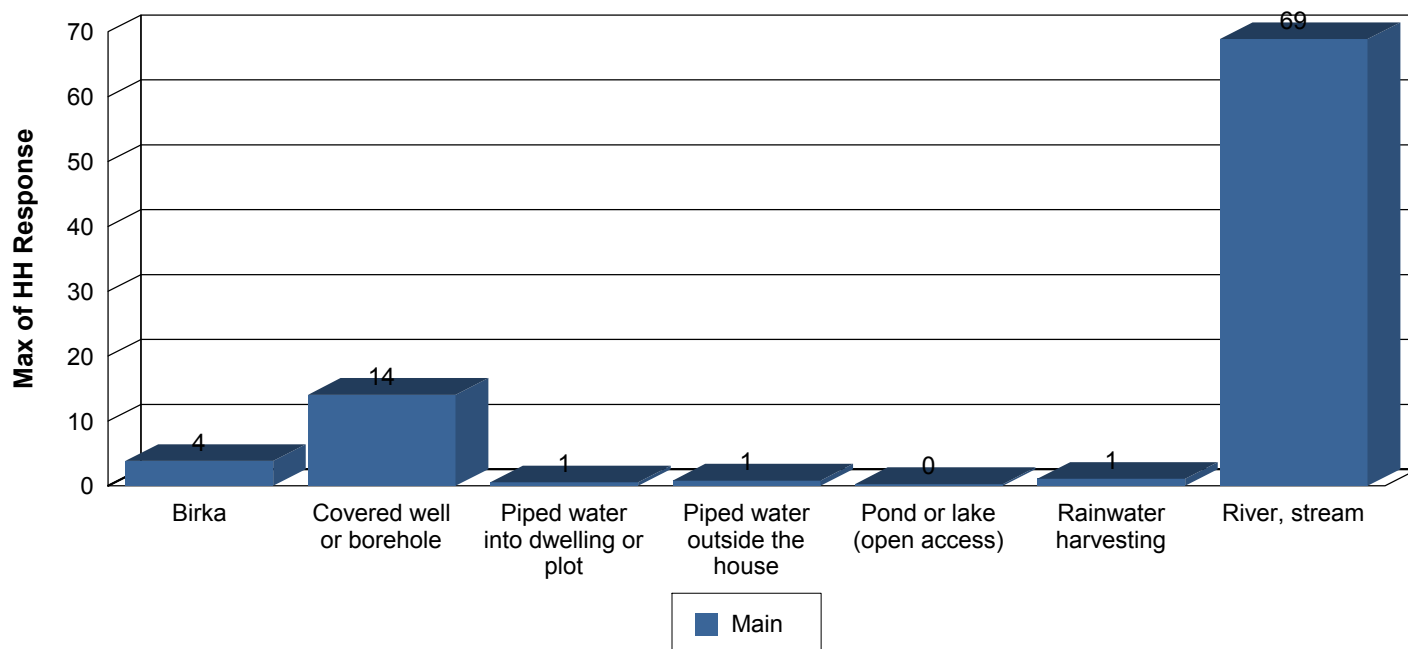
Selected Indicator

**Household Access to Drinking Water - Sources of drinking water for households
(response in %)**

Sources of drinking water for Households	Priority of the Water Source
--	------------------------------

	Main
Birka	3.86
Covered well or borehole	14.05
Piped water into dwelling or plot	0.55
Piped water outside the house	0.83
Pond or lake (open access)	0.28
Rainwater harvesting	1.10
River, stream	68.87

Source of Drinking Water & Type of Source





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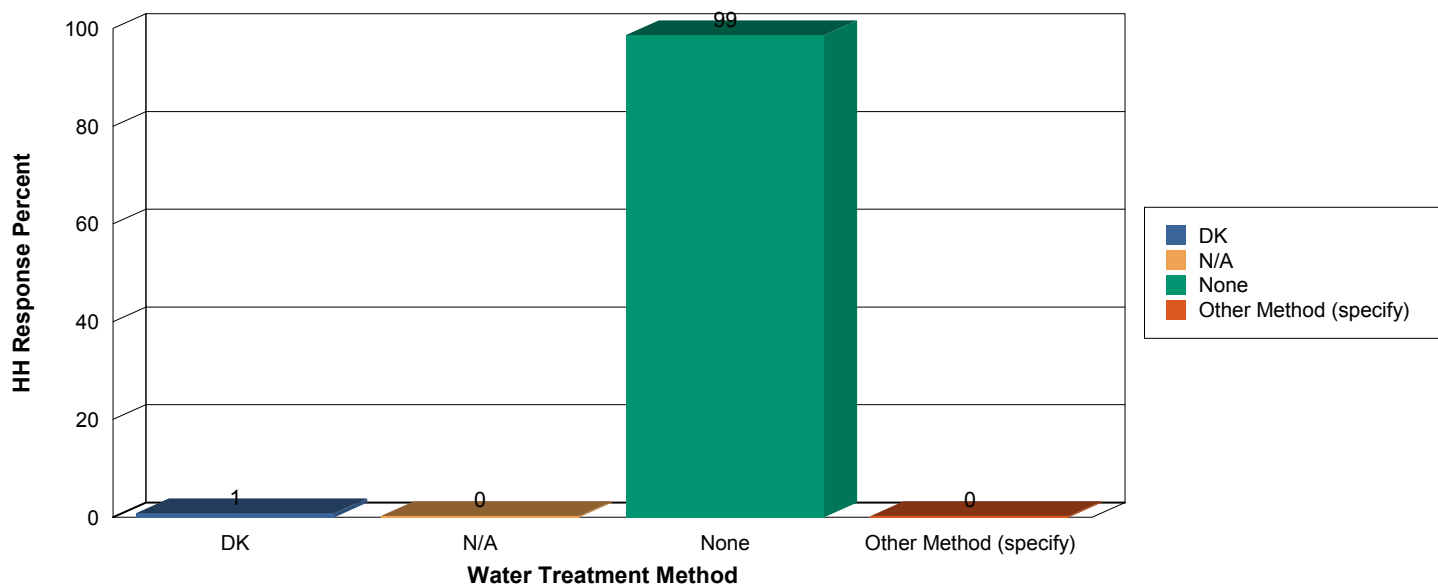
<u>Region</u>	AFAR	<u>Zone</u>	ZONE 4	<u>Wereda</u>	GOLINA
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Selected Indicator

