

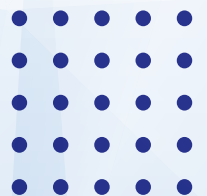


**Federal Republic of Somalia**  
**SOMALIA NATIONAL**  
**BUREAU OF STATISTICS**

# **FOOD** **SECURITY**

---

## **PROFILE** **2024**





# Federal Republic of Somalia

## SOMALIA NATIONAL BUREAU OF STATISTICS (SNBS)

### FOOD SECURITY PROFILE, 2024

#### National population size



**16,296,850**  
**Population (2024)**

*Data source PESS projection*

#### Household size



**Average household  
size 6.7**

*Data source SIHBS 2022*

#### Poverty incidence rate by residence



**Nomadic  
78.4%**

**Rural  
65.5%**



**Urban  
46.1%**

**National  
65.5%**

*Data source SIHBS 2022*

#### Nutritional status of children



**27.8%**

**Stunting**

(Low height for age)



**11.6%**

**Wasting**

(Low weight for height)



**22.7%**

**Underweight**

(low weight for age)

*Data source SHDS 2020*

#### Crude birth

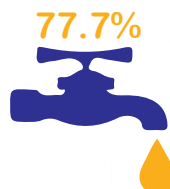


**42.2**

**Crude birth rate  
per 1000 population**

*Data source SHDS 2020*

#### Access to improved water and sanitation



**77.7%**

**Improved Water**

*Data source SIHBS 2022*

**60.7 %**



**Improved sanitation**



*Data source SHDS 2020*

**692**

**Maternal mortality ratio  
per 100,000 live births**

According to SHIBS 2022 , 54.4 percent of Somali population live below the poverty line, as they consume less than \$2.06 per day

