





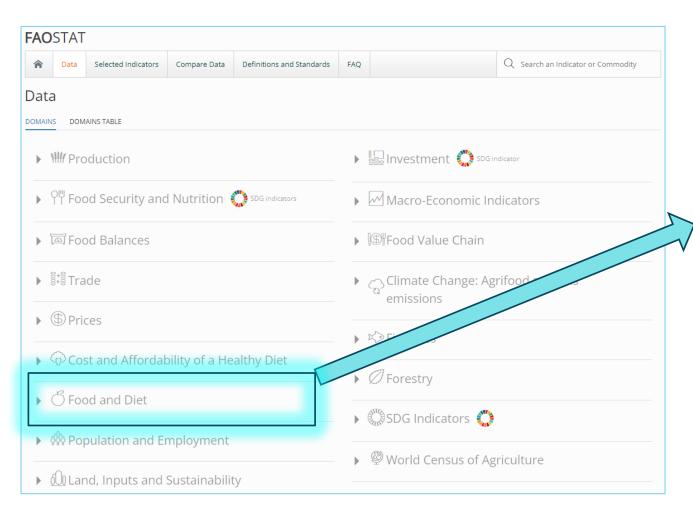


LAUNCH EVENT: NEW FAOSTAT DOMAIN ON FOOD AND DIET

Thursday, 1 February 2024 16:00 – 17:00 (Rome time)

Virtual event

THE FOOD AND DIET DOMAIN — AN INTEGRATED DOMAIN ON FAOSTAT TO DISSEMINATE STATISTICS ON ALL FORMS OF DIETARY DATA



... with four types of data



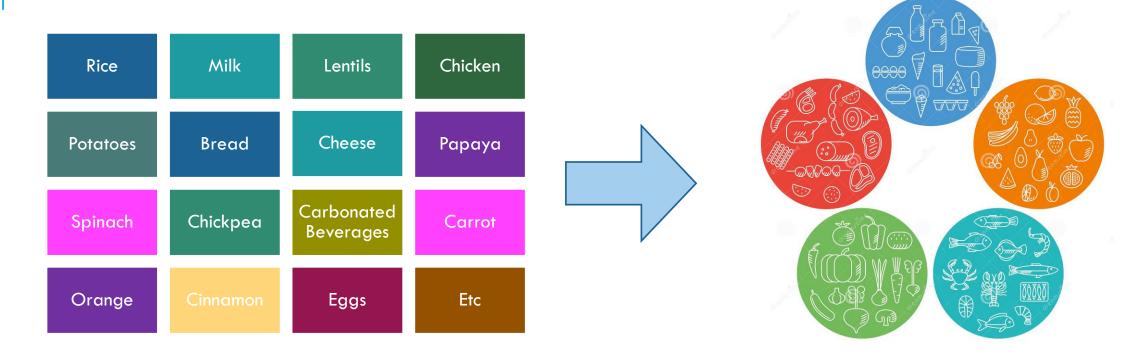
THE FOOD AND DIET DOMAIN CONTAINS ...

Statistics on foods, energy, macro- and micronutrients:

- ✓ Harmonized, where possible
- ✓ In English, French and Spanish
- Downloadable statistics
- Visualizations
- Metadata
- ✓ Full documentation

Common and unique features

HARMONIZATION OF FOOD GROUPING



For three data types, statistics for foods are displayed using a common **nutrition-sensitive food group classification**, gathering items into 20 groups

HARMONIZATION OF FOOD MATCHING



Food matching between the food list and food composition data



Selection of food composition tables (FCTs) based on quality

For two data types (SUA and HCES), foods were matched to food composition values using a harmonized approach – following the same guidelines and using only high-quality food composition tables (FCTs)

HARMONIZATION OF NUTRIENT LIST

- 1. Energy [kcal]
- 2. Protein [g]
- 3. Fat [g]
- 4. Carbohydrate, available [g]
- 5. Dietary fibre [g]
- 6. Calcium [mg]
- 7. Iron [mg]
- 8. Magnesium [mg]
- 9. Phosphorus [mg]
- 10. Potassium [mg]
- 11. Zinc [mg]
- 12. Vitamin A [mcg RE]
- 13. Vitamin A [mcg RAE]
- 14. Thiamin [mg]
- 15. Riboflavin [mg]
- 16. Vitamin C [mg]