Household Access to Drinking Water - Households methods of treating drinking water

<u>Method of Treating Water</u>	<u>HH Response</u>
Other Method (specify)	0.28
None	98.62
DK	0.83
N/A	0.28

Method of Treating Water by Households





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Selected Indicator

Household Access to Drinking Water - Number of times households fetch water in a week

<u>Number of Times Households Fetch Water in a Week</u>	<u>HH Response</u>
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Once	0.27
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Twice	0.27
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Three times	1.09
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Four times	4.62
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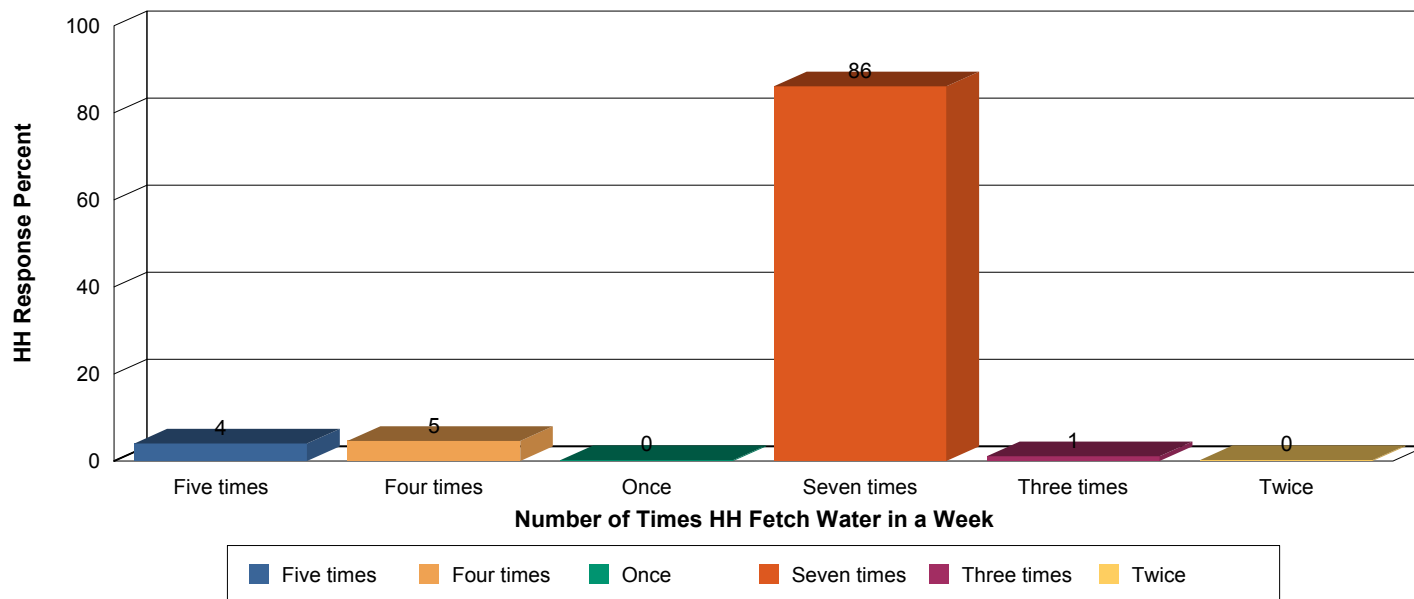
Five times	4.08
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Five times	3.26
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Seven times	86.14
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<u>Average Number of Times HH Fetch Water Per Week</u>	6.68
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Number of Times HH Fetch Water in a Week





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Region AFAR Zone ZONE 4 Wereda GOLINA

Selected Indicator

Household Access to Drinking Water - Time taken per day to fetch water for households

