

# Appendix 1

## **SOFI Country Group Composition**

**WORLD:** Developing, developed.

**DEVELOPING WORLD:** Asia and the Pacific, Latin America and the Caribbean, Near East and North Africa, Sub-Saharan Africa.

**ASIA and the PACIFIC:** East Asia, Oceania, Southeast Asia, South Asia, Central Asia, Western Asia.

**South Asia:** Bangladesh, India, Nepal, Pakistan, Sri Lanka.

**SUB-SAHARAN AFRICA:** Central Africa, East Africa, Southern Africa, West Africa.

**East Africa:** Burundi, Eritrea, [Ethiopia](#), [Kenya](#), Rwanda, Somalia, Sudan, [Tanzania](#), [Uganda](#).

**West Africa\*\*:** Benin, Burkina Faso, Côte d'Ivoire, Gambia, [Ghana](#), Guinea, Liberia, [Mali](#), Mauritania, [Niger](#), Nigeria, [Senegal](#), Sierra Leone, Togo.

**Southern Africa:** Angola, [Botswana](#), Lesotho, Madagascar, [Malawi](#), Mauritius, [Mozambique](#), Namibia, Swaziland, [Zambia](#), Zimbabwe.

[Countries in purple are focus countries](#)

\*Sri Lanka not included in CGIAR's Rice-Wheat Consortium

\*\*Guinea-Bissau is not in this list





## West African Sub-National Food Security Indicators

Country	Indicator	Food Security Pillar	Level of Data	Data Source	Web URL	Range of Years Available	Frequency	Description	Additional Notes	
1	Ghana	*Anthropometry of children under five	Utilization	Region	Measure DHS/STATcompiler	<a href="http://www.statcompiler.com/start.cfm?action=new_table&amp;userid=322310&amp;usertabid=347659&amp;CFID=9278688&amp;CFTOKEN=26078907">http://www.statcompiler.com/start.cfm?action=new_table&amp;userid=322310&amp;usertabid=347659&amp;CFID=9278688&amp;CFTOKEN=26078907</a>	1988 - 2008	every 5 years	Stunted, wasted and underweight by region and also by education level of mother, sex, birth order, age category (months) and urban/rural.	
2	Ghana	*Crop Production Quantity	Availability	Region	CountrySTAT	<a href="http://www.countrystat.org/gha">http://www.countrystat.org/gha</a>	2000 - 2007	yearly	Production values (tonnes) of twelve crops (maize, rice, millet, sorghum, cassava, yam, cocoyam, plantain, groundnuts, cowpea, soybean, and sweet potato).	Source: Statistics, Research and Information Directorate of the Ghana Ministry of Food and Agriculture.
3	Ghana	*Staple food prices	Access	Accra	GIEWS price tool	<a href="http://www.fao.org/qIEWS/pricetool/">http://www.fao.org/qIEWS/pricetool/</a>	2005 - 2009	monthly	Monthly wholesale and retail prices for maize, cassava and imported rice in Accra (Cedi/kg).	Source: www.esoko.com (formerly tradenet.biz).
4	Ghana	Anthropometry of children under five, based on the NCHS reference population	Utilization	Rural/urban, sex, and age category	WHO Global Database on Child Growth and Malnutrition	<a href="http://www.who.int/nutgrowthdb/database/countries/en/">http://www.who.int/nutgrowthdb/database/countries/en/</a>	1987 - 2003	every 2 - 5 years	(-3SD) and (-2SD) for each of weight/age, height/age, weight/height, and BMI/age. Not every state has data in every year.	
5	Ghana	Anthropometry of children under five, based on WHO Child Growth Standards	Utilization	Rural/urban, age category, and sex	WHO Global Database on Child Growth and Malnutrition	<a href="http://www.who.int/nutgrowthdb/database/countries/en/">http://www.who.int/nutgrowthdb/database/countries/en/</a>	1988 - 2008	every 3 - 5 years	(-3SD) and (-2SD) for each of weight/age, height/age, weight/height, and BMI/age. Not every division has data in every year.	