- 1. Total saturated fatty acids [g]
- 2. Total monounsaturated fatty acids [g]
- 3. Total polyunsaturated fatty acids [g]
- 4. Docosahexaenoic acid n3 (DHA) [g]
- 5. Eicosapentaenoic acid n-3 (EPA) [g]
- 6. Copper [mg]
- 7. Selenium [mcg]
- 8. Vitamin B6 [mg]
- 9. Vitamin B12 [mcg]
- 10. Carbohydrate, total [g]

- Available for SUA, HCES and individual-level quantitative dietary data
- Additional for SUA aquatic items
- Additional for HCES, individual quantitative dietary data and SUA aquatic items
- Available for individual level quantitative dietary data





FOOD AND NUTRIENT AVAILABILITY
SUPPLY UTILIZATION ACCOUNTS (SUA)

FAO SUPPLY UTILIZATION ACCOUNTS (SUA)

The SUA provides a picture of the **food availability** in a given country in a given calendar year for **530 food items**

The uses of SUA include building the food balance sheets (FBS), and consequently, the global monitoring of the prevalence of undernourishment

Data was previously available only for energy, protein and fat

- Energy and 14 nutrients
- 9 additional nutrients for aquatic items
- Statistics for 186 countries
- Between 2010 and 2021
- Presented for 20 food groups
- Full documentation