Time Taken To Fetch Water

HH Response

Less than 30 min

17.93

30 min - 1 hr

19.02

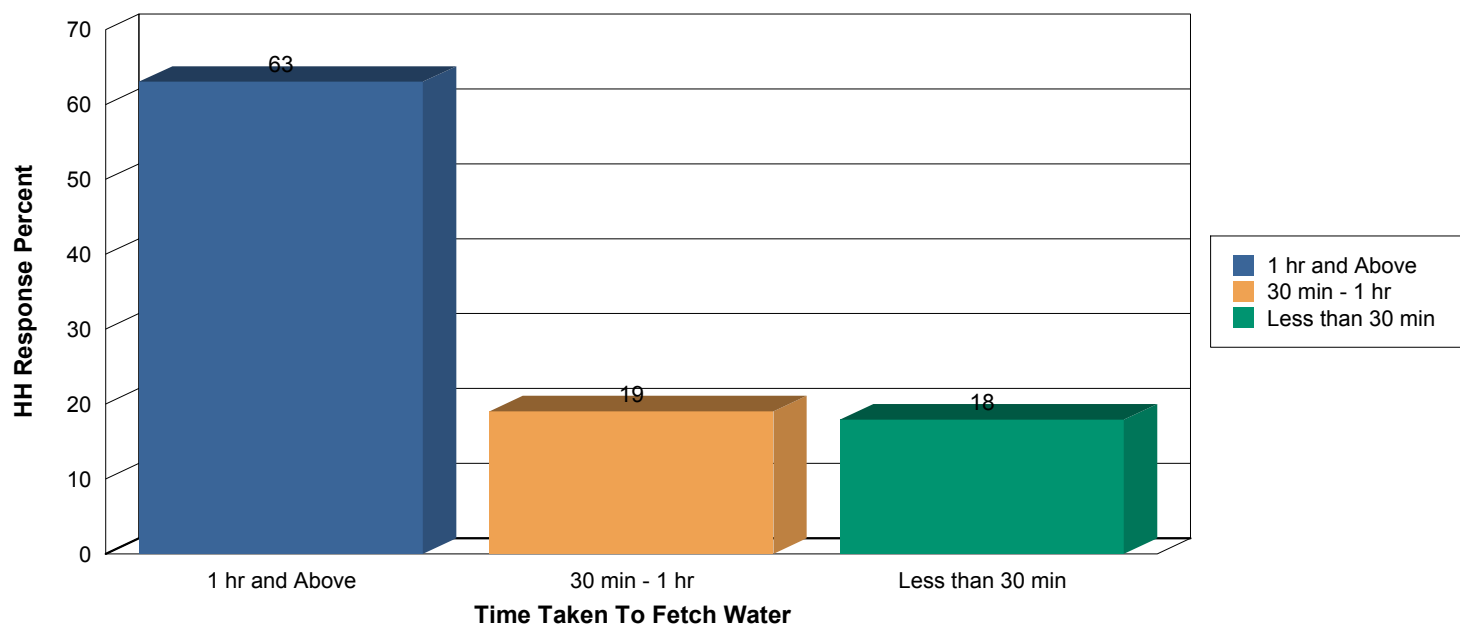
1 hr and Above

63.04

Average Number of Times Taken To Fetch Water

122.00

Time Taken To Fetch Water for the HH



WDRP Indicators

Coping Mechanisms and Preparedness



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Selected Indicator

Capacity: Community Preparedness against Sudden Onset Disasters

KebeleName	Precaution_1	Comment_1	Precaution_2	Comment_2	Precaution_3	Comment_3
DARAYITU	Praying	Everything depend on God	Movement of people and their asset			
MULENA ASALE	To inform the wereda leaders	To prevent the disaster	To move their family and their assets			
AYIGANA BURTATE	To inform the wereda leader	Because to survival	To move their families and their assets			
HOMECHO DAYO	Praying	Depend on Allah	Migration (women and children)			
GALIKOMA	To inform wereda leaders		Movement of their families and their assets			
KELEWANA	Reporting to the government	There is no other option				
WENASANA HERE GERBO	Movement of people and their asset	Survival				



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Selected Indicator **Capacity: Community Preparedness against Increase in Disaster Intensity**

KebeleName	Precaution_1	Comment_1	Precaution_2	Comment_2	Precaution_3	Comment_3
DARAYITU	To decrease the effect of drought, they substitute sheep and cattle with goat and camel	Camel and goats are drought tolerant and used for milk				
MULENA ASALE	Migrate to other area	To prevent the disaster				
AYIGANA BURTATE	Migrate to other area	To prevent the disaster				
HOMECHO DAYO	To decrease the effect of drought, they substitute sheep and cattle with goat and camel	Camel and goats are drought tolerant and used for milk	Migration			
GALIKOMA	To decrease the effect of drought, they substitute sheep and cattle with goat and camel	Camel and goats are drought tolerant and used for milk				



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Selected Indicator **Capacity: Community Preparedness against Increase in Disaster Intensity**

KebeleName	Precaution_1	Comment_1	Precaution_2	Comment_2	Precaution_3	Comment_3
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WENASANA HERE GERBO	To decrease the effect of drought, they substitute sheep and cattle with goat and camel	Camel and goats are drought tolerant and used for milk				
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Selected Indicator

Capacity: Community Preparedness against Disasters

Kebele Name	Precaution 1	Comment 1	Precaution 2	Comment 2	Precaution 3	Comment 3
DARAYITU	Separate sick animals from others	to decrease the transmission of the disease	Drought migration, selling cattle, buying camel and goat and sheep			
GALIKOMA	Separate sick animals from others	To decrease the transmission of the disease	Drought migration, selling cattle, buying camel and goat and sheep	In search of grazing land		
KELEWANA	Reporting to the government and asking for help	To decrease negative effect (getting food aid and other help from government)				
MULENA ASALE	To keep the natural resources, to aware the community about disaster risk preventions	To avoid deforestation	To avoid over grazing			
WENASANA HERE GERBO	Migration	In search of pasture and water	Separate sick animals from others	to decrease the transmission of the disease		



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Selected Indicator

Capacity: Community Preparedness against Disasters

Kebele Name	Precaution 1	Comment 1	Precaution 2	Comment 2	Precaution 3	Comment 3
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HOMECHO DAYO	Selling cattle and buying camels and goat	Camel and goat are resistant to drought but not sheep and cattle	Slaughter calves		Migration	For survival
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Selected Indicator **Hazard: Coping and recovering during last Disaster**

Kebele Name AYIGANA BURTATE

<u>Type of Disaster(s)</u>	Drought
<u>Coping Strategy</u>	Move from one place to another place
<u>Description</u>	Effective
<u>Recovery Strategy</u>	There is no recovery
<u>Description</u>	
<u>Community Participation Ways</u>	Help each other
<u>Description</u>	The community help each other by labour and assets

Kebele Name DARAYITU

<u>Type of Disaster(s)</u>	Human disease and Drought
<u>Coping Strategy</u>	Migration, cut and carry tree for animal, cultural medicine, modern medicine
<u>Description</u>	Effective, good
<u>Recovery Strategy</u>	
<u>Description</u>	
<u>Community Participation Ways</u>	They help each other by human power and by asset sharing
<u>Description</u>	Good



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Selected Indicator Hazard: Coping and recovering during last Disaster

Kebele Name FOKISA

Type of Disaster(s) Drought

Coping Strategy

Description

Recovery Strategy

Description

Community Participation Ways

Description

Kebele Name GALIKOMA

Type of Disaster(s) Human disease, Drought

Coping Strategy Migration, cultural medicine

Description Effective, good

Recovery Strategy After the incident, there is no recover

Description

Community Participation Ways The community help each other by labour asset

Description Good



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Selected Indicator **Hazard: Coping and recovering during last Disaster**

Kebele Name HOMECHO DAYO

<u>Type of Disaster(s)</u>	Drought
<u>Coping Strategy</u>	Migration
<u>Description</u>	Effective
<u>Recovery Strategy</u>	Help each other
<u>Description</u>	Not effective
<u>Community Participation Ways</u>	They help each other by human power and by asset sharing
<u>Description</u>	Good