6	Ghana	BMI of adult women (15-49)	Utilization	Region	FAO Nutrition profile of Ghana	<a href="ftp://ftp.fao.org/ag/nutrition/hcp/gha.pdf">ftp://ftp.fao.org/ag/nutrition/hcp/gha.pdf</a>	1998 and 2003	two years of data	Percentage of women with BMIs below 18.5, 18.5-24.9, 25-29.9 and over 30.	Also available broken down by 4 year age intervals, urban/rural, and education level.
7	Ghana	Food Balance Sheet	Availability	By major crop	CountrySTAT	<a href="http://www.countrystat.org/gha/cont/pwbequervima/081fb011/en">http://www.countrystat.org/gha/cont/pwbequervima/081fb011/en</a>	2009/10	single estimate	Food balance sheet for twelve crops, recording production, imports, exports, total supply (tonnes) and per capita consumption (kg/year).	Source: Statistics, Research and Information Directorate of the Ghana Ministry of Food and Agriculture.
8	Ghana	HHS months of difficulties by region	Food security	Region	WFP Ghana CFSVA 2009	<a href="http://www.countrystat.org/wfp/cont/pwbequervima/081hhsr004/en">http://www.countrystat.org/wfp/cont/pwbequervima/081hhsr004/en</a>	Nov. 2007 - Oct. 2008	monthly	Avg. % of HHS that did not have enough to eat in the given month, by region.	Indicator of major lean times through the year and overall level of HH food insecurity.
9	Ghana	Percent children underweight	Utilization	Region	CIESIN	<a href="http://sedac.ciesin.columbia.edu/povmap/ids_global.jsp">http://sedac.ciesin.columbia.edu/povmap/ids_global.jsp</a>	single figure	single estimate	One estimate for time period 1990 - 2002 in each of 10 regions.	
10	Ghana	Prevalences of stunting, wasting, and underweight	Utilization	Region	FAO Nutrition profile of Ghana	<a href="ftp://ftp.fao.org/ag/nutrition/hcp/gha.pdf">ftp://ftp.fao.org/ag/nutrition/hcp/gha.pdf</a>	1998, 2003, 2006	three years of data	Percent of children under five that are -3 and -2 z-scores for stunting, wasting and underweight.	Also available is prevalence by sex, age category (0-4.99 months, 5-99, 1-1.99, etc.), urban/rural, and mother's education.
11	Ghana	Savelugu-Nanton Household Survey Dataset, 2004	Household	IFPRI, UDS, and UNICEF-Ghana	<a href="http://www.ifpri.org/dataset/ghana-savelugu-nanton-household-survey-dataset-2004">http://www.ifpri.org/dataset/ghana-savelugu-nanton-household-survey-dataset-2004</a>	2004			It is a cross-sectional survey that, when paired with the baseline survey conducted in 2001, formed the basis for an IFPRI-led impact evaluation of interventions sponsored by the United Nations Children's Fund (UNICEF) to increase the micronutrient content of young children's diets.	
12	Mali	*Anthropometry of children under five	Utilization	Region	Measure DHS/STATcompiler	<a href="http://www.statcompiler.com/start.cfm?action=new_table&amp;userid=322310&amp;usertabid=347659&amp;CFID=9278688&amp;CFTOKEN=26078907">http://www.statcompiler.com/start.cfm?action=new_table&amp;userid=322310&amp;usertabid=347659&amp;CFID=9278688&amp;CFTOKEN=26078907</a>	1987 - 2006	every 5 - 10 years	Stunted, wasted and underweight by region and also by education level of mother, sex, birth order, age category (months) and urban/rural.	Uses NCHS international reference population.
13	Mali	*Crop Production Quantity	Availability	By major crop and region	CountrySTAT	<a href="http://www.countrystat.org/ml">http://www.countrystat.org/ml</a>	1985 - 2007	yearly	Production, in tonnes, of millet, sorghum, rice, maize, cotton, sugarcane and other major crops in each region.	
