

Table A10.1. Household dietary diversity

Food groups consumed by household by PVO [Uganda, 2013]

	Total	Northern Karamoja	Southern Karamoja
Cereals	75.8	71.9	80.8
Root and tubers	25.4	24.3	26.8
Vegetables	32.9	28.6	38.3
Fruits	9.5	9.4	9.6
Meat, poultry, organ meat	11.8	9.5	14.8
Eggs	3.9	2.6	5.5
Fish and seafood	8.4	7.6	9.4
Pulses/legumes/nuts	34.0	33.4	34.9
Milk and milk products	12.2	7.6	17.9
Oil/fats	11.2	11.0	11.4
Sugar/honey	7.0	5.7	8.6
Miscellaneous (tea, coffee, condiments, etc.)	8.1	4.8	12.3
Number of households	4,133	2,078	2,055

Note: Only includes households that reported that yesterday was not an unusual or special day.

Table A10.2. Household sanitation and drinking water

Sanitation facility, source drinking water and treatment for drinking water by PVO [Uganda, 2013]

	Total	Northern Karamoja	Southern Karamoja
<b>Improved, not shared sanitation facility</b>			
Flush to piped sewer system	0.0	0.0	0.0
Flush to septic tank	0.1	0.0	0.1
Flush to pit latrine	0.0	0.0	0.0
Ventilated improved latrine	4.5	5.9	2.6
Pit latrine with slab	4.2	6.7	1.0
Ecosan latrine	0.1	0.1	0.2
<b>Improved, shared sanitation facility</b>			
Flush to piped sewer system	0.0	0.0	0.0
Flush to septic tank	0.2	0.3	0.0
Flush to pit latrine	0.1	0.0	0.3
Ventilated improved latrine	2.6	2.9	2.2
Pit latrine with slab	3.7	4.9	2.1
Ecosan latrine	0.1	0.1	0.1
<b>Non-improved sanitation facility</b>			
Flush to somewhere else	0.0	0.0	0.1
Flush, don't know where	0.0	0.1	0.0
Pit latrine without slab/Open pit	11.8	19.0	2.5
Bucket toilet	0.0	0.0	0.0
Hanging toilet/hanging latrine	0.3	0.5	0.1
Designated area not already listed	0.8	1.4	0.0
Dig and bury	1.8	2.6	0.7
No facility	69.4	55.1	87.9
Other	0.3	0.4	0.1
<b>Improved source of drinking water</b>			
Piped water into dwelling	0.5	0.6	0.4
Piped water into yard/plot	0.2	0.3	0.2
Public tap/Standpipe	2.4	2.0	3.0
Tube well or borehole	85.5	87.8	82.4
Protected well	1.2	1.7	0.5
Protected spring	0.4	0.6	0.2
Rainwater	0.1	0.1	0.2
<b>Non-improved source of drinking water</b>			
Surface water (river/dam/ lake/ponds /stream/canal/irrigation channel)	3.7	2.4	5.4
Unprotected spring	2.0	2.1	1.9
Unprotected well	2.5	0.6	5.0
Tanker truck	0.0	0.0	0.0
Cart with small tank	0.5	0.5	0.4
Rock catchments	0.9	1.3	0.3
Bottled water	0.0	0.0	0.0
Other	0.0	0.0	0.0
DK/NR/Missing	0.1	0.0	0.1
<b>Water treatment prior to drinking</b>			
Boil	7.0	6.3	7.9
Bleach/chlorine added	1.6	2.1	0.9
Strain through a cloth	1.1	0.8	1.4
Water filter (ceramic, sand, composite, etc.)	0.9	1.1	0.7
Solar disinfection	0.1	0.0	0.2
Let it stand and settle	15.3	15.9	14.5
Moringa olifera seeds	0.3	0.5	0.1
Other	0.2	0.3	0.1
No treatment	77.2	76.3	78.3
DK/NR/Missing	0.2	0.2	0.1
Number of households	4,766	2,399	2,367

Note: Sanitation includes daytime sanitation facility.