Kebele Name KELEWANA

<u>Type of Disaster(s)</u>	Human disease
<u>Coping Strategy</u>	Going to human health post
<u>Description</u>	Medium
<u>Recovery Strategy</u>	By vaccination
<u>Description</u>	It is effective
<u>Community Participation Ways</u>	They were helping each other by money, human power
<u>Description</u>	Good



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Selected Indicator **Hazard: Coping and recovering during last Disaster**

Kebele Name MULENA ASALE

Type of Disaster(s) Animal disease

Coping Strategy To use cultural medicine

Description There is no recovery

Recovery Strategy There is recovery after the incident

Description

Community Participation Ways Help each other

Description The community help each other by labour and assets

Kebele Name WENASANA HERE GERBO

Type of Disaster(s) Drought

Coping Strategy Migration

Description It is good

Recovery Strategy No

Description

Community Participation Ways Helping each other by giving livestock

Description It is good



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Selected Indicator **Capacity: Type Community Participation**

<u>Kebele Name</u>	<u>Levels Comm Participation</u>	<u>Changes In Last Decade</u>
DARAYITU	It is good	The same
FOKISA	High	No change
HOMECHO DAYO	Good	The same
KELEWANA	It is good	The same
WENASANA HERE GERBO	It is good	The same



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Selected Indicator

**Capacity: Recovery from Losses from Disasters - Percentage of Households who
have managed to recover from losses of disasters**

Percentage of households who have managed to recover from losses of disasters

35.80 %

Comments



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Selected Indicator

Capacity: Coping Strategies Adopted by Households - Main coping strategies adopted by households to recover from respective losses

Type of Coping Strategy Adopted	Type of Loss											
	Crop damage	Death of household members	Had to flee/change residence area	Illness/health problems	Livestock damage	Livestock were stolen	Loss of access to social services, including school	Loss of income	Loss of savings	Lost access to grazing land	Lost access to water source	Physical damages on houses and property
Borrowing of food or cash (including purchasing food on credit)		33.30		8.30	25.00	8.30			8.30		16.70	
Consumption rather than sale of crop surplus	0.60		3.70	3.70	43.30	3.00	1.20	6.10	2.40	15.20	6.10	7.90
Increased working hours	24.10			3.40	37.90		3.40	3.40		17.20	3.40	6.90
Limit portion size at meals				6.90	69.00	3.40		17.20		3.40		



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Selected Indicator

Capacity: Coping Strategies Adopted by Households - Main coping strategies adopted by households to recover from respective losses

Type of Coping Strategy Adopted	Type of Loss											
	Crop damage	Death of household members	Had to flee/change residence area	Illness/health problems	Livestock damage	Livestock were stolen	Loss of access to social services, including school	Loss of income	Loss of savings	Lost access to grazing land	Lost access to water source	Physical damages on houses and property
Long-term / permanent migration (including distress migration of whole families)	6.10		3.00	3.00	6.10	12.10	3.00		6.10	12.10		48.50
Reduce number of meals eaten in a day			3.10		68.80			18.80		6.30		
Reduced expenditure on health and education (including taking children out of school)					50.00							50.00
Reduced expenditure on non-essential items (beer, cigarettes, clothes, meat, etc.)	16.70		16.70							33.30	16.70	16.70



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Region AFAR Zone ZONE 4 Wereda GOLINA

Selected Indicator

Capacity: Coping Strategies Adopted by Households - Main coping strategies adopted by households to recover from respective losses

Type of Coping Strategy Adopted	Type of Loss											
	Crop damage	Death of household members	Had to flee/change residence area	Illness/health problems	Livestock damage	Livestock were stolen	Loss of access to social services, including school	Loss of income	Loss of savings	Lost access to grazing land	Lost access to water source	Physical damages on houses and property
Reduced expenditure on productive inputs (fertilizer, seeds, livestock drugs, etc.)					100.00							
Rely on less preferred and less expensive food		3.70	22.20	22.20			25.90			14.80	3.70	7.40
Restrict consumption by adults in order for small children to eat					100.00							
Sale of non-productive assets (Jewelry, clothing, etc.)		18.40	2.60	10.50	34.20		100.00	5.30	2.60	7.90	2.60	



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<u>Region</u>	AFAR	<u>Zone</u>	ZONE 4	<u>Wereda</u>	GOLINA
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Selected Indicator

Capacity: Coping Strategies Adopted by Households - Main coping strategies adopted by households to recover from respective losses

Type of Coping Strategy Adopted				Type of Loss								
												</



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Selected Indicator

Capacity: Coping Strategies Adopted by Households - Main coping strategies adopted by households to recover from respective losses

Type of Coping Strategy Adopted					Type of Loss								
Short-term / seasonal labor migration		Crop damage											
		Death of household members											
		Had to flee/change residence area											
	50.00	Illness/health problems											
		Livestock damage											
		Livestock were stolen											
		Loss of access to social services, including school											
		Loss of income											
		Loss of savings											
		Lost access to grazing land											
		Lost access to water source											
		Physical damages on houses and property											



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Selected Indicator

**Capacity: Coping Strategies Adopted by Households - Percentage of households
by frequency of main coping strategies adopted**

Type of Coping Strategy Adopted	Frequency of Adoption				
	1 - Daily	2 - Often (1-2 times/week)	3 - Sometimes (2-3 times/month)	4 - Seldom (1-3 times in 6 months)	5 - Never
Borrowing of food or cash (including purchasing food on credit)	3.80	11.50	19.20	38.50	26.90
Consumption rather than sale of crop surplus		0.50	3.80	54.90	40.10
Increased working hours				33.30	66.70
Limit portion size at meals		26.90	69.20	3.80	
Long-term / permanent migration (including distress migration)			8.30	83.30	8.30
Reduce number of meals eaten in a day		40.00	50.00	10.00	
Reduced expenditure on health and education		33.30	33.30	33.30	
Reduced expenditure on non-essential items (beer, cigarettes, etc)		5.00	18.30	61.70	15.00
Reduced expenditure on productive inputs (fertilizer, seeds, etc)				100.00	
Rely on less preferred and less expensive food	25.00	25.00	50.00		
Restrict consumption by adults in order for small children			100.00		
Sale of non-productive assets (jewellery, clothing, etc.)	8.00	8.00	24.00	12.00	48.00