14	Mali	*Food security conditions (map)	Food security	By district or sub-district	FEWSNET	<a href="http://v4.fews.net/Pages/countryarchive.aspx?nid=500&amp;gb=ne&amp;loc=2&amp;en">http://v4.fews.net/Pages/countryarchive.aspx?nid=500&amp;gb=ne&amp;loc=2&amp;en</a>	2000 - 2010	monthly	Country map (embedded in short report) showing food security conditions according to the FEWSNET Food Insecurity Severity Scale, produced monthly. Some reports also have maps of rainfall.	PDFs only available online beginning in late 2005. Data prior to 2005 will need to be requested from FEWSNET.
15	Mali	*Staple food prices	Access	2 major markets	GIEWS price tool	<a href="http://www.fao.org/qIEWS/pricetool/">http://www.fao.org/qIEWS/pricetool/</a>	2006 - 2010	monthly	Monthly wholesale prices for local millet and imported rice in Bamako and Kayes (CFA/100kg).	
16	Mali	Anthropometry of children under five, based on the NCHS reference population	Utilization	Rural/urban, sex, and age category	WHO Global Database on Child Growth and Malnutrition	<a href="http://www.who.int/nutgrowthdb/database/countries/en/">http://www.who.int/nutgrowthdb/database/countries/en/</a>	1985 - 2001	every 2 - 5 years	(-3SD) and (-2SD) for each of weight/age, height/age, weight/height, and BMI/age. Not every state has data in every year.	
17	Mali	Anthropometry of children under five, based on WHO Child Growth Standards	Utilization	Rural/urban, age category, and sex	WHO Global Database on Child Growth and Malnutrition	<a href="http://www.who.int/nutgrowthdb/database/countries/en/">http://www.who.int/nutgrowthdb/database/countries/en/</a>	1987 - 2006	every 3 - 5 years	(-3SD) and (-2SD) for each of weight/age, height/age, weight/height, and BMI/age. Not every division has data in every year.	
18	Mali	Monthly Price Bulletins (millet, rice and sorghum)	Access	8 markets	FEWSNET	<a href="http://v4.fews.net/pages/archive.aspx?nid=650&amp;loc=3&amp;en">http://v4.fews.net/pages/archive.aspx?nid=650&amp;loc=3&amp;en</a>	2009 - 2010	monthly	retail price series data for millet, rice and sorghum in eight markets across Mali (CFA/kg).	Only available online in PDF format.
19	Mali	Percent children stunted	Utilization	Select towns	UNEP-GRID Arendal	<a href="http://maps.grida.no/gp/graphics/children_stunted_and_accessibility_index_burkina_faso_and_mali">http://maps.grida.no/gp/graphics/children_stunted_and_accessibility_index_burkina_faso_and_mali</a>	single figure, 1997	single estimate	Prevalence of stunting in selected towns across Mali.	Mapped in correspondence to an "accessibility index" showing market access in terms of road quality and town size.
20	Mali	Percent children underweight	Utilization	Region	CIESIN	<a href="http://sedac.ciesin.columbia.edu/povmap/ids_global.jsp">http://sedac.ciesin.columbia.edu/povmap/ids_global.jsp</a>	single figure	single estimate	One estimate for time period 1990 - 2002 in each of 6 regions (missing Kidal, Timbuctou and Bamako).	
21	Mali	Terms of trade, goat-millet	Access	3 markets	FEWSNET	<a href="http://v4.fews.net/docs/Publications/Mali_fsu_2010_06_en.pdf">http://v4.fews.net/docs/Publications/Mali_fsu_2010_06_en.pdf</a>	2005 - 2010	monthly	Kg of millet per goat exchange rate in three different markets. Bar graph of monthly prices in 2005, 2009 and 2010, with average monthly from 05-09 price shown as a single data point.	Graphs embedded in PDF report; original data will need to be requested from FEWSNET.