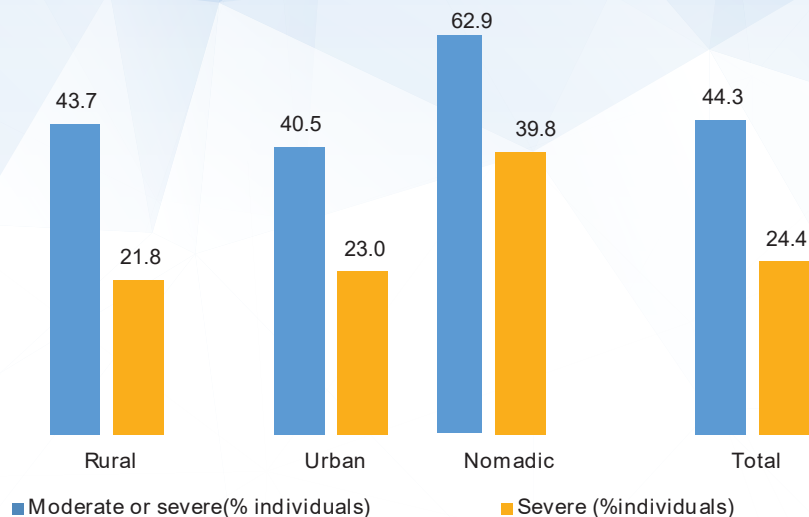


# Federal Republic of Somalia

## SOMALIA NATIONAL BUREAU OF STATISTICS (SNBS)

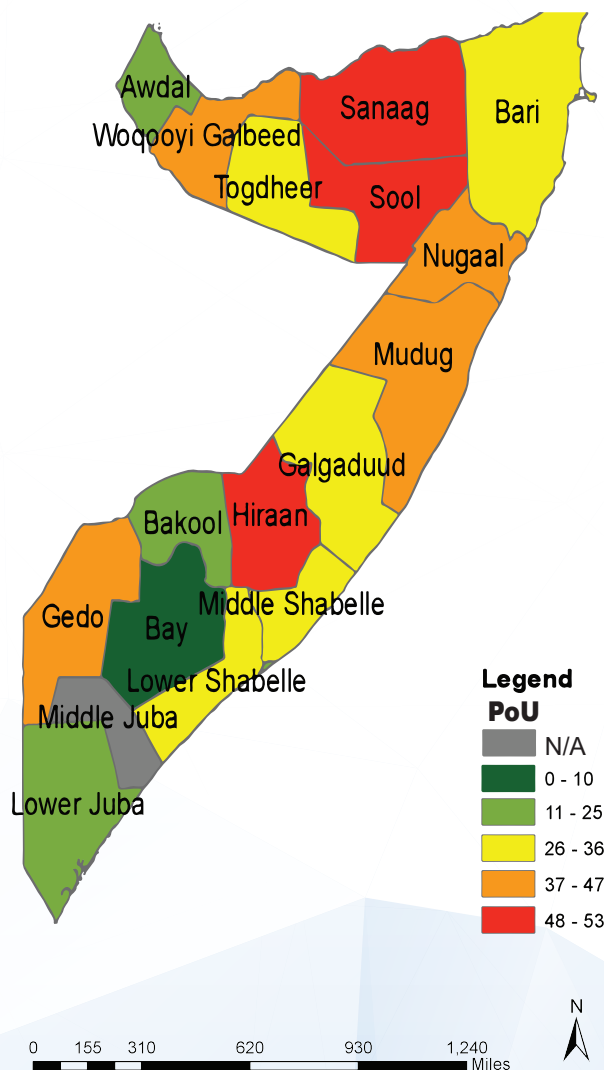
### FOOD SECURITY PROFILE, 2024

#### Food insecurity experience scale (FIES) by place of residence

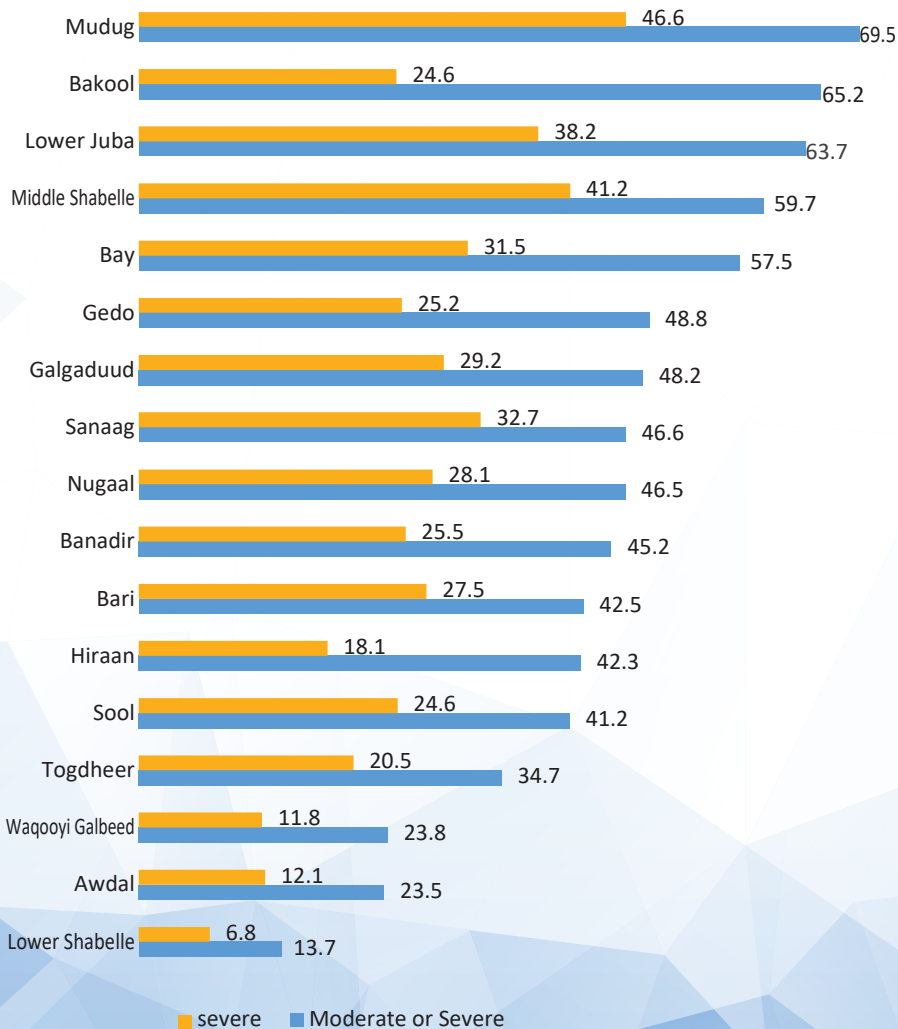


Prevalence of Undernourishment (PoU)  
