

**Table S2.** List of dietary surveys conducted in LMICs and related details for dietary assessment method, presence of repeated dietary recall/records and number of recalls/records per subject, survey administration method, population groups, minimum and maximum ages in years.

Country	Survey name	Dietary assessment method	Repeated dietary recall/record	Number of repeated recalls/records per subject	Survey administration method	Population groups	Minimum age in years	Maximum age in years
Algeria	Algeria - 2008/2010 - University of Tlemcen	24-hour recall	Yes	3	Paper questionnaire	Children 6-8 years old	6	8
Algeria	Algeria - 2010/2014 - University of Tlemcen	24-hour recall	Yes	3	Paper questionnaire	Pregnant women	Not specified	Not specified
Algeria	Algeria - 2011/2012 - University of Tlemcen	24-hour recall	Yes	3	Paper questionnaire	Adolescents 10-17 years old	10	17
American Samoa	American Samoa - 1990 - Hawaii Department of Health	24-hour recall	No		Paper questionnaire	Adults 25 to 55 years	25	55
Argentina	Argentina - 2015 - Latin American Study of Nutrition and Health / Estudio Latinoamericano de Nutrición y Salud (ELANS)	24-hour recall	Yes	2	Paper questionnaire	Adults 15-65 years old	15	65
Argentina	Argentina - 2005 - Encuesta Nacional de Nutrición y Salud (ENNyS)	24-hour recall	No		Paper questionnaire	Infants aged 6-23 months;Children aged 2-5 years;Women aged 10-49 years	0.5	49
Argentina	Argentina - 2012/2013 - Primer estudio sobre el estado nutricional y los hábitos alimentarios de la población adulta de Rosario	24-hour recall	Yes	4	Paper questionnaire	Adult 18 to 70y both sex	18	71
Argentina	Argentina - 2019 - 2nd Encuesta Nacional de Nutrición y Salud (ENNyS 2)	24-hour recall	No		Electronic questionnaire	Infants aged 6-23 months;Children and adolescents 2-17 years old;Adults 18 years old and above	0.5	Not specified
Argentina	Primera Encuesta Alimentaria y Nutricional de la Ciudad Autónoma de Buenos Aires - EAN CABA	24-hour recall	No		Paper questionnaire	Women with children <6m;Children 7-23m;Children 2-4y;Children 5-12y;Adolescent 13-18y;Women 19-49y;Adults >60y	Not specified	Not specified
Bangladesh	HarvestPlus Bangladesh Bio-fortified Rice Project - Baseline Dietary Survey	Other: 12-h weighed food records combined with 12-h recall	Yes	2	Paper questionnaire	Women of reproductive age	16	70
Bangladesh	Bangladesh Integrated Household Survey (BIHS), 2011-2012	24-hour recall	No		Paper questionnaire	Whole population	0	120
Bangladesh	Bangladesh - 1996 - IFPRI	24-hour recall	Yes	2	Paper questionnaire	Women 15-49 years old	15	49
Bangladesh	Aquatic food production systems (gher) across the saline gradients in the southwest coastal Bangladesh and its nexus to food and nutritional security	24-hour recall	Yes	2	Paper questionnaire	Adolescent girls (10-19 years old);Adolescent boys (10-19 years old);Household head/ father (>10 years old);Housemaker/wife	10	75
Bangladesh	Nutrition Survey of Bangladesh 2017-18	Weighted food record	Yes	2	Paper questionnaire	Whole population	1	97