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Selected Indicator

**Capacity: Coping Strategies Adopted by Households - Percentage of households
by frequency of main coping strategies adopted**

Type of Coping Strategy Adopted	Frequency of Adoption				
	1 - Daily	2 - Often (1-2 times/week)	3 - Sometimes (2-3 times/month)	4 - Seldom (1-3 times in 6 months)	5 - Never
Sale of productive assets (land, farm implements, vehicle, etc)				66.70	33.30
Seek alternative or additional jobs		100.00			
Sell more livestock than usual	4.40		57.40	13.20	13.20
Sending children of household for work				100.00	
Short-term / seasonal labor migration			40.00	60.00	
Wereda Finance and economy Office			76.90	23.10	



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Region	AFAR	Zone	ZONE 4	Wereda	GOLINA
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Selected Indicator

Capacity: Alternative Livelihood Sources - Alternative livelihood sources suggested by the community

Kebele Name	Work Option 1	Comment 1	Work Option 2	Comment 2	Work Option 3	Comment 3
DARAYITU	Animal trading	Their livelihood depends on their animal	Labour	There is access to engage in governmental and different works		
MULENA ASALE	Help from the community and their families	Help by animals, money, asset	Animal trading	Buying and selling of animals		
AYIGANA BURTATE	Help from the community and their families	Help by animals, money, asset	Animal trading	Buying and selling of animals		
FOKISA	Selling animals		Charcoal and wood selling			
HOMECHO DAYO	Selling animals	This is the only way of survival in the community	Requesting support from own ethnic group	This is cultural		
GALIKOMA	Help from the community and their families	Help by animals, money, asset	Animal trading	Buying and selling of animals		
KELEWANA	Help each other	Cultural obligation	Selling animal	Animals are all they have	Labour	There is access to engage in governmental and other works
WENASANA HERE GERBO	Selling animals	This is the only way of survival in the community	Labour	There is access to engage in governmental and other works		



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Selected Indicator

Capacity: Recovery from Losses from Disasters - Percentage of households recovered from past disasters by type of Disasters

<u>Type of Disaster</u>	<u>Recovered Percentage</u>
Drought	22.00
Flood	8.15
Landslide	3.26
Crop diseases	2.04
Livestock diseases	26.07
Human diseases	8.76
Heavy Rain	10.18
Frost / Cold waves	1.02
Heat waves/ High temp	10.39
Conflicts	3.67
Economic / Price shock	3.05
Forest Fires	0.61
Earthquake	0.41
Hail storm	0.41



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Selected Indicator:

Capacity: Recovery from Losses from Disasters - Proportion of households recovered by type of Losses

<u>Type of Loss</u>	<u>Percentage</u>
Physical damages on houses and property	8.16
Crop damage	3.56
Livestock damage	40.79
Death of household members	3.77
Illness/health problems	6.69
Loss of access to social services, including school	4.18
Loss of income	5.65
Loss of savings	1.88
Livestock were stolen	2.30
Lost access to grazing land	11.09
Lost access to water source	4.39
Had to flee/change residence area	4.60
Other losses/damages	0.42



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Selected Indicator

Capacity: Coping Options if More Resources Available - What coping strategy could be adopted if more resource were available?

Coping Strategy To Be Adopted

Response (%)

Adaptation of economic activities to hazards season (e.g. cropping cycle, short term crops, etc.)	12.16
Storage of food and other necessities	41.62
Physical protection of buildings and property	43.51
Others (specify)	0.27
Other	2.43



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Region	AFAR	Zone	ZONE 4	Wereda	GOLINA
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Selected Indicator:

Capacity: Coping Strategies Adopted by Households - Percentage of households by major type of coping strategies adopted (at least once)

<u>Coping Strategy Adopted</u>	<u>Main Strategy</u>	<u>Secondary Strategy</u>
Consumption rather than sale of crop surplus	39.96	39.86
Sell more livestock than usual	14.85	3.38
Reduced expenditure on non-essential items (beer, cigarettes, etc)	13.10	1.35
Borrowing of food or cash (including purchasing food on credit)	5.68	2.70
Limit portion size at meals	5.68	6.53
Sale of non-productive assets (Jewelry, clothing, etc.)	5.46	0.23
Collection of wild food	3.06	8.56
Long-term / permanent migration (including distress migration)	2.62	7.43
Reduce number of meals eaten in a day	2.18	7.21
Short-term / seasonal labor migration	1.09	0.90
Restrict consumption by adults in order for small children	1.09	0.23
Sending children of household for work	0.87	0.23
Rely on less preferred and less expensive food	0.87	6.08
Sale of productive assets (land, farm implements, vehicle, etc)	0.66	0.90
Reduced expenditure on health and education	0.66	0.45



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Wereda GOLINA

Selected Indicator:

Capacity: Coping Strategies Adopted by Households - Percentage of households by major type of coping strategies adopted (at least once)

Coping Strategy Adopted

Main Strategy

Secondary Strategy

Reduced expenditure on productive inputs (fertilizer, seeds, etc)

0.66

0.23

Increased working hours

0.66

6.53

Seek alternative or additional jobs

0.22

6.31

WDRP Indicators

Community

Perceptions and Suggestions



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Region	AFAR	Zone	ZONE 4	Wereda	GOLINA	
Selected Indicator	Interventions: Community Perception on Mediums to Influence DRM Actors - Community perception on the effectiveness of institutional channels to use to influence DRM actors					
Kebele Name	Institution_1	Process_Description	Institution_2	Process_Description	Institution_3	Process_Description
AYIGANA BURTATE	Contracting community elders	Make discussion with elders	Inform kebele management	This is the second step next to community elders	Wereda early warning committee	
DARAYITU	Kebele leaders		Dagu system			
FOKISA	Community to kebele	Community reports to kebele early warning committee	Kebele to Wereda Disaster Prevention and Preparedness Office	Kebele to wereda food security task force	Wereda DPP Office to Regional DPP Office	Wereda Food Security task force to Regional Disaster Prevention and Preparedness Office
GALIKOMA	Contracting community elders	Make discussion with elders	Inform kebele management	This is the second step next to community elders	Wereda early warning committee	
MULENA ASALE	Contracting community elders	Make discussion with elders	Inform kebele management	This is the second step next to community elders	Wereda early warning committee	
WENASANA HERE GERBO	Wereda early warning committee	Make discussion with elders	Inform kebele management	This is the second step next to community elders	Wereda early warning committee	