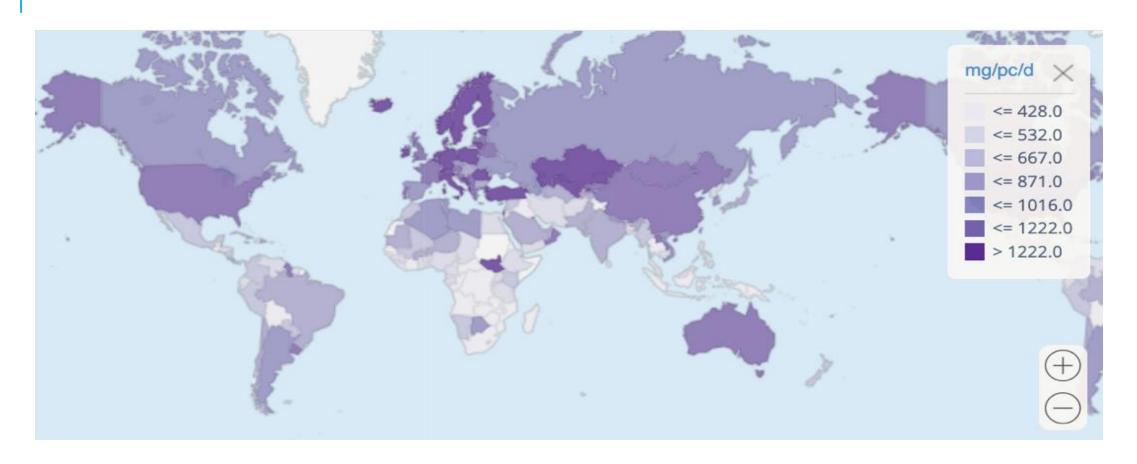


GLOBAL NUTRIENT
CONVERSION TABLE
FOR FAO SUPPLY
UTILIZATION ACCOUNTS



23110 39120.01 23710 23140.01 F0020	wheat and meslin flo bran of wheat uncooked pasta, no germ of wheat bread	1				-			1				2.0 3.2 1.5 7.8 1.7	
23140.02	bulgur	1.00	A2	344	9.5	11.3	1.6	65.9	10.4	0	1.3	32	2.7	
F0022	pastry	1.00	A2	392	18.3	6.5	14.8	57.5	1.6	0	1.4	59	1.4	
23220.01	starch of wheat	1.00	Α	349	13.1	0.2	0.5	86.0	0.0	0	0.2	14	0.6	
23220.02	wheat gluten	1.00	A2	209	50.1	40.1	2.7	6.0	0.5	0	0.7	62	3.3	
24230.01	wheat-fermented beverages	1.00	C2	39	92.8	0.4	0.0	3.1	0.0	3.6	0.1	4	0.0	
0113	rice	0.77	A2	348	12.2	7.7	2.0	72.9	4.0	0	1.2	22	1.6	
23162	husked rice	1.00	A2	351	12.3	7.9	2.5	72.4	3.8	0	1.2	16	1.4	
23161.01	rice, milled (husked)	1.00	A2	349	12.5	7.1	0.9	77.4	1.6	0	0.6	19	0.9	
23161.02	rice, milled	1.00	A2	349	12.5	7.1	0.9	77.4	1.6	0	0.6	19	0.9	
23161.03	rice, broken	1.00	A2	348	12.8	7.0	0.9	77.3	1.4	0	0.5	11	0.9	
23220.03	starch of rice	1.00	В	355	11.1	0.4	0.2	87.5	0.6	0	0.3	7	0.5	
39120.02	bran of rice	1.00	Α	393	7.5	13.4	20.4	28.5	20.8	0	9.3	50	14.9	
21691.01	oil of rice bran	1.00	Α	900	0.0	0.0	100.0	0.0	0.0	0	0	0	0.0	
23120.01	flour of rice	1.00	A2	352	12.2	6.2	1.3	77.8	1.9	0	0.6	9	0.8	
24230.02	rice-fermented beverages	1.00	A2	110	82.4	0.4	0.0	4.2	0.0	13.0	0	3	0.0	
23140.03	breakfast cereals	1.00	A2	368	5.0	9.7	2.5	71.9	9.4	0	1.6	30	2.8	
0115	barley	0.86	Α	329	10.7	10.9	1.9	59.4	15.4	0	1.7	33	5.1	
23140.04	pot barley	1.00	Α	329	10.7	10.9	1.9	59.4	15.4	0	1.7	33	5.1	
23140.05	barley, pearled	1.00	Α	330	10.3	8.9	1.4	62.7	15.6	0	1.1	25	2.8	
39120.03	bran of barley	1.00	С	281	9.3	15.6	4.7	23.2	41.7	0	5.5	73	13.2	
23120.02	barley flour and grits	1.00	Α	336	13.1	9.9	2.3	64.6	8.9	0	1.4	28	3.6	
24320	malt, whether or not roasted	1.00	В	357	8.2	10.3	1.8	71.2	7.1	0	1.4	37	4.7	
23999.01	malt extract	1.00	В	310	21.1	6.2	0.0	71.4	0.0	0	1.3	61	1.0	
24310.01	beer of barley, malted	1.00	A2	44	92.1	0.4	0.0	3.2	0.0	4.2	0.1	5	0.0	

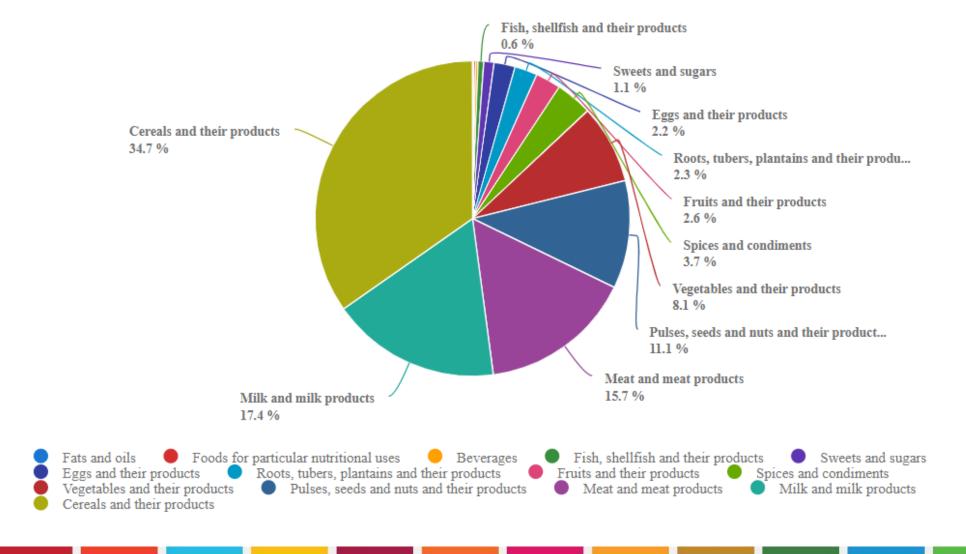
AVAILABILITY OF CALCIUM, BY COUNTRY (2021)



Source: FAO. 2024. Food and diet. In: FAOSTAT. Rome. Cited 1 February 2024. https://www.fao.org/faostat/en/#data/SUA (modified to comply with the UN Geospatial Information Section, 2024).