Benin	Benin - 2012 - Ghent University	24-hour recall	Yes	2	Paper questionnaire	Non-pregnant and non-lactating women older than 18 years.	18	Not specified
Benin	Benin - FoodAfrica Project - Bioversity 2015	24-hour recall	Yes	Not specified	Paper questionnaire	Infant and young children (6-23 months)	0.5	2
Benin	Benin - 2014 - Regional Institute of Public Health (IRSP) of Ouidah	24-hour recall	Yes	2	Paper questionnaire	Pregnant women	19	31
Benin	Benin - 2006 - TRANSNUT	24-hour recall	Yes	3	Paper questionnaire	Beninese-born adults	25	60
Benin	Benin - 2007 - Ghent University	24-hour recall	Yes	2	Paper questionnaire	School adolescents 13-19 years old	13	19
Bolivia (Plurinational State of)	Bolivia - 2009/2012 - Lund University	24-hour recall	Yes	3	Paper questionnaire	Women aged 20 to 52 years;Patients with cutaneous leishmaniasis (CL) (12 females and 20 males), aged 14 to 50 years;Healthy controls (12 females and 20 males), aged 14 to 50 years ( $\pm$ 5 years);Children from 4 to 13 years	4	52
Brazil	Brazil - 2007 - ASBRAN	24-hour recall	No		Paper questionnaire	Children 12-19 years old	12	19
Brazil	Brazilian National Dietary Survey 2008-2009	Estimated food record	Yes	2	Paper questionnaire	General population > 10 years old	10	Not specified
Brazil	Brazil - 2015 - Latin American Study of Nutrition and Health / Estudio Latinoamericano de Nutrición y Salud (ELANS)	24-hour recall	Yes	2	Paper questionnaire	Adults 15-65 years old	15	65
Brazil	Health Survey São Paulo (ISA-Capital) 2008	24-hour recall	Yes	2	Paper questionnaire	Adolescents 12-19 years old;Adults 20-59 years old;Elderly with 60 years old or more	12	Not specified
Brazil	Health Survey of the State of São Paulo (ISA-SP) 2001/2002	24-hour recall	No		Paper questionnaire	Adults >20 years old	20	Not specified
Brazil	Health Survey São Paulo (ISA-Capital) 2003	24-hour recall	Yes	2	Paper questionnaire	Adolescents 12-19 years old;Adults 20-59 years old;Elderly $\geq$ 60 years old	12	Not specified
Brazil	Brazilian Study of Cardiovascular Risks in Adolescents (ERICA)	24-hour recall	Yes	2	Electronic questionnaire	Students from private and public schools	12	17
Brazil	Brasilia consumption and physical activity survey - ICA Brasilia	24-hour recall	Yes	2	Paper questionnaire	men over 20 years old;Women over 20 years old	20	87
Bulgaria	Bulgaria - 2004 - National Survey Of Food Intake And Nutritional Status (NSFIN)	24-hour recall	No		Paper questionnaire	Adults above 16 years	16	95
Bulgaria	Bulgaria - 2007 - Nutrition and Nutritional Status of Children under 5 years in Bulgaria (NUTRICHILD)	24-hour recall	Yes	2	Paper questionnaire	Children under 5 years	0	5
Burkina Faso	Food consumption and iron status survey in two provinces of rural Burkina Faso	24-hour recall	Yes	2	Paper questionnaire	Women of reproductive age;Children aged 36–59 months	3	55
Burkina Faso	Burkina Faso - 2004 - Ghent University and Institute of Tropical Medicine of Antwerp, Belgium	24-hour recall	No		Paper questionnaire	Pregnant women;Non-pregnant women	15	45
Burkina Faso	Burkina Faso - 2010 - Université de Montréal	24-hour recall	Yes	2	Paper questionnaire	Adults from different income proxies	25	60
Burkina Faso	Burkina Faso - 2006 - IRD	24-hour recall	Yes	3	Paper questionnaire	Women of reproductive age	17	49