**33%**

#### Prevalence of Undernourished by region



#### Prevalence rates of food insecurity by region (Percentage of individuals)



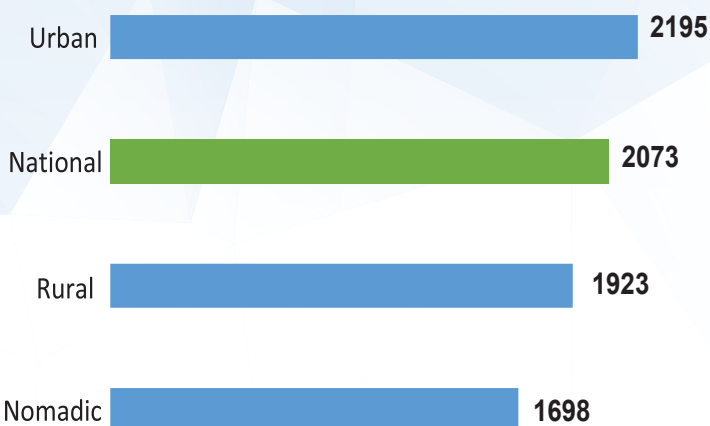


# Federal Republic of Somalia

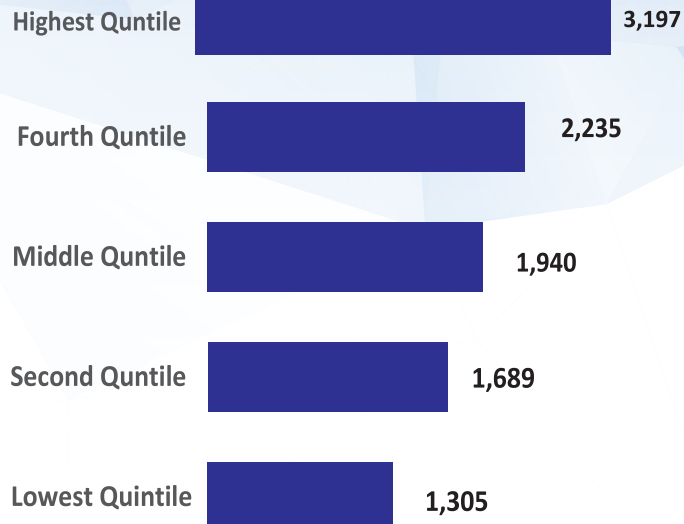
## SOMALIA NATIONAL BUREAU OF STATISTICS (SNBS)

### FOOD SECURITY PROFILE, 2024

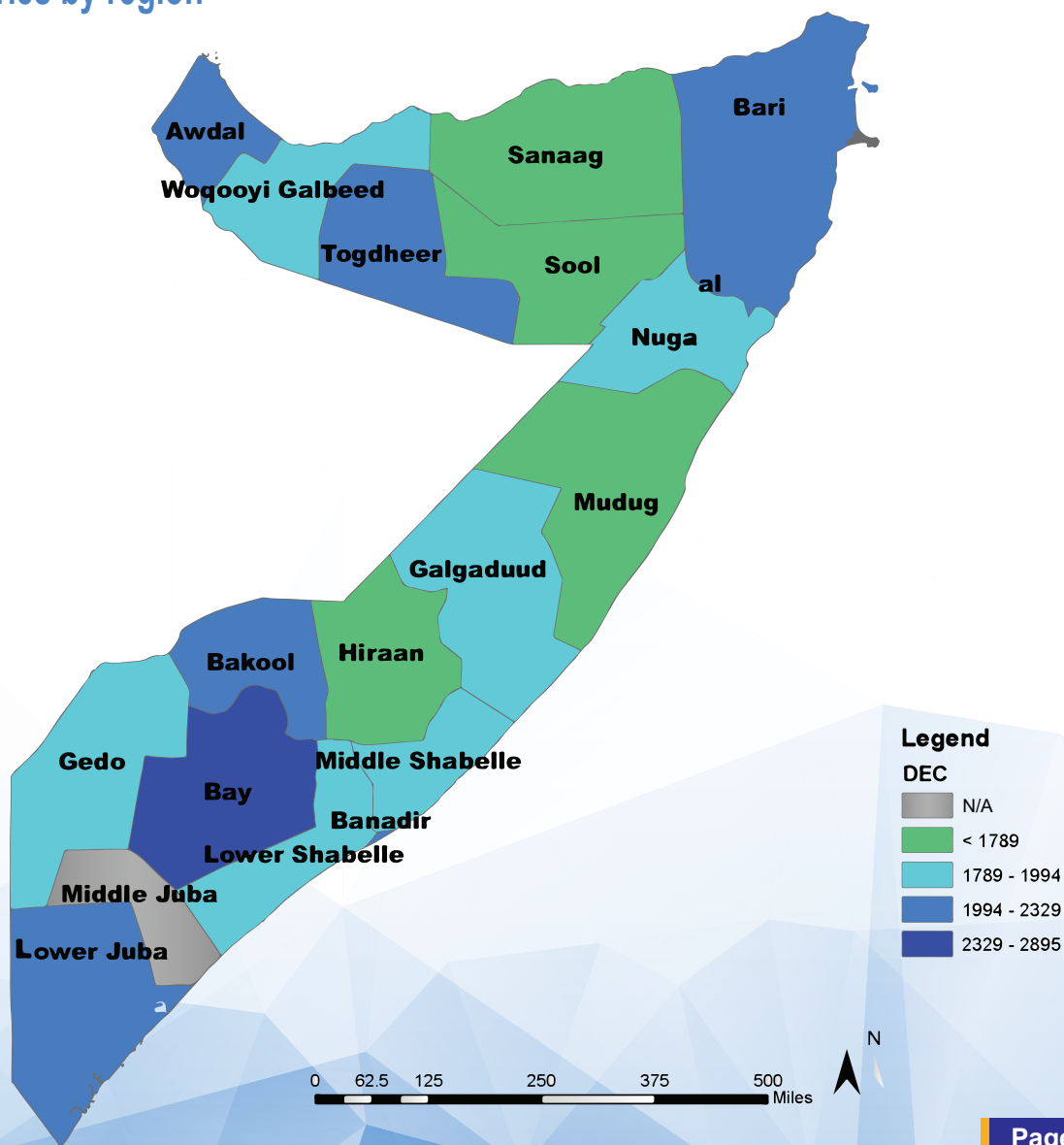
#### Average Dietary Energy Consumption (DEC) in calories by place of residence