Note: The boundaries and names shown and the designations used on this/these map(s) do not imply the expression of any opinion whatsoever on the part of FAO concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers and boundaries. Dashed lines on maps represent approximate border lines for which there may not yet be full agreement.

AVAILABILITY OF ZINC, BY FOOD GROUP (TÜRKIYE, 2021)







FOOD AND NUTRIENT APPARENT INTAKE

HOUSEHOLD CONSUMPTION AND EXPENDITURE SURVEYS

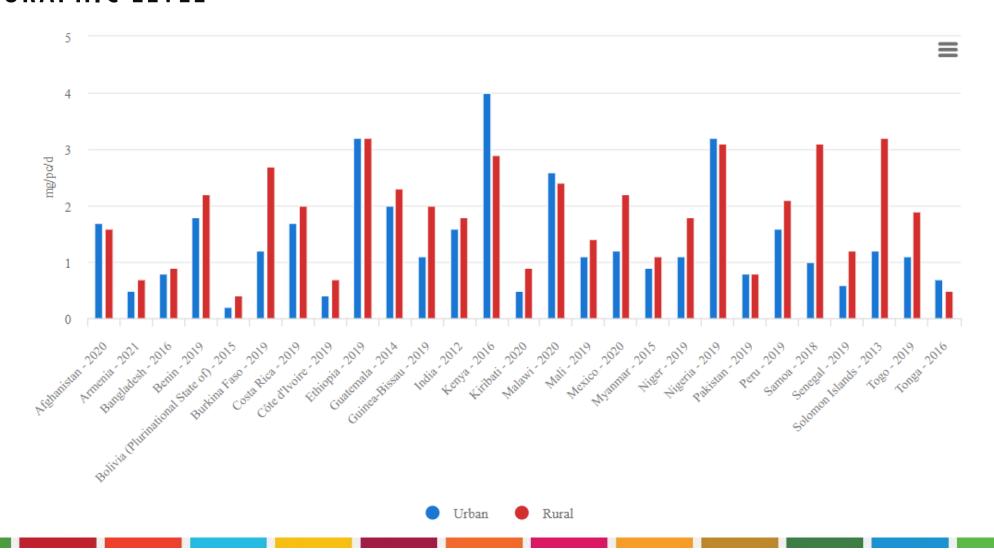
APPARENT INTAKE — HOUSEHOLD CONSUMPTION AND EXPENDITURE SURVEYS

Latin America Oceania (7 Countries) (4 Countries) Asia Africa (6 Countries) (13 Countries)

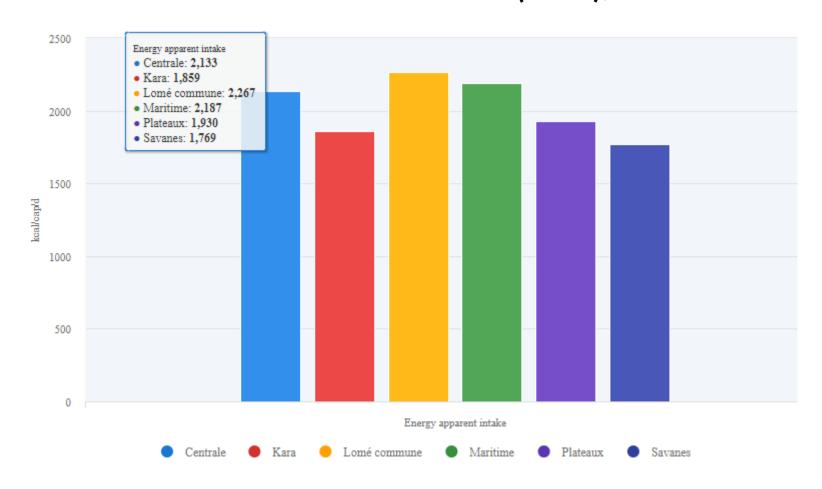
Statistics were computed from Household Consumption and Expenditure Survey (HCES) data. HCES is an umbrella term for household-level surveys developed to inform economic policy, and collect information on food quantities consumed and/or acquired during a reference period