Table A10.3. Crops Planted

Percentage of farmers planting crops by PVO [Uganda, 2013]

	Total	Northern Karamoja	Southern Karamoja
Sorghum	8.3	8.6	7.8
Red Sorghum	65.0	61.4	69.5
White Sorghum	24.5	25.6	23.2
Maize	44.4	39.3	50.8
Rice	0.3	0.3	0.2
Beans	26.5	29.2	23.1
Cowpeas	9.7	10.5	8.7
Pigeon Peas	1.7	3.1	0.1
Green orums/muno beans	10.0	3.3	18.5
Sim sim	10.5	14.0	6.1
Millet	12.8	22.0	1.1
Sunflower	15.1	8.2	23.8
Groundnuts	16.9	20.9	11.2
Other crops	9.8	13.1	5.7
Number of farmers	5,770	2,717	3,053

Notes: Multiple responses allowed so totals may be greater than 100 percent.

Table A10.4. Value chain activities

Percentage of farmers by value chain activities by PVO [Uganda, 2013]

	Total	Northern Karamoja	Southern Karamoja
Purchase inputs	45.7	44.4	47.4
Tillage of land	49.1	56.3	40.0
Bulk transporting of inputs, produce, or animals	5.0	3.8	6.5
Sorting produce	36.1	38.0	33.6
Grading produce	10.6	12.8	7.9
Drying or processing produce	24.4	23.4	25.6
Trading or marketing (wholesale, retail, or export)	0.9	0.9	0.8
Other activities	4.6	4.6	4.6
No activities	16.3	15.1	17.9
Number of farmers	5,784	2,721	3,063

Notes: Multiple responses allowed so totals may be greater than 100 percent.

Table A10.5. Sustainable agricultural practices  
Percentage of farmers by sustainable agricultural practice by PVO [Uganda, 2013]

	Total	Northern Karamoja	Southern Karamoja
<b>Crops</b>			
Soil preparation by hand	82.9	81.5	84.7
Soil preparation with ox plow	22.7	22.4	23.1
Soil preparation with tractor	5.2	4.7	5.8
Broadcasting seed	61.7	60.0	64.0
Planting seeds in rows	16.1	16.8	15.2
Crop rotation	9.9	14.6	4.0
Applying fertilizer	1.8	2.7	0.7
Intercropping	20.1	22.1	17.5
Other crop-related activities	1.4	1.8	0.9
No crop-related activities	0.3	0.5	0.0
Did not raise any of the target crops	10.5	11.0	10.0
<b>Livestock</b>			
Animal shelters	12.4	10.8	14.4
Kraals	12.0	10.6	13.6
Vaccinations	10.5	8.5	12.9
Deworming	9.6	7.4	12.4
Homemade animal feeds made of locally available products	2.6	2.8	2.4
Use the services of community animal health workers	2.3	1.6	3.2
Purchased drugs/medicines to give to animals	2.9	1.5	4.6
No livestock-related activities	1.5	2.4	0.2
Did not raise any goats or cattle	76.6	76.3	77.0
<b>Natural Resource Management</b>			
Management of watershed or reforestation	9.9	10.7	8.9
Agro-forestry or cultivation of fruit trees	7.0	7.1	6.9
Management of forest plantation	5.9	5.3	6.7
Management of natural regeneration	5.4	3.6	7.7
Collecting products from forest plants (such as gum arabic)	3.4	3.0	3.8
Soil conservation on hillsides	3.7	4.1	3.2
Construction of water catchments	3.0	3.5	2.4
No NRM-related activities	74.9	74.2	75.9
Number of farmers	5,834	2,754	3,080

Notes: Multiple responses allowed so totals may be greater than 100 percent.