#### Average DEC in calories by income quintiles



#### Average DEC in calories by region





# Federal Republic of Somalia

## SOMALIA NATIONAL BUREAU OF STATISTICS (SNBS)

### FOOD SECURITY PROFILE, 2024

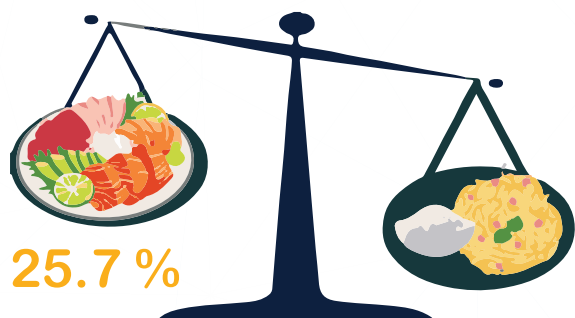
#### Consumption in grams of fruits and vegetables Vs WHO recommendations

Consumed  
In Somalia  
**241 grams**  
Per capita per day



Recommended by  
World Health Organization  
for a healthy diet  
**400 grams**  
Per capita per day

#### Percentage of households with access to balanced diet



About 26% of people in Somali households has access to balanced diet

#### Households with a balanced diet by sex of household head



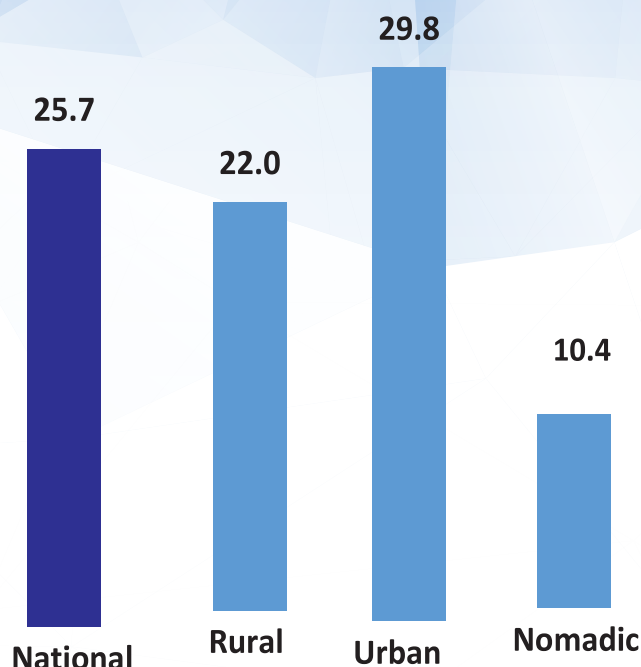
23.6%



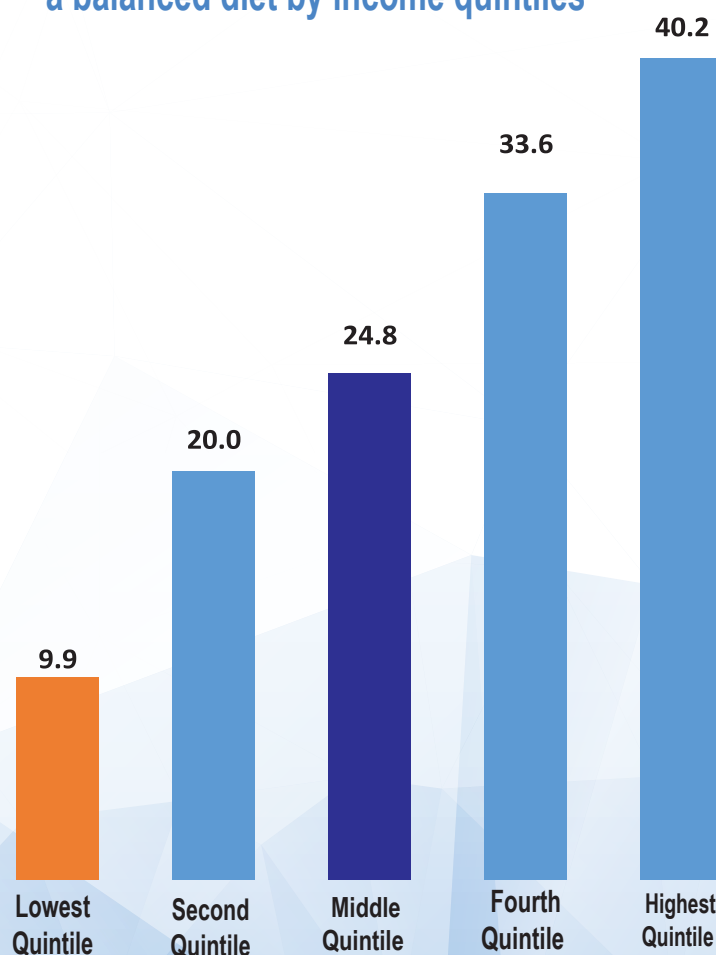
27.7%

Higher percentage of female headed households consumed a balanced diet

#### Access to a balanced diet by place of residence



#### Percentage of population consuming a balanced diet by income quintiles



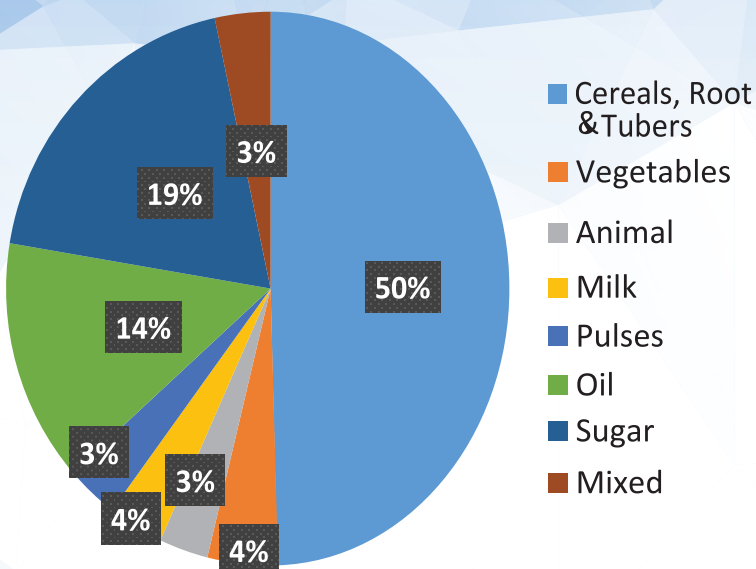


# Federal Republic of Somalia

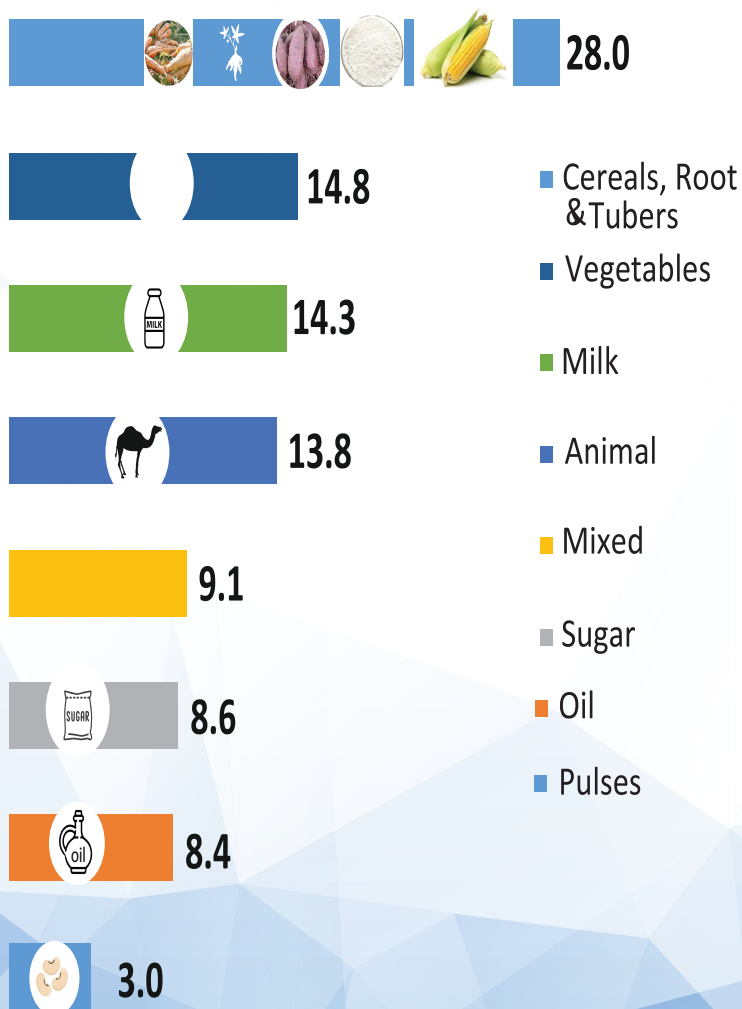
## SOMALIA NATIONAL BUREAU OF STATISTICS (SNBS)

### FOOD SECURITY PROFILE, 2024

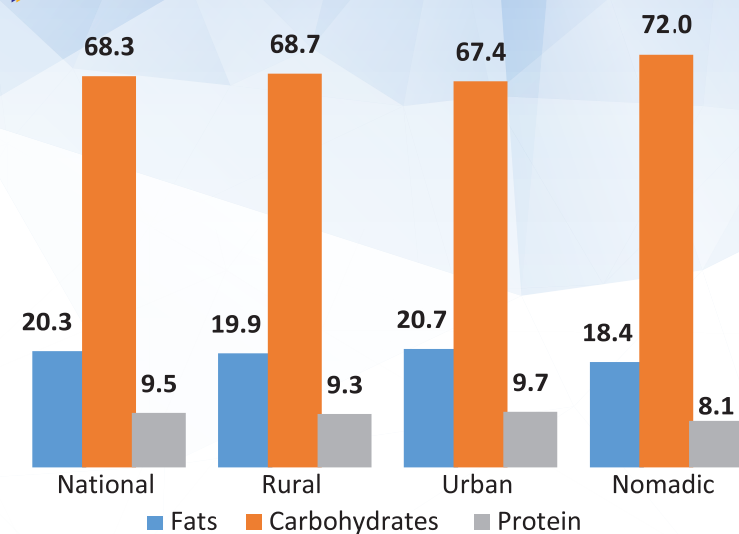
#### Share of kcal by food groups



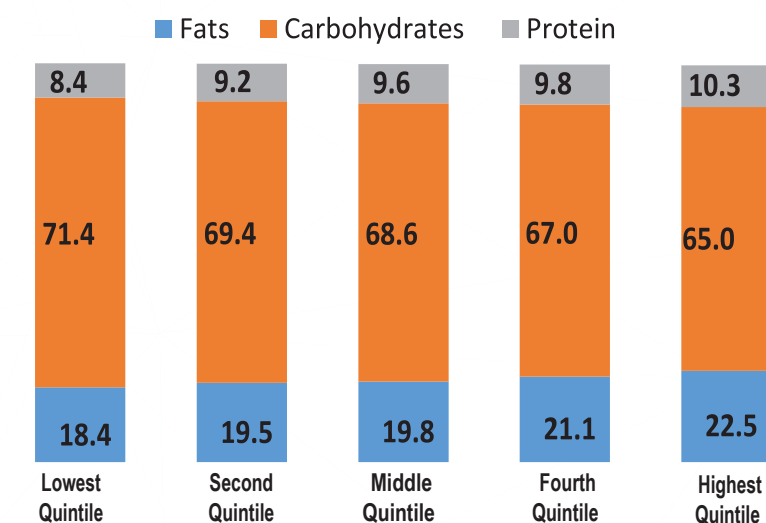
#### Share of total food expenditure by food groups. Percentage



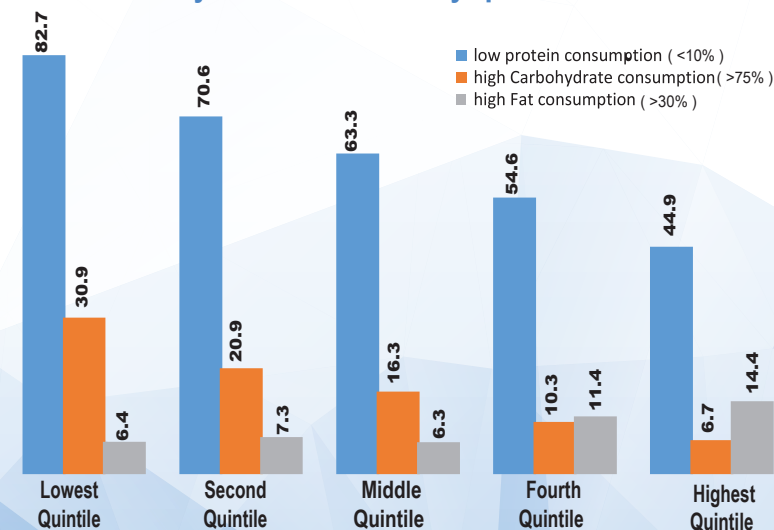
#### Share of macronutrients by place of residence