- Statistics for 38 HCES from 30 countries
- Between 2010 and 2021
- Energy and 16 selected nutrients
- Presented for 20 food groups
- Statistics by geographic and income levels
- Full documentation available

HCES — APPARENT INTAKE OF IRON FROM PULSES, SEEDS AND NUTS, BY SURVEY AND GEOGRAPHIC LEVEL



HCES — APPARENT INTAKE OF ENERGY FOR TOGO (2019), BY DISTRICT







FOOD AND NUTRIENT INTAKE
INDIVIDUAL QUANTITATIVE DIETARY DATA

INTAKE - INDIVIDUAL QUANTITATIVE DIETARY DATA

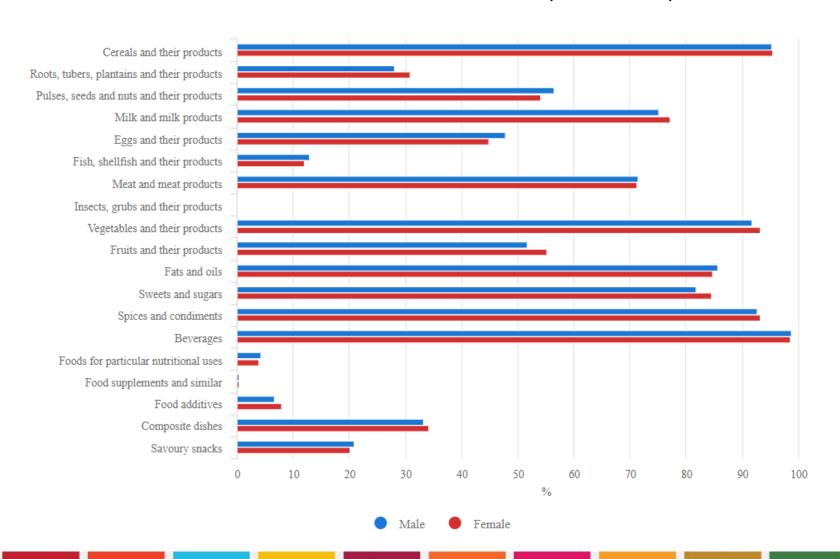
Individual quantitative dietary data tells us what and how much people eat and drink. It is very detailed and allows us to understand dietary intakes by age, sex and population groups.

Statistics from datasets:

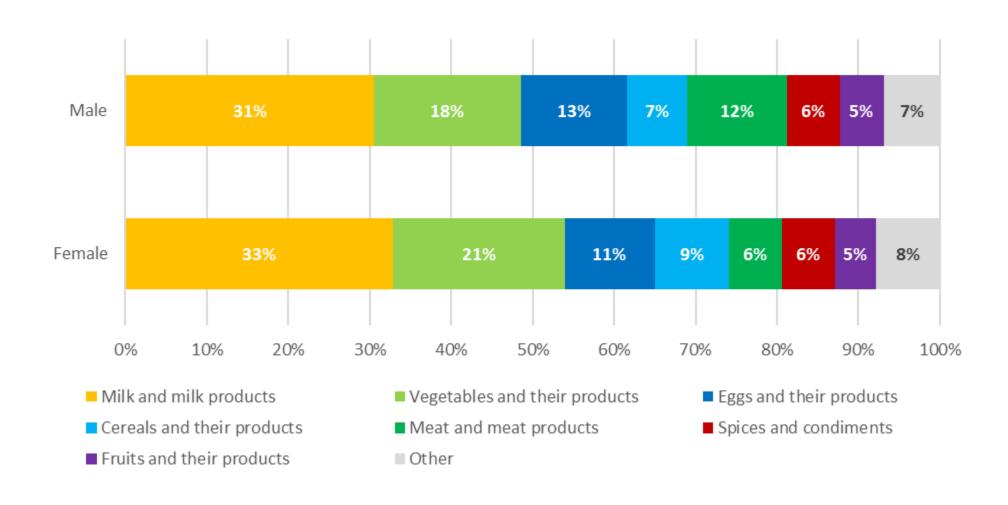
- √ Nationally representative (with sampling weights)
- ✓ From five surveys (Equatorial Guinea 2004, Tunisia 1996-1997, Brazil 2008-2009, Brazil 2014, Mexico 2012)
- ✓ Results by age, sex and geographic area