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Region	AFAR	Zone	ZONE 4	Wereda	GOLINA	
Selected Indicator	Interventions: Community Perception on Mediums to Influence DRM Actors - Community perception on the effectiveness of institutional channels to use to influence DRM actors					
Kebele Name	Institution_1	Process_Description	Institution_2	Process_Description	Institution_3	Process_Description
HOMECHO DAYO	Community to kebele	Community reports to kebele early warning committee	Kebele to Wereda Disaster Prevention and Preparedness Office	Kebele to wereda food security task force	Wereda DPP Office to Regional DPP Office	Wereda Food Security task force to Regional Disaster Prevention and Preparedness Office



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Selected Indicator

**Interventions: Community Perception on their Knowledge used in DRM Process -
Perception of the community on how their knowledge influences the priorities
and measures of DRM actors**

<u>KebeleName</u>	<u>Community Suggestions</u>
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DARAYITU	DRM actors do not participate the community
MULENA ASALE	DRM actors do not participate the community
AYIGANA BURTATE	DRM actors do not participate the community
GALIKOMA	DRM actors do not participate the community
WENASANA HERE GERBO	DRM actors do not participate the community



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Selected Indicator

Interventions: Suggestions to improve preparedness - Interventions suggested by the community to development actors to improve preparedness in the area

KebeleName	Measure 1	Comment 1	Measure 2	Comment 2	Measure 3	Comment 3
DARAYITU	Irrigation	To increase their livestock products/to decrease dependency	Cooperative	To create income		
MULENA ASALE	To use irrigation water to cultivate crops	To produce crop production				
AYIGANA BURTATE	To use irrigation water to cultivate crops	To produce crop production				
FOKISA	Irrigation construction	To avoid dependency				
HOMECHO DAYO	Irrigation construction	To avoid dependency				
GALIKOMA	To use irrigation water to cultivate crops	To produce crop production				
KELEWANA	Irrigation construction	To avoid dependency, to increase livestock production	Cooperative	To create income		
WENASANA HERE GERBO	Irrigation	To increase their livestock				



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Selected Indicator	Interventions: Suggestions to DRM Actors in the Area - Community suggested measures to DRM actors in the area for effective DRM actions
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Kebele Name	Measure 1	Comment 1	Measure 2	Comment 2	Measure 3	Comment 3
AYIGANA BURTATE	The agencies must work closely in collaboration	For effectiveness	Creating awareness in the community	To withstand the disaster	Sustainable development	To avoid dependency
DARAYITU	The agencies must work closely in collaboration	For effectiveness	Creating awareness in the community	To withstand the disaster	Sustainable development	To avoid dependency
GALIKOMA	The agencies must work closely in collaboration	For effectiveness	The response must be on time	To minimize the negative effect disaster	Creating awareness in the community	To withstand the disaster
KELEWANA	The agencies must work closely in collaboration	For effectiveness	The response must be on time	To minimize the negative effect disaster	Creating awareness in the community	To withstand the disaster
MULENA ASALE	The agencies must work closely in collaboration	For effectiveness	The response must be on time	To minimize the negative effect disaster	Creating awareness in the community	To withstand the disaster
WENASANA HERE GERBO	Sustainable development	To avoid dependency	The response must on time	To minimize the negative effect of the disaster		
HOMECHO DAYO	Creating awareness in the community	To withstand the disaster	The agencies must work closely in collaboration	For effectiveness	Sustainable development	To avoid dependency



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Selected Indicator

Economic Vulnerability: Community Suggestions to Improve Economic Situation - Community suggested measures to improve the economic situation of the area

<u>KebeleName</u>	<u>Measure 1</u>	<u>Comment 1</u>	<u>Measure 2</u>	<u>Comment 2</u>	<u>Measure 3</u>	<u>Comment 3</u>
DARAYITU	Irrigation	To increase their livestock products/to decrease dependency	Cooperative	To create income		
MULENA ASALE	To use irrigation water to cultivate crops	To produce crop production				
AYIGANA BURTATE	To use irrigation water to cultivate crops	To produce crop production				
FOKISA	Irrigation construction	To avoid dependency				
HOMECHO DAYO	Irrigation construction	To avoid dependency				
GALIKOMA	To use irrigation water to cultivate crops	To produce crop production				
KELEWANA	Irrigation construction	To avoid dependency, to increase livestock production	Cooperative	To create income		
WENASANA HERE GERBO	Irrigation	To increase their livestock				



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Selected Indicator		Community Awareness of Disaster Risk Management System and Actors			
Kebele Name		AYIGANA BURTATE			
Institution 1	Water Office				
Responsibility	To give potable water				
Activity	Maintenance and sanitation				
Institution 2	Health Office				
Responsibility	To control the community health				
Activity	Give medicine				
Institution 3	Early warning				
Responsibility	To supply the community				
Activity					
Kebele Name		DARAYITU			
Institution 1	Early warning				
Responsibility	To support the community				
Activity	Food aid				
Institution 2	Health Office				
Responsibility	To control the community health				
Activity	Diagnosis and giving medicine				
Institution 3	Water Office				
Responsibility	To give potable water for the community				
Activity	Live pump maintenance and install the water				



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Selected Indicator Community Awareness of Disaster Risk Management System and Actors					
Kebele Name FOKISA					
Institution 1	Health Office				
Responsibility					
Activity					
Institution 2	Early warning Office				
Responsibility					
Activity					
Institution 3	Water Office				
Responsibility					
Activity					
Institution 1	Health Office				
Responsibility	To assure community health status				
Activity	Diagnosis and giving medicine				
Institution 2	Water Office				
Responsibility	To assure community water				
Activity	Water line pump install and maintain				
Institution 3	Early warning				
Responsibility	To support the community				
Activity	Food aid				
Kebele Name GALIKOMA					