Table A10.6. Storage practices

Percentage of farmers by storage practice by PVO [Uganda, 2013]

	Total	Northern Karamoja	Southern Karamoja
<b>Sorghum</b>			
Cereal bank	1.8	2.0	1.5
Granary	46.6	45.1	48.6
Other method	5.9	5.7	6.2
Did not store sorghum	45.7	47.3	43.7
Number of farmers who cultivated or stored sorghum	4,677	2,370	2,307
<b>Maize</b>			
Silo	1.6	2.5	0.6
Granary	32.8	26.2	39.4
Other method	7.6	8.5	6.7
Did not store maize	58.0	62.8	53.3
Number of farmers who cultivated or stored maize	3,122	1,402	1,720
<b>Legumes</b>			
Silo	3.6	5.9	1.3
Granary	41.3	41.6	41.0
Other method	17.9	20.9	15.0
Did not store legumes	37.0	31.3	42.6
Number of farmers who cultivated or stored legumes	1,831	667	1,164
<b>Rice</b>			
Silo	6.5	-	-
Granary	27.4	-	-
Other method	25.2	-	-
Did not store rice	40.9	-	-
Number of farmers who cultivated or stored rice	34	19	15

Note: Denominator for each crop is those farmers who cultivated or stored that crop within the last 12 months.

Insufficient sample size for rice storage by PVO (N &lt; 30).

Table A10.7. Women's dietary diversity

Food groups consumed by women 15-49 by PVO [Uganda, 2013]

	Total	Northern Karamoja	Southern Karamoja
Grains, roots and tubers	89.7	88.5	91.2
Legumes and nuts	26.9	25.6	28.8
Dairy products (milk, yogurt, cheese)	8.2	4.1	13.9
Organ meat	4.9	4.0	6.1
Eggs	3.1	1.4	5.5
Flesh foods and other misc. small animal protein	14.2	10.3	19.7
Vitamin A dark green leafy vegetables	52.1	44.1	63.3
Other Vitamin A rich vegetables and fruits	21.4	20.4	22.8
Other fruits and vegetables	13.6	14.5	12.5
Number of women	4,452	2,246	2,206

**Table A10.8. Women's nutritional status**

Women below 145 cm, mean BMI and BMI levels by PVO [Uganda, 2013]

	Total	Northern Karamoja	Southern Karamoja
Percent less than 145 cm	1.6	0.7	2.8
Mean Body Mass Index (BMI)	20.3	20.4	20.2
<b>Normal</b>			
18.5-24.9 (total normal)	71.5	73.9	68.3
<b>Underweight</b>			
<18.5 (total underweight)	23.4	20.9	26.8
17.0-18.4 (mildly underweight)	16.3	14.7	18.4
<17 (moderately and severely underweight)	7.2	6.2	8.4
<b>Overweight/obese</b>			
≥25 (total overweight or obese)	5.1	5.2	4.9
25.0-29.9 (overweight)	4.0	4.1	3.7
≥30.0 (obese)	1.1	1.1	1.2
Number of women	3,554	1,776	1,778

Note: Does not include pregnant or post-partum women



Table A10.9. Stunting by age

Prevalence of stunted and underweight children by age by PVO [Uganda, 2013]

	Total	Northern Karamoja	Southern Karamoja
<b>Prevalence of stunted children</b>			
<6	27.2	29.4	24.1
6-8	22.4	25.1	18.6
9-11	32.9	31.6	35.1
12-17	32.3	33.1	31.3
18-23	43.5	37.7	52.9
24-35	43.1	40.9	46.2
36-47	31.5	30.3	33.2
48-59	32.5	22.5	46.1
Number of children	5,335	2,747	2,588
<b>Prevalence of underweight children</b>			
<6	19.0	21.8	15.2
6-8	20.0	25.6	12.2
9-11	21.8	19.9	24.9
12-17	26.4	26.4	26.4
18-23	27.2	27.7	26.5
24-35	24.5	24.9	24.1
36-47	17.4	16.3	19.1
48-59	15.5	15.6	15.2
Number of children	5,335	2,747	2,588

**Table A10.10. Components of minimum acceptable diet**  
**Components of MAD indicator for children 6-23 months by PVO [Uganda, 2013]**