22	Niger	*Anthropometry of children under five	Utilization	Region	Measure DHS/STATcompiler	<a href="http://www.statcompiler.com/start.cfm?action=new_table&amp;userid=322310&amp;usertabid=347659&amp;CFID=9278688&amp;CFTOKEN=26078907">http://www.statcompiler.com/start.cfm?action=new_table&amp;userid=322310&amp;usertabid=347659&amp;CFID=9278688&amp;CFTOKEN=26078907</a>	1992 - 2006	every 6 years	Stunted, wasted and underweight by region and also by education level of mother, sex, birth order, age category (months) and urban/rural.	Uses NCHS international reference population.
23	Niger	*Food security conditions (map)	Food security	By district or sub-district	FEWSNET	<a href="http://v4.fews.net/Pages/countryarchive.aspx?nid=500&amp;gb=ne&amp;loc=2&amp;en">http://v4.fews.net/Pages/countryarchive.aspx?nid=500&amp;gb=ne&amp;loc=2&amp;en</a>	2000 - 2010	monthly	Country map (embedded in short report) showing food security conditions according to the FEWSNET Food Insecurity Severity Scale, produced monthly.	only available online in PDF format.
24	Niger	*Staple food prices	Access	6 major markets	GIEWS price tool	<a href="http://www.fao.org/qIEWS/pricetool/">http://www.fao.org/qIEWS/pricetool/</a>	2000 - 2010	monthly	Monthly retail prices for maize, millet, sorghum and rice in CFA/kg.	Source: <a href="http://www.resimao.org/html/fr/region/home">http://www.resimao.org/html/fr/region/home</a>
25	Niger	Anthropometry of adult women (15-49)	Utilization	Region	FAO nutrition profile of Niger	<a href="http://www.fao.org/ag/nutrition/profiles_by_country_en.stm">http://www.fao.org/ag/nutrition/profiles_by_country_en.stm</a>	1992, 1998, 2006	three years of data	Average height and BMI of adult women (15-49) and percent of adult women with BMI below 18.5, (2006 data also has percent of women with BMIs between 18.5-24.9, 25-29.9 and over 30).	Also broken down by sex, age (15-19, 20-29, 30-39 and 40-49), urban/rural, and education level.
26	Niger	Anthropometry of children under five, based on the NCHS reference population	Utilization	Rural/urban, sex, age category and region	WHO Global Database on Child Growth and Malnutrition	<a href="http://www.who.int/nutgrowthdb/database/countries/en/">http://www.who.int/nutgrowthdb/database/countries/en/</a>	1980 - 2000	every 2 - 5 years	(-3SD) and (-2SD) for each of weight/age, height/age, weight/height, and BMI/age. Not every state has data in every year.	
27	Niger	Anthropometry of children under five, based on WHO Child Growth Standards	Utilization	Rural/urban, sex, age category and region	WHO Global Database on Child Growth and Malnutrition	<a href="http://www.who.int/nutgrowthdb/database/countries/en/">http://www.who.int/nutgrowthdb/database/countries/en/</a>	1992 - 2006	every 2 - 6 years	(-3SD) and (-2SD) for each of weight/age, height/age, weight/height, and BMI/age. Not every division has data in every year. Only children under three years.	
28	Niger	Anthropometry of preschool children	Utilization	Region	FAO nutrition profile of Niger	<a href="http://www.fao.org/ag/nutrition/profiles_by_country_en.stm">http://www.fao.org/ag/nutrition/profiles_by_country_en.stm</a>	1992, 1998, 2000, 2005, 2006	irregular	Percent of children under five who are stunted, wasted, and underweight (-3 and -2 z-scores).	Also broken down by sex, age (0-49 years 5-99, 1-1.99, etc.), urban/rural, and mother's education.
29	Niger	Land use	Proxy for availability	GIS layer	Fakara database	<a href="http://www.iircas.afrc.go.jp/project/africa_dojp/Metadata/index.html">http://www.iircas.afrc.go.jp/project/africa_dojp/Metadata/index.html</a>	1950, 1965, 1970, 1994, 1995, 1996, 2002, 2004	irregular	GIS layer compiled by ICRISAT.	Was not able to access Fakara metadata base.