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Selected Indicator					
Community Awareness of Disaster Risk Management System and Actors					
<u>Institution 1</u>	Water Office				
<u>Responsibility</u>	To give potable water for community				
<u>Activity</u>	Maintenance /sanitation				
<u>Institution 2</u>	Health Office				
<u>Responsibility</u>	To control the community health				
<u>Activity</u>	Giving medicine				
<u>Institution 3</u>	Early warning				
<u>Responsibility</u>	To support the community				
<u>Activity</u>	It is good				
<u>Kebele Name</u>	KELEWANA				
<u>Institution 1</u>	Early warning				
<u>Responsibility</u>	To support the community				
<u>Activity</u>	Food aid				
<u>Institution 2</u>	Health Office				
<u>Responsibility</u>	To control the community health				
<u>Activity</u>	Diagnosis and giving medical treatment				
<u>Institution 3</u>	Water Office				
<u>Responsibility</u>	Pure water for community				
<u>Activity</u>	Install the water				
<u>Kebele Name</u>	MULENA ASALE				



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Region	AFAR	Zone	ZONE 4	Wereda	GOLINA
Selected Indicator					
Community Awareness of Disaster Risk Management System and Actors					
<u>Institution 1</u>	Water Office				
<u>Responsibility</u>	To give potable water				
<u>Activity</u>	Maintenance and sanitation				
<u>Institution 2</u>	Health Office				
<u>Responsibility</u>	To control the community health				
<u>Activity</u>	Give medicine				
<u>Institution 3</u>	Non government organization				
<u>Responsibility</u>	To supply the community				
<u>Activity</u>					



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Region AFAR

Zone ZONE 4

Wereda GOLINA

Selected Indicator

Community Perception of DRM System and Actors - Perception of the community on the effectiveness of DRM system in helping them to prevent, cope and recover from disasters

<u>KebeleName</u>	<u>Prevention</u>	<u>Coping</u>	<u>Recovery</u>	<u>Overall Effectiveness</u>
AYIGANA BURTATE	No prevention	No response	It is low (no recovery)	There is no response on time, the agencies are not working in collaboration
DARAYITU	It is good	It is good	It is low	The agencies are not working in collaboration and intervention does not reach on time
GALIKOMA			It is low	The response must be on time, the agencies are not working in collaboration
KELEWANA	It is weak to prevent the disaster	The government did not make enough support	The government agencies are not effective in their activities	The sector is not working in collaboration, the intervention need to be on time
MULENA ASALE	No prevention	No response	It is low	There is no response
WENASANA HERE GERBO	It is good	It is good	It is low	The intervention does not reach on time
HOMECHO DAYO	Effective	Good	Low	The intervention does not reach on time



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Selected Indicator

Major Public Interventions Desired - Percentage of households by type of intervention desired

Major public interventions desired by the community	Degree of Importance for the community		
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	1st	2nd	3rd
Better job	13.82	16.80	19.62
Cash transfers/social assistance	0.81	9.21	4.63
Cash-for-work activities (not employment)	0.81	4.61	8.17
Food-for-work activities	3.52	2.71	7.36
Medical assistance / access to health facilities	1.08	0.54	13.35
Micro-credit programmes	1.36	3.79	3.27
Rental subsidies	0.81	1.36	1.09
School fees for children	4.07	8.13	5.99
Subsidized food	8.94	31.44	3.27
Subsidized health care	1.90	3.25	10.63
Supplementary feeding for women and young children	1.90	10.30	14.71
Food aid	60.16	5.96	4.36

WDRP Indicators

Other Community Characteristics



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Selected Indicator

Capacity: Community Based Organizations in the Wereda

<u>Name Of Organization</u>	<u>Est. Year</u>	<u>Formal/Informal</u>	<u>Type of Members</u>	<u>Activity</u>
-----------------------------	------------------	------------------------	------------------------	-----------------

<u>Kebele Name</u>	KELEWANA			
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Women association	2002	Formal	31	
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Region AFAR

Zone ZONE 4

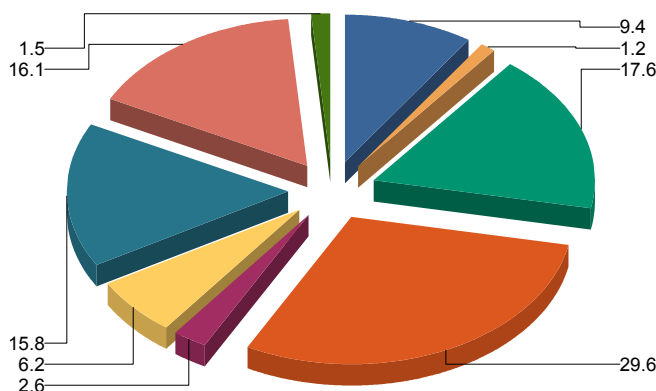
Wereda GOLINA

Selected Indicator

Supporting Agencies against Disasters - Percentage of households by supporting institutions to handle or recover from disaster damages

<u>Supporting Agencies Against Disasters</u>	<u>Response Percentage</u>
National or local authorities	6.16
International NGOs (e.g. UN organizations, ICRC, etc.)	29.62
Local NGOs	2.64
Family members in the same community	9.38
Friends and neighbors in the same community	17.60
Family members outside the community	1.17
Support via contacts working for the authorities	1.47
Support via contacts working for NGOs	16.13
None	15.84