#### Share of macronutrients by quintile



#### Low consumption of protein and high consumption of carbohydrates and fats by quintiles



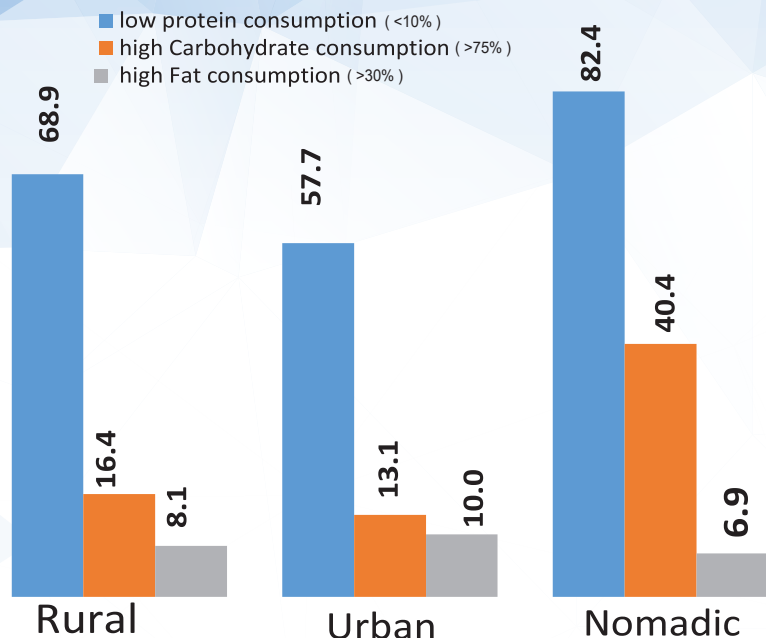


# Federal Republic of Somalia

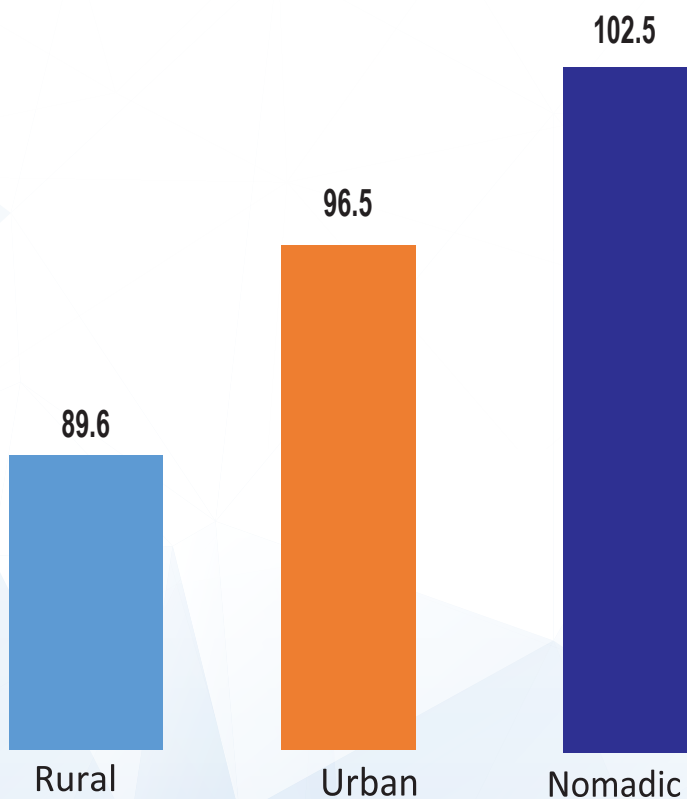
## SOMALIA NATIONAL BUREAU OF STATISTICS (SNBS)

### FOOD SECURITY PROFILE, 2024

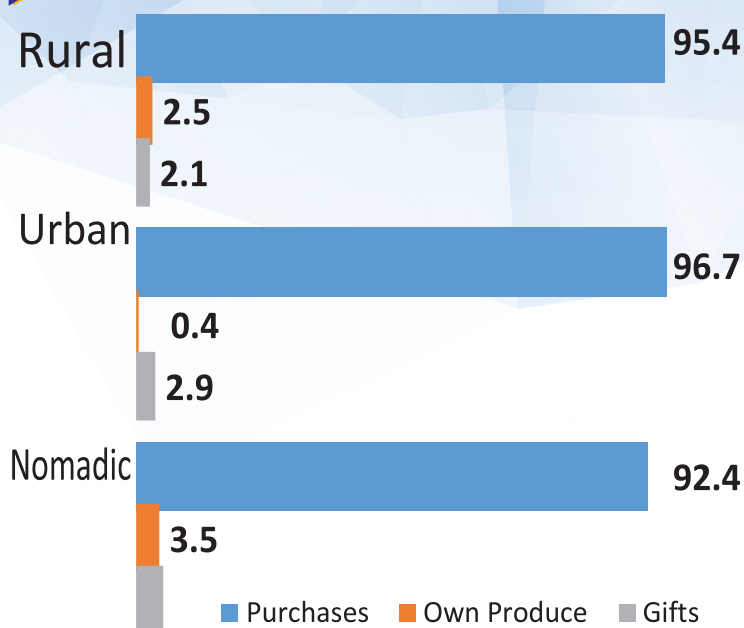
#### Low consumption of protein and high consumption of carbohydrates and fats by residence



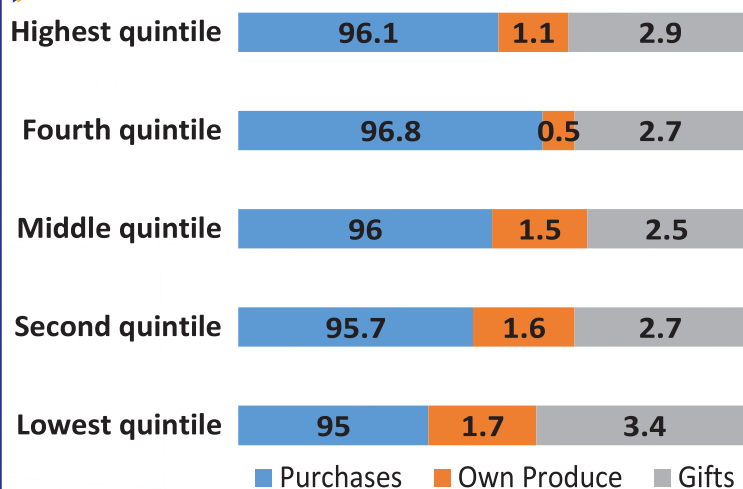
#### Consumption of sugar in grams per day by residence