	Total	Northern Karamoja	Southern Karamoja
<b>Breastfed children 6-8 months</b>			
Percent with minimum meal frequency (2 or more)	39.3	32.0	48.5
Percent with minimum dietary diversity (4 or more)	6.0	3.7	8.7
Grains, roots, and tubers	56.4	59.5	52.5
Legumes and nuts	7.2	5.4	9.4
Dairy products (milk, yogurt, cheese)	28.5	20.6	38.4
Flesh foods (meat, fish, poultry, and liver/organ meats)	3.7	2.0	5.8
Eggs	4.1	1.1	7.9
Vitamin A-rich fruits and vegetables	25.5	17.8	35.0
Other fruits and vegetables	6.3	4.5	8.6
Number of children	323	153	170
<b>Breastfed children 9-23 months</b>			
Percent with minimum meal frequency (3 or more)	22.4	22.1	22.9
Percent with minimum dietary diversity (4 or more)	8.3	5.6	11.9
Grains, roots, and tubers	70.8	73.2	67.7
Legumes and nuts	16.1	15.8	16.5
Dairy products (milk, yogurt, cheese)	33.2	24.6	44.2
Flesh foods (meat, fish, poultry, and liver/organ meats)	7.3	4.8	10.4
Eggs	3.8	1.4	6.8
Vitamin A-rich fruits and vegetables	40.7	35.9	46.9
Other fruits and vegetables	7.2	7.5	7.0
Number of children	1,115	555	560
<b>Non-breastfed children 6-23 months</b>			
Percent with minimum meal frequency (4 or more+2 milk)	3.4	2.4	5.0
Percent with minimum dietary diversity (4 or more)	5.5	2.0	11.3
Grains, roots, and tubers	74.1	71.4	78.7
Legumes and nuts	19.1	18.5	20.2
Dairy products (milk, yogurt, cheese)	31.0	23.0	44.9
Flesh foods (meat, fish, poultry, and liver/organ meats)	6.9	4.9	10.4
Eggs	4.2	2.2	7.5
Vitamin A-rich fruits and vegetables	38.0	31.5	49.3
Other fruits and vegetables	7.0	4.3	11.7
Number of children	191	97	94

Table A10.11. Breastfeeding status

Breastfeeding status for children 0-23 months by age by PVO [Uganda, 2013]

	Total	Northern Karamoja	Southern Karamoja
<b>Not breastfeeding</b>			
<2	1.4	1.1	2.0
2-3	1.6	0.7	2.8
4-5	7.5	11.3	3.3
6-8	2.1	1.8	2.5
9-11	6.1	7.8	3.3
12-17	7.9	9.7	5.8
18-23	21.8	23.3	19.5
<b>Exclusively breastfed</b>			
<2	83.7	84.7	81.7
2-3	69.4	69.2	69.6
4-5	38.6	35.3	42.2
6-8	18.7	21.9	14.4
9-11	7.9	4.7	13.2
12-17	9.8	7.6	12.3
18-23	4.9	4.7	5.2
<b>Breastfed and plain water only</b>			
<2	1.9	0.6	4.6
2-3	7.1	6.1	8.6
4-5	14.1	14.4	13.9
6-8	8.7	8.8	8.5
9-11	7.9	8.3	7.3
12-17	3.7	3.9	3.6
18-23	4.1	5.0	2.8
<b>Breastfed and non-milk liquids</b>			
<2	1.5	1.7	1.2
2-3	6.3	7.6	4.7
4-5	13.1	19.0	6.6
6-8	12.1	13.1	10.6
9-11	6.4	4.9	8.8
12-17	7.0	8.2	5.7
18-23	5.7	7.4	3.1
<b>Breastfed and other milk</b>			
<2	4.8	3.0	8.3
2-3	5.1	2.9	8.0
4-5	11.9	8.1	16.2
6-8	7.5	4.8	11.1
9-11	9.4	10.7	7.2
12-17	7.1	5.0	9.4
18-23	2.5	0.8	4.8
<b>Breastfed and complementary foods</b>			
<2	6.7	9.0	2.2
2-3	10.5	13.6	6.4
4-5	14.8	12.1	17.8
6-8	50.9	49.5	52.8
9-11	62.3	63.6	60.2
12-17	64.5	65.5	63.3
18-23	61.1	58.7	64.5
Number of children	2,265	1,153	1,112