30	Niger	Monthly Price Bulletins (millet, maize, cowpea, and imported rice)	Access	Major cities	FEWSNET	<a href="http://v4.fews.net/Pages/countryarchive.aspx?nid=650&amp;gb=ne&amp;loc=3&amp;en">http://v4.fews.net/Pages/countryarchive.aspx?nid=650&amp;gb=ne&amp;loc=3&amp;en</a>	2009 - 2010	monthly	Assembly, wholesale and retail prices for main staple commodities in 13 markets (CFA/kg). Graphs show data prior to 2009 (back to 2004).	only available online in PDF format.
31	Niger	Percent children underweight	Utilization	Region	CIESIN	<a href="http://sedac.ciesin.columbia.edu/povmap/ids_global.jsp">http://sedac.ciesin.columbia.edu/povmap/ids_global.jsp</a>	single figure	single estimate	One estimate for time period 1990 - 2002 in each of 6 regions (Diffa combined with Zinder).	
32	Senegal	*Anthropometry of children under five	Utilization	Region	Measure DHS/STATcompiler	<a href="http://www.statcompiler.com/start.cfm?action=new_table&amp;userid=322310&amp;usertabid=347659&amp;CFID=9278688&amp;CFTOKEN=26078907">http://www.statcompiler.com/start.cfm?action=new_table&amp;userid=322310&amp;usertabid=347659&amp;CFID=9278688&amp;CFTOKEN=26078907</a>	1986 - 2009	every 5-7 years	Stunted, wasted and underweight by region and also by education level of mother, sex, birth order, age category (months) and urban/rural.	Uses NCHS international reference population.
33	Senegal	*Crop Production Quantity	Availability	By major crop and region	CountrySTAT	<a href="http://www.countrystat.org/sen/cont/pwbequervima/195spd010/fr">http://www.countrystat.org/sen/cont/pwbequervima/195spd010/fr</a>	1997 - 2009	yearly	Production, in tonnes, of 24 major crops by region.	Source: Senegal National Statistics and Demographics Agency.
34	Senegal	*Monthly Retail Prices of Cereals	Access	By region and commodity	CountrySTAT	<a href="http://www.countrystat.org/sen/cont/pwbequervima/195spr011/fr">http://www.countrystat.org/sen/cont/pwbequervima/195spr011/fr</a>	1998 - 2008	monthly	Monthly retail prices of six major commodities in CFA/kg in each of 11 regions.	Source: Commissariat a la securite alimentaire.
35	Senegal	Anthropometry of children under five, based on the NCHS reference population	Utilization	Rural/urban, sex, age category and region	WHO Global Database on Child Growth and Malnutrition	<a href="http://www.who.int/nutgrowthdb/database/countries/en/">http://www.who.int/nutgrowthdb/database/countries/en/</a>	1983 - 2000	every 3 - 5 years	(-3SD) and (-2SD) for each of weight/age, height/age, weight/height, and BMI/age. Not every region has data in every year.	
36	Senegal	Anthropometry of children under five, based on WHO Child Growth Standards	Utilization	Rural/urban, sex, age category and region	WHO Global Database on Child Growth and Malnutrition	<a href="http://www.who.int/nutgrowthdb/database/countries/en/">http://www.who.int/nutgrowthdb/database/countries/en/</a>	1986 - 2005	every 5 - 6 years	(-3SD) and (-2SD) for each of weight/age, height/age, weight/height, and BMI/age. Not every region has data in every year.	
37	Senegal	Percent children underweight	Utilization	Region	CIESIN	<a href="http://sedac.ciesin.columbia.edu/povmap/ids_global.jsp">http://sedac.ciesin.columbia.edu/povmap/ids_global.jsp</a>	single figure	single estimate	One estimate for time period 1990 - 2002 in each of 10 regions (missing Kaffrine, Kedougou, Matam, and Sedhiou regions).	
38	Senegal	Staple food prices	Access	11 markets	GIEWS price tool	<a href="http://www.fao.org/qIEWS/pricetool/">http://www.fao.org/qIEWS/pricetool/</a>	2007 - 2010	monthly	Monthly retail prices for millet, sorghum and rice in CFA/kg.	