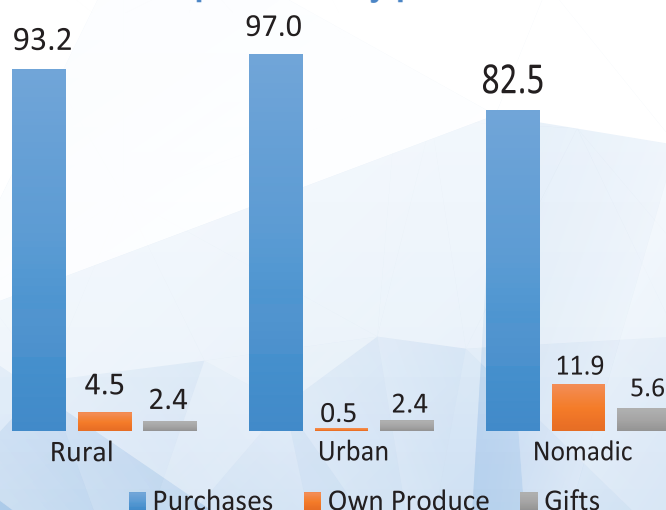
#### Source of calories by residence



#### Source of calories by income quintiles



#### Source expenditure by place of residence



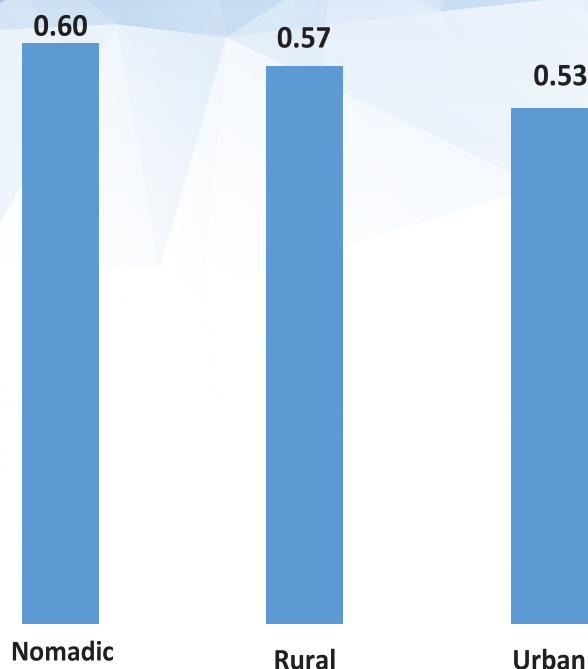


# Federal Republic of Somalia

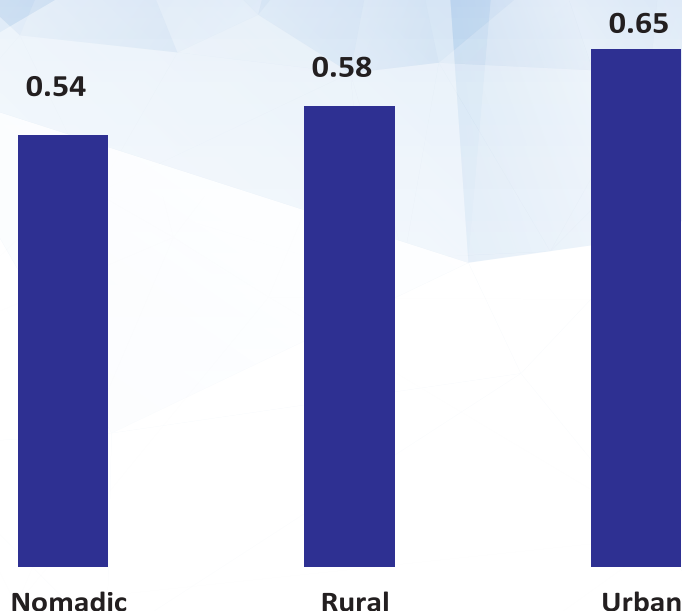
## SOMALIA NATIONAL BUREAU OF STATISTICS (SNBS)

### FOOD SECURITY PROFILE, 2024

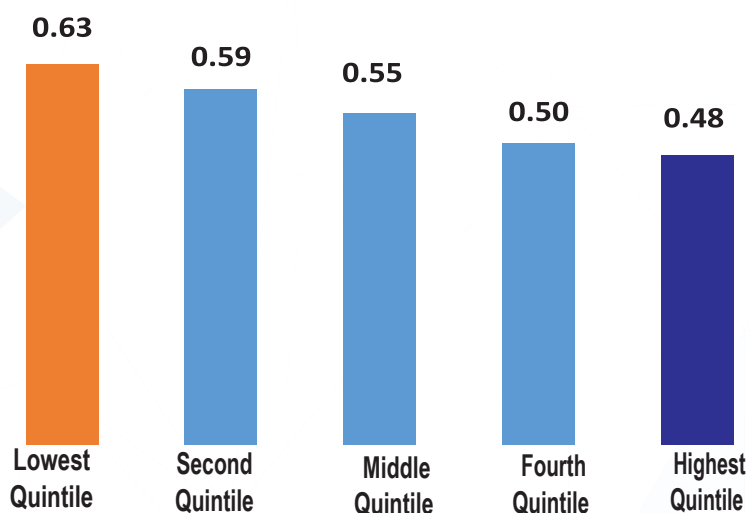
Engel Ratio by residence



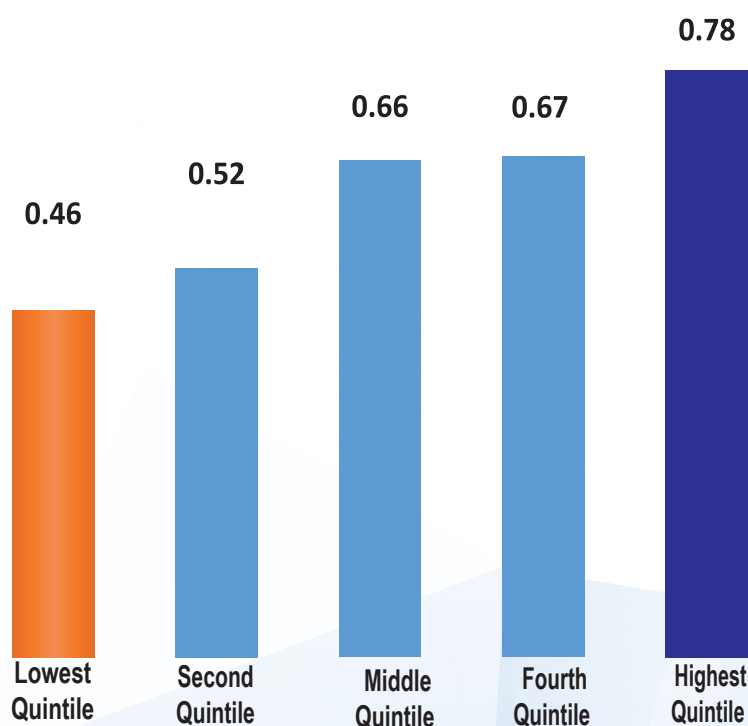
Cost per 1000 calories by residence



Engel ratio by income quintiles



Cost per 1000 calories by income quintiles





Federal Republic of Somalia

# SOMALIA NATIONAL BUREAU OF STATISTICS (SNBS)

## FOOD SECURITY PROFILE, 2024

### ► Foods eaten at least 20% by place of residence

Food Items	% Consumed in Rural	% Consumed in Urban	% Consumed among Nomadic
Sugar - white	99.2	98.8	98.4
Cooking oil	99.2	98.8	98.7
Spaghetti	89.1	90.8	63.0
Onion	91.7	88.5	79.5
White Potatoes	83.4	86.8	64.4
Wheat flour - white	84.8	78.1	88.1
Tomato	69.3	77.7	48.6
Black tea (in bulk)	76.6	74.6	87.9
Bananas	40.4	73.0	2.0
Milk - Powdered	59.5	72.8	36.9
Garlic	69.2	68.1	32.7
Macaroni	54.1	62.1	17.6
Rice - White [Local]	61.6	55.4	66.4
Lime	56.5	52.0	17.8
Camel meat - fresh	21.3	50.7	1.9
Rice - White Hamsa [Imported]	34.2	47.4	28.3
Green pepper	33.8	46.3	19.5
Goat Meat - Fresh	50.7	44.8	33.0
Beans, Dried (local red beans)	29.4	37.3	22.1
White bread	13.5	28.5	1.9
Spinach	14.8	26.1	0.1
Lemon	8.5	25.2	2.8
Camel Milk - Fresh	23.4	24.2	28.6
Lettuce	11.3	23.3	0.6
Tomato Paste (canned)	28.4	23.0	26.5
Maize grain	26.4	22.2	17.4
Maize flour	14.7	21.6	13.4
Cucumbers	19.4	21.4	0.5
Coffee Milled - local [Qaxwo]	17.8	20.7	5.1
Foster Powder	20.1	20.4	11.2
Carrots	12.7	20.1	1.8



# Federal Republic of Somalia

## SOMALIA NATIONAL BUREAU OF STATISTICS (SNBS)

### FOOD SECURITY PROFILE, 2024

#### About the SIHBS survey

The Somali Integrated Household Budget Survey (SIHBS) was conducted by Somali National Bureau of Statistics (SNBS) with support from the World Bank Group. Fieldwork was completed between 10th May and 31st July 2022. The survey is a multi-topic data collection instrument that aimed to monitor welfare, provide macroeconomic base-lines and establish baseline survey for a frequent data collection system in the future, and build the technical and administrative capacity necessary for SNBS to run future SIHBSs with no or minimal external support. The survey highlights living conditions of the population, while at the same time serving the needs of planning and monitoring progress towards attainment of development goals as stipulated in the Somali National development plan (NDP9) and the Sustainable Development Goals (SDGs). Among other crucial indicators, the information includes consumption and expenditure, demographic characteristics, health, education, labour force participation, energy and water sanitation credit and income, household enterprises, agricultural activities, housing infrastructure and asset ownership and food security indicators. The survey also provides researchers with dataset that would allow further analysis to inform policy making process.