Supporting Agencies Against Disasters





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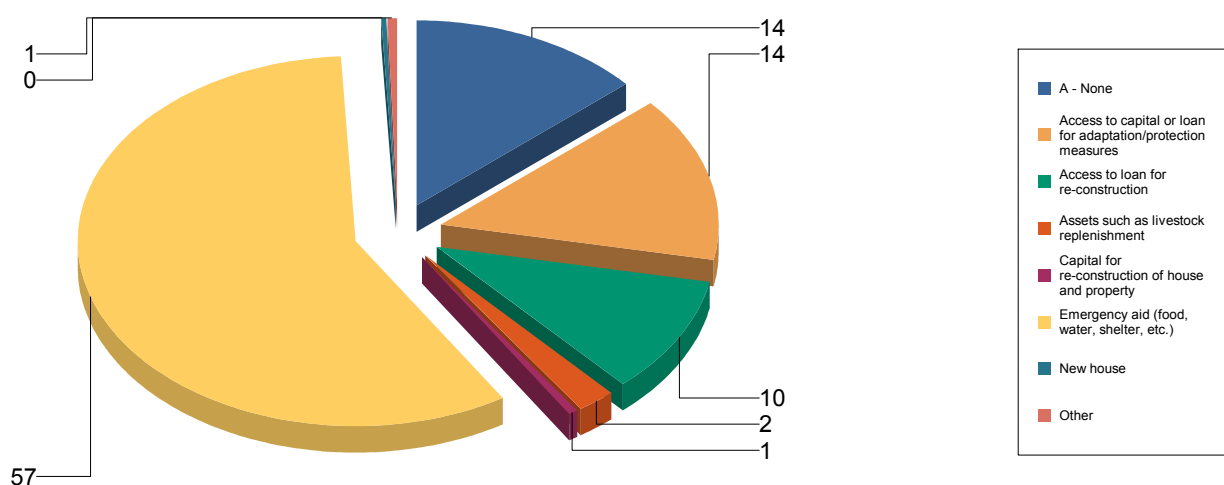
<u>Region</u>	AFAR	<u>Zone</u>	ZONE 4	<u>Wereda</u>	GOLINA
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Selected Indicator

Types of support received by households during disasters

<u>Type of Support Provided By Supporting Agencies</u>	<u>Response Percentage</u>
A - None	13.50
Emergency aid (food, water, shelter, etc.)	57.23
Capital for re-construction of house and property	0.64
New house	0.32
Access to loan for re-construction	10.29
Access to capital or loan for adaptation/protection measures	14.15
Other	0.64
Assets such as livestock replenishment	2.25

Type of Support Provided By Supporting Agencies





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Selected Indicator	Government Actors in the Field of Disaster Risk Management - Government actors and their activities in the field of Disaster Risk Managements
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Government Institution	Wereda Administration Office
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Activity	Water sanitation
Description	Water sanitation
Activity	Maintenance of water pipes
Description	
Activity	
Description	
Activity	
Description	

Government Institution	Wereda Agriculture Office
------------------------	---------------------------

Activity	Need assessment
Description	To know the need of community
Activity	Supplies agricultural inputs
Description	To change the livelihood style to agro pastoralist
Activity	Give agricultural extension techniques
Description	To know about production system
Activity	
Description	



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Selected Indicator		Government Actors in the Field of Disaster Risk Management - Government actors and their activities in the field of Disaster Risk Managements				
Government Institution		Wereda Education Office				
Activity	To decrease school dropout through WFP food aid					
Description	It is good					
Activity						
Description						
Activity						
Description						
Activity						
Description						
Government Institution		Wereda Health Office				
Activity	Collect early warning data monthly					
Description	Assessment					
Activity	Aware the community about the coming hazard					
Description	To be ready					
Activity	Inform to all stakeholders					
Description	To be ready					
Activity						
Description						



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Tuesday, February 16, 2021

<u>Region</u> AFAR		<u>Zone</u> ZONE 4	<u>Wereda</u> GOLINA
Selected Indicator		Government Actors in the Field of Disaster Risk Management - Government actors and their activities in the field of Disaster Risk Managements	
Activity	Early warning data collect		
Description	Wereda early warning committee monthly collect early warning data and submit to wereda food security committee		
Activity	Disseminating information about the hazard		
Description	The data analysis compiled and disseminated to stakeholders		
Activity	Food aid		
Description	Deliver food aid for disaster victims		
Activity	Work in collaboration with stakeholders		
Description			



Data Collected Date

Tuesday, February 16, 2021

<u>Region</u>	AFAR	<u>Zone</u>	ZONE 4	<u>Wereda</u>	GOLINA
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Selected Indicator	Non-Government Actors in the Field of Disaster Risk Management - Non-government actors and their activities in the field of Disaster Risk Management
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<u>Non Governmental Actors in the Wereda</u>	<u>Activities</u>
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WHO	Funding resources, deliver medicine
UNICEF	Funding resources, deliver medicine
Save the children	Funding resources, deliver medicine



Data_Collected_Date

February 16, 2021

Region	Zone	Wereda
Selected Indicator: Interventions: Community Suggestions to Development Actors		
Kebele Name		
Type Of Disaster 1	Type Of Disaster 3	
Early Warning Indicator	Early Warning Indicator	
Preparedness Measure	Preparedness Measure	
Type Of Disaster 2	Type Of Disaster 4	
Early Warning Indicator	Early Warning Indicator	
Preparedness Measure	Preparedness Measure	



Wereda Disaster Risk Profile

National Disaster Risk Management Commission (NDRMC)



Data Collected Date

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<u>Region</u>	AFAR	<u>Zone</u>	ZONE 4	<u>Wereda</u>	GOLINA
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Selected Indicator

Wereda Strengths, weaknesses, opportunitites and treats (SWOT) Analysis

<u>Kebele Name</u>	Strength	Weakness	Opportunity	Threat
AYIGANA BURTATE	No opportunities	Un favorable weather condition is increasing from day to day	No opportunities	
DARAYITU	High social interaction Cooperation (help each other)	Lack of awareness Illiteracy	Road construction	Increased severity of disaster
FOKISA	Help each other	Unwise use of resources	Road construction	Urbanization
GALIKOMA	Help each other by sharing asset	Weather condition, temperature increasing , area land escape	No opportunities	
KELEWANA	Help each others Information transmission system (Dagu)	Poor animal husbandry Poor animal husbandry		Urbanization, lack of feed
MULENA ASALE	High social interaction and helping each other	Land escape problem, increasing temperature, lack of awareness	No opportunities	
WENASANA HERE GERBO	High social interaction	Lack of awareness	Access to road	Increased severity of disaster
HOMECHO DAYO	Help each other Information transmission system (Dagu)	Traditional animal rearing		Urbanization, animal and human diseases outbreak