INTAKE — PERCENTAGE OF CONSUMERS BY SEX, MEXICO, 2012



INTAKE — PERCENTAGE CONTRIBUTION OF FOOD GROUPS TO VITAMIN A INTAKE (MEXICO, 2012)







DIETARY DIVERSITY

MINIMUM DIETARY DIVERSITY FOR WOMEN (MDD-W)

DIVERSITY (MDD-W INDIVIDUAL QUALITATIVE DIETARY SURVEYS)



Minimum Dietary Diversity for Women (MDD-W) is a qualitative indicator that measures the diversity of the diet



For non pregnant women aged 15 to 49



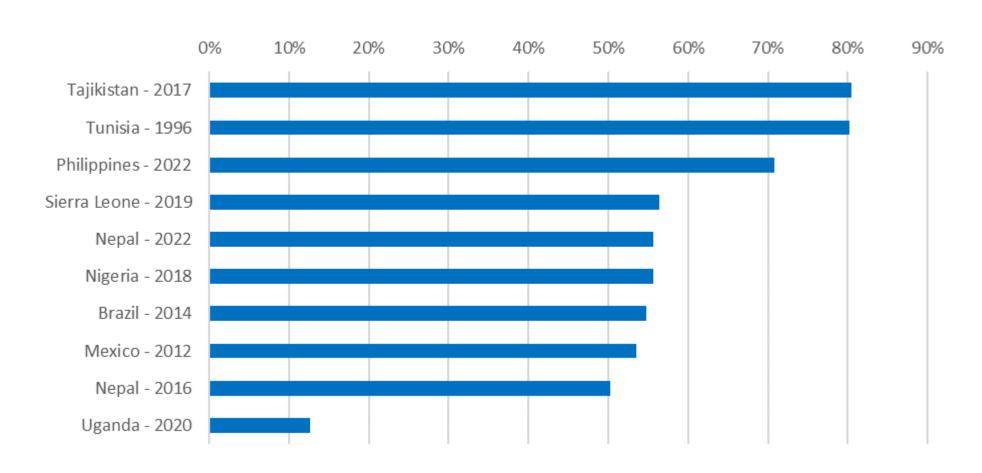
Consuming foods from at least 5 out of 10 defined food groups is a proxy for better micronutrient intake

- Statistics from 10 surveys from 9 countries
- Conducted between 1996 and 2022
- From multiple data sources

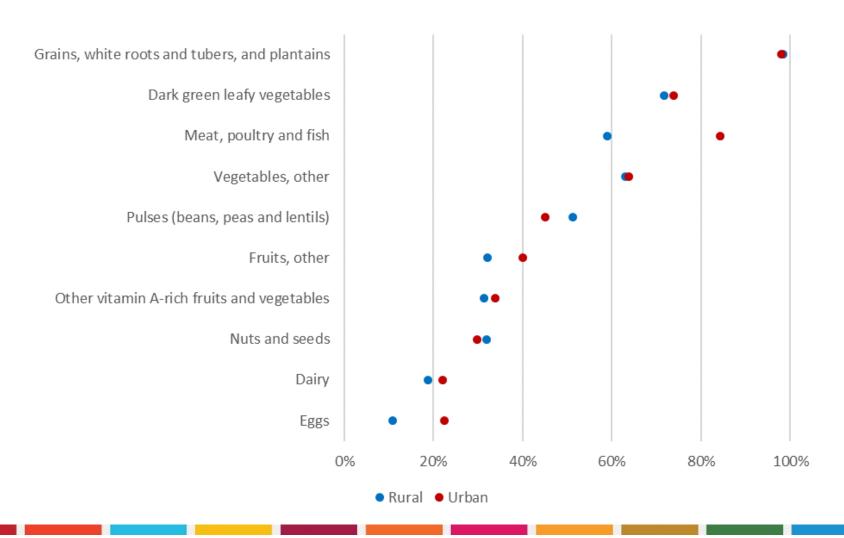
MDD-W 10 Food Groups

1.	Grains, white roots and tubers, and plantains	6.	Eggs
2.	Pulses (beans, peas and lentils)	7.	Dark green leafy vegetables
3.	Nuts and seeds	8.	Other vitamin A-rich fruits and vegetables
4.	Milk and milk products	9.	Other vegetables
5.	Meat, poultry and fish	10.	Other fruits