The survey report was published on February 20, 2023, on the Somali National Data Archive (SoNADA) and can be accessed at <https://microdata.nbs.gov.so/index.php/catalog/59>

#### About this Project

The output presented here is the result of a collaborative project between COMESA, Statistics Norway, and FAO to build capacity in National Statistical Offices for producing food security statistics based on Household Consumption and Expenditure Surveys. The goal is that this information will be produced regularly and be available for use together with the other statistics produced from these surveys.

#### References

1. Somalia National Bureau of Statistics. Somali Health and Demographic Survey 2020
2. Somalia National Bureau of Statistics. Somali Poverty Report 2023
3. Somalia National Bureau of Statistics. Population estimation survey Somalia 2014
4. Somalia National Bureau of Statistics. The Somali Integrated Household Budget Survey 2022



# Federal Republic of Somalia

## SOMALIA NATIONAL BUREAU OF STATISTICS (SNBS)

### FOOD SECURITY PROFILE, 2024

#### Glossary

- **Food Security:** A state where all people, at all times, have physical and economic access to sufficient, safe, and nutritious food to meet their dietary needs and food preferences for an active and healthy life.
- **Nutrition Security:** A state where all people have access to a diverse, balanced, and adequate diet, coupled with a sanitary environment, and adequate health services, so they can grow and develop normally and live healthy, active lives.
- **Prevalence of Undernourishment (PoU):** The percentage of the population whose habitual food consumption is insufficient to provide the dietary energy levels necessary to maintain a normal, active, healthy life. It's an indicator of chronic hunger in a population.
- **Food Insecurity Experience Scale (FIES):** A survey-based tool used to measure the severity of food insecurity experienced by households. It assesses various aspects of food insecurity, such as anxiety about food availability and insufficiency in food consumption.
- **Severe Food Insecurity:** The most extreme form of food insecurity, characterized by households experiencing hunger, skipping meals, or going without food for a whole day due to lack of resources.
- **Dietary Energy Consumption (DEC):** The amount of energy (measured in calories or kilocalories) a person consumes from food and beverages over a specific period (usually denominated as per person per day).
- **Macronutrients:** Nutrients required by the body in large amounts, primarily carbohydrates, proteins, and fats. They provide energy and are essential for growth, development, and bodily functions.
- **Balanced Diet:** According to FAO/WHO guidelines (2003), a balanced diet should consist of 5-30% fat, 55-75% carbohydrates, and 10-15% protein.
- **Income Quintiles:** A way of dividing a population into five equal groups based on their income levels. The lowest quintile represents the poorest 20% of the population, while the highest quintile represents the wealthiest 20%.
- **Engel Ratio:** The proportion of a household's total income spent on food. A higher Engel ratio generally indicates a lower standard of living as a larger share of income is allocated to basic necessities.



# Federal Republic of Somalia

## SOMALIA NATIONAL BUREAU OF STATISTICS (SNBS)

### FOOD SECURITY PROFILE, 2024

## Appendix

### ► Average consumption per capita per day

		Calories	Percentage of carbs	Percentage of fats	Percentage of protein	Percentage of protein from animal
Place of residence	Rural	1,923	68.7	19.9	9.3	21.1
	Urban	2,195	67.4	20.7	9.7	23.1
	Nomadic	1,698	72.0	18.4	8.1	18.1
Region	Awdal	2,329	70.0	19.9	8.5	22.8
	Bakool	2,120	68.1	21.5	8.6	21.1
	Banadir	2,283	65.7	22.1	10.0	23.2
	Bari	2,103	70.7	16.4	10.7	24.1
	Bay	2,896	67.9	19.6	9.7	15.7
	Galgaduud	1,990	70.0	19.1	9.2	25.3
	Gedo	1,916	70.9	17.3	9.5	17.7
	Hiraan	1,661	66.1	21.3	10.2	24.6
	Lower Juba	2,187	69.3	18.9	9.8	21.4
	Lower Shabelle	1,973	64.9	22.8	10.0	22.6
	Waqooyi Galbeed	1,894	70.0	19.4	8.9	22.0
	Middle Shabelle	1,994	65.9	22.1	9.4	18.9
	Mudug	1,752	71.9	17.2	9.2	20.6
	Nugaal	1,900	67.5	20.7	9.9	26.4
	Sanaag	1,789	69.4	20.8	8.5	21.1
	Sool	1,789	69.8	20.3	8.5	23.2
	Togdheer	2,077	67.7	21.8	8.9	24.3
Income Quintile	Lowest quintile	1,305	71.4	18.4	8.4	14.4
	Second quintile	1,689	69.4	19.5	9.2	19.3
	Middle quintile	1,940	68.6	19.8	9.6	22.5
	Fourth quintile	2,235	67.0	21.1	9.8	25.5
	Highest quintile	3,197	65.0	22.5	10.3	28.7
Poverty Status	Non-poor	2,637	66.3	21.6	10.0	26.6
	Poor	1,601	69.9	19.2	9.0	18.3
Sex of Head	male	2,005	68.2	20.4	9.3	22.3
	female	2,138	68.3	20.1	9.6	21.9
Total		2,073	68.3	20.3	9.5	22.1



# Federal Republic of Somalia

## SOMALIA NATIONAL BUREAU OF STATISTICS (SNBS)

### FOOD SECURITY PROFILE, 2024

#### ► Consumption of fruits & vegetable

		Consumption of fruits & vegetables in grams per capita	percentage of HHs consuming less than 400g fruits & vegetables
Place of residence	Rural	194	89
	Urban	292	79
	Nomadic	56	99
Region	Awdal	235	82
	Bakool	122	92
	Banadir	383	69
	Bari	168	92
	Bay	450	70
	Galgaduud	88	97
	Gedo	248	80
	Hiraan	286	77
	Lower Juba	252	78
	Lower Shabelle	296	82
	Waqooyi Galbeed	178	93
	Middle Shabelle	274	77
	Mudug	91	97
	Nugaal	147	94
	Sanaag	131	95
	Sool	167	93
	Togdheer	210	87
Income Quintile	Lowest quintile	102	95
	Second quintile	157	92
	Middle quintile	232	86
	Fourth quintile	278	83
	Highest quintile	438	63
Poverty Status	Non-poor	341	75
	Poor	158	92
Sex of Head	male	227	86
	female	255	82
Total		241	84