DIVERSITY — PERCENTAGE OF WOMEN ACHIEVING MDD-W, BY SURVEY



DIVERSITY — PERCENTAGE OF WOMEN CONSUMING EACH OF THE TEN MDD-W FOOD GROUPS (NIGERIA, 2018)



ADDITIONAL KNOWLEDGE PRODUCTS

- Analytical brief
- Global nutrient conversion table for SUA
- Survey specific nutrient conversion tables for HCES
- Food group documentation
- Technical notes



GLOBAL NUTRIENT CONVERSION TABLE FOR FAO SUPPLY UTILIZATION ACCOUNTS









FAOSTAT ANALYTICAL BRIEF

Food and diet

Statistics on dietary data



Adapted FAO/WHO Global Individual Food consumption data Tool (FAO/WHO GIFT) food group classification used on FAOSTAT food and diet domain

Food group code	Food group	Food group – short name	Subgroup code	NUTRITION subgroup	NUTRITION subgroup – short name	Food group description			
1	Cereals and their products	Cereals	101	Rice and rice-based products	Rice	Rice, including secondary commodities and deriver products such as semolina, flour, bran, popped rice rolled grains and porridge, and manufactured rice- based products such as processed rice-based flakes, noodles, bread and imitation milk; excluding manufactured rice-based snacks such as chips.			
			Maize and maize-based products such a maize germ and community of the products such a maize pare may community or the processed processed maize-based products such a chips. Wheat and wheat-based products such a processed products such as processed products products such as processed products products such as processed products			Maize, including secondary commodities and derived products such as semolina, milled grain, maize germ and cornmeal porridge, and manufactured maize-based products such as processed maize-based flakes, maize starch and popcom; excluding manufactured maize-based snacks such as chips.			
						Wheat, including secondary commodities and derived products such as groats, semolina, flour, bran, wheat grain germ, rolled and popped grains and porridge, and manufactured wheat-based products such as processed wheat-based flakes, purfed grains, pastas, breads and dough-based foods; excluding manufactured wheat-based snacks such as chips.			
			104	Sorghum and sorghum- based products	Sorghum	Sorghum, including secondary commodities and derived products such as flour, and manufactured sorghum-based products; excluding manufactured sorghum-based snacks such as chips.			

ACKNOWLEDGEMENTS

Project team: Ana Moltedo; Aydan Selek; Fernanda Grande; Juan Pablo Parraguez; Pauline Allemand; Adrienne Egger; Salar Tayyib; Carlo Cafiero; Bridget Holmes

With:

- Amanda Gordon & Mario Triani (FAOSTAT)
- Filippo Gheri, Adeeba Ishaq, Nathalie Troubat, Cristina Alvarez (HCES data)
- Rachele Brivio, Luigi Castaldi & Dominique Habimana (SUA data)
- Yurika Ueda, Sitilitha Masangwi, Emiliana Mbelenga, David Haytowitz, Doris Rittenschober (food composition)
- Victoria Padula de Quadros, Agnieszka Balcerzak, Rita Ferreira de Sousa (Individual level data, Intake)
- Louise Ander, Lucia Segovia de la Revilla, Tom Codd (University of Nottingham, food composition)
- Giles Hanley-Cook & Isabela Sattamini (Individual level data, MDD-W)
- Stefania Vannuccini (SUA data, aquatic foods)
- Jose Rosero Moncayo, Piero Conforti, Lynnette Neufeld, Nancy Aburto (FAO Statistics Division and FAO Food & Nutrition Division Directors and Deputy Directors)



Thank you



Visit:

https://www.fao.org/faostat/en/#data