# Federal Republic of Somalia

## SOMALIA NATIONAL BUREAU OF STATISTICS (SNBS)

### FOOD SECURITY PROFILE, 2024

#### ► Cost of calories by food group

		Average Calories per person per day	Share of calories from cereals, roots & tubers	Share of calories from vegetables	Share of calories from pulses	Share of calories from milk	Share of calories from animal foods	Share of calories from sugar	Share of calories from oils	Share of calories from mixed foods
Place of residence	Rural	1,923	51.3	3.8	2.8	3.6	2.6	18.8	14.2	2.8
	Urban	2,195	48.7	4.9	3.5	3.2	3.4	18.0	14.4	3.9
	Nomadic	1,698	50.8	1.5	2.4	3.6	2.1	24.6	13.2	1.8
Income Quintile	Lowest quintile	1,305	53.6	2.9	2.7	2.4	1.6	21.8	13.9	1.1
	Second quintile	1,689	52.3	3.3	3.1	3.3	2.3	19.4	14.1	2.1
	Middle quintile	1,940	50.2	4.6	3.1	3.6	3.0	18.5	13.8	3.3
	Fourth quintile	2,235	47.4	5.0	3.4	3.8	3.6	17.9	14.6	4.3
	Highest quintile	3,197	44.5	5.6	3.7	3.7	4.6	17.2	14.7	6.1
Total		2,073	49.6	4.3	3.2	3.4	3.0	19.0	14.2	3.4

#### ► Cost of calories by food expenditure

		Average expenditur e per person per day	Share of expenditur e on cereals, roots & tubers	Share of expenditur e on vegetables	Share of expenditur e on pulses	Share of expenditur e on milk	Share of expenditur e on animal foods	Share of expenditur e on sugar	Share of expenditur e on oils	Share of expenditur e on mixed foods
Place of residence	Rural	1.14	30.05	13.29	2.80	15.51	12.78	8.45	8.71	8.41
	Urban	1.45	26.43	16.43	3.11	13.64	14.70	8.04	7.90	9.76
	Nomadic	0.93	32.53	8.77	2.57	15.34	10.59	12.51	10.50	7.19
Income Quintile	Lowest quintile	0.59	36.80	11.67	3.05	12.18	8.57	11.87	9.88	5.99
	Second quintile	0.86	31.43	12.73	3.20	15.30	12.10	9.02	8.94	7.28
	Middle quintile	1.23	27.54	15.55	2.85	15.32	14.09	7.92	7.71	9.02
	Fourth quintile	1.46	23.71	16.55	2.95	15.23	15.87	7.20	7.96	10.52
	Highest quintile	2.46	20.50	17.51	2.80	13.40	18.22	7.21	7.44	12.92
Total		1.32	28.00	14.80	2.97	14.28	13.77	8.64	8.39	9.14



# Federal Republic of Somalia

## SOMALIA NATIONAL BUREAU OF STATISTICS (SNBS)

### FOOD SECURITY PROFILE, 2024

#### ► Share of calories by source

		Share of calories from purchases	Share of calories from own produce	Share of calories from Gifts	Expenditure share from purchase	Expenditure share from Own produce	Expenditure share from gifts
Place of residence	Rural	95.4	2.5	2.1	93.2	4.5	2.4
	Urban	96.7	0.4	2.9	97.0	0.5	2.4
	Nomadic	92.4	3.5	4.1	82.5	11.9	5.6
Region	Awdal	98.4	1.3	0.4	96.5	2.6	0.9
	Bakool	98.7	0.8	0.5	97.8	1.2	1.0
	Banadir	98.4	0.2	1.4	98.2	0.3	1.5
	Bari	96.7	1.8	1.5	92.6	5.5	1.9
	Bay	97.6	1.1	1.3	97.5	1.2	1.2
	Galgaduud	94.6	1.0	4.4	90.6	3.8	5.6
	Gedo	93.5	1.4	5.2	92.6	3.3	4.1
	Hiraan	94.5	2.1	3.4	93.6	3.8	2.5
	Lower Juba	98.9	0.2	0.9	97.9	0.8	1.3
	Lower Shabelle	95.5	2.1	2.4	93.9	3.4	2.7
	Waqooyi Galbeed	93.1	0.7	6.2	93.6	2.0	4.4
	Middle Shabelle	88.8	7.0	4.2	84.2	9.2	6.6
	Mudug	98.9	0.5	0.5	97.1	2.3	0.6
	Nugaal	86.0	0.5	13.5	88.3	1.6	10.1
	Sanaag	96.1	1.2	2.7	91.4	5.8	2.8
	Sool	96.5	0.8	2.7	93.0	3.1	3.9
	Togdheer	98.6	0.8	0.7	96.9	2.3	0.8
	<b>Total</b>	<b>95.9</b>	<b>1.3</b>	<b>2.8</b>	<b>94.5</b>	<b>2.8</b>	<b>2.8</b>

#### ► Cost of calorie by food expenditure

		Cost per 1000 Calories (US\$)	Share of food expenditure to total expenditure
Place of residence	Rural	0.58	0.57
	Urban	0.65	0.53
	Nomadic	0.54	0.60
Region	Awdal	0.56	0.49
	Bakool	0.59	0.73
	Banadir	0.57	0.52
	Bari	1.07	0.55
	Bay	0.54	0.63
	Galgaduud	0.54	0.53
	Gedo	0.57	0.56
	Hiraan	0.60	0.60
	Lower Juba	0.49	0.57
	Lower Shabelle	0.63	0.56
	Waqooyi Galbeed	0.62	0.45
	Middle Shabelle	0.48	0.69
	Mudug	0.51	0.56
	Nugaal	0.84	0.56
	Sanaag	0.65	0.47
	Sool	0.59	0.54
	Togdheer	0.73	0.54
Income Quintile	Lowest quintile	0.46	0.63
	Second quintile	0.52	0.59
	Middle quintile	0.66	0.55
	Fourth quintile	0.67	0.50
	Highest quintile	0.78	0.48
<b>Total</b>		<b>0.62</b>	<b>0.55</b>

#### ► Most consumed food

No	Item	Percent Consuming in Rural	Percent Consuming in Urban	Percent Consuming among Nomadic
1	Rice - White [Local]	61.6	55.4	66.4
2	Rice - White Hamsa [Imported]	34.2	47.4	28.3
3	Wheat flour - white	84.8	78.1	88.1
4	Maize grain	26.4	22.2	17.4
5	Maize flour	14.7	21.6	13.4
6	Beans, Dried (local red beans)	29.4	37.3	22.1
7	White bread	13.5	28.5	1.9
8	Spaghetti	89.1	90.8	63.0
9	Macaroni	54.1	62.1	17.6
10	Goat Meat - Fresh	50.7	44.8	33.0
11	Camel meat - fresh	21.3	50.7	1.9
12	Camel Milk - Fresh	23.4	24.2	28.6
13	Milk - Powdered	59.5	72.8	36.9
14	Cooking oil	99.2	98.8	98.7
15	Bananas	40.4	73.0	2.0
16	Lemon	8.5	25.2	2.8
17	Lime	56.5	52.0	17.8
18	Lettuce	11.3	23.3	0.6
19	Spinach	14.8	26.1	0.1
20	Green pepper	33.8	46.3	19.5
21	Cucumbers	19.4	21.4	0.5
22	Tomato	69.3	77.7	48.6
23	Tomato Paste (canned)	28.4	23.0	26.5
24	Carrots	12.7	20.1	1.8
25	Garlic	69.2	68.1	32.7
26	Onion	91.7	88.5	79.5
27	White Potatoes	83.4	86.8	64.4
28	Sugar - white	99.2	98.8	98.4
29	Coffee Milled - local [Qaxwo]	17.8	20.7	5.1
30	Black tea (in bulk)	76.6	74.6	87.9
31	Foster Powder	20.1	20.4	11.2