Burkina Faso	Burkina Faso - 2014 - Moderate Acute Malnutrition Out Study	24-hour recall	Yes	2	Paper questionnaire	Children - control;Children - intervention	1	2
Cabo Verde	Cabo Verde - 2014 - Universidade Nova de Lisboa	24-hour recall	No		Paper questionnaire	Adults from 3 different urban units	18	Not specified
Cambodia	Cambodia - 2010 - Institute of Technology of Cambodia	24-hour recall	Yes	2	Paper questionnaire	Adults	25	65
Cameroon	Cameroon - 2012 - University of Douala	24-hour recall	Yes	3	Paper questionnaire	Adults (89 men and 163 women)	18	70
Cameroon	Cameroon - 2006 - Umeå University	24-hour recall	Yes	3	Paper questionnaire	Adolescents 12-16 years old	12	16
Cameroon	Cameroon - 2013 - Ghent University	24-hour recall	No		Paper questionnaire	Children 12-24 months	1	2
Cameroon	Cameroon - 2009 - UC Davis/Hellen Keller International/Ministry of Public Health, Cameroon	24-hour recall	Yes	2	Paper questionnaire	Preschool children aged 12-59 months old ;Women of reproductive age 15-49 years old	1	49
China	China Health and Nutrition Survey (CHNS)	24-hour recall	Yes	10	Paper questionnaire until 2006, e-questionnaire since 2009.	Whole population	6	100
Colombia	Colombia - 2015 - Latin American Study of Nutrition and Health / Estudio Latinoamericano de Nutrición y Salud (ELANS)	24-hour recall	Yes	2	Paper questionnaire	Adults 15-65 years old	15	65
Colombia	Colombia - 2005 - ProPAN	24-hour recall	No		Paper questionnaire	Children 6-48 months old	0.5	4
Colombia	Colombia - 2015 - Encuesta Nacional de la Situación Nutricional (ENSIN)	24-hour recall	Yes	2	Electronic questionnaire	Whole population	0	64
Costa Rica	Costa Rica - 1996 - INCIENSA	Estimated food record	Yes	3	Paper questionnaire	Adolescents 12-19 years old	12	19
Costa Rica	Costa Rica - 2006 - INCIENSA	Estimated food record	Yes	3	Paper questionnaire	Adolescents 12-17 years old	12	17
Costa Rica	Costa Rica - 1999/2000 - Encuesta Nacional de Nutrición - Comunidades centinela	24-hour recall	Yes	2	Paper questionnaire	Children 1-6 years old	1	6
Costa Rica	Costa Rica - 2015 - Latin American Study of Nutrition and Health / Estudio Latinoamericano de Nutrición y Salud (ELANS)	24-hour recall	Yes	2	Paper questionnaire	Adults 15-65 years old	15	65
Costa Rica	Farm to School: a multicomponent food system intervention to increase consumption of Fruit and Vegetables in Costa Rica	24-hour recall	Yes	2	Electronic questionnaire	Children from 9 to 12 years old (control group);Children from 9 to 12 years old (intervention group)	8	12
Côte d'Ivoire	Évaluation de la consommation alimentaire et de l'apport en nutriments des enfants de 6 à 12 ans et des femmes en âge de procréer en Côte d'Ivoire	24-hour recall	Yes	2	Electronic questionnaire	Enfants en âge scolaire;femmes en âge de procréer	8	49
Democratic Republic of the Congo	Democratric Republic of Congo - 2009 - University of Kisangani/Ghent University	24-hour recall	Yes	2	Paper questionnaire	Adult women	15	72
Democratic Republic of the Congo	Women First Dietary Recall Data: Sud-Ubangi, Democratic Republic of the Congo 2014/2016	24-hour recall	Yes	2	Paper questionnaire	1st trimester pregnant women	16	34

Dominica	Dominica - 2005/2006 - Clemson University	24-hour recall	Yes	2	Paper questionnaire	Children 5-11 years old	5	11
Ecuador	Ecuador - 2002 - ProPAN	24-hour recall	Yes	2	Paper questionnaire	Children 6-25 months	0.5	2
Ecuador	Ecuador - 2015 - Latin American Study of Nutrition and Health / Estudio Latinoamericano de Nutrición y Salud (ELANS)	24-hour recall	Yes	2	Paper questionnaire	Adults 15-65 years old	15	65
Ecuador	Ecuador - 2012 - Encuesta Nacional de Salud y Nutrición (ENSANUT-ECU)	24-hour recall	No		Paper questionnaire	Whole population	1	59
Egypt	Egypt - 1994 - Agriculture Research Centre (FTRI/ARC)	24-hour recall	No		Paper questionnaire	Adult female survey respondent;Children aged 2–6 years	2	Not specified
Egypt	Egypt - 1981 - National Nutrition Institute	24-hour recall	No		Paper questionnaire	Whole population	Not specified	Not specified
Egypt	Egypt - 1998 - National Nutrition Institute	24-hour recall	No		Paper questionnaire	One child (2-18 years old) for each household, and his/her mother were collected with a total sample of 1669 households with 9134 individuals.	2	Not specified
Egypt	Egypt - University of Maryland	24-hour recall	No		Paper questionnaire	Adolescents girls 11-19 years old	11	19
Equatorial Guinea	Equatorial Guinea - 1997 - Instituto de Salud Carlos III	24-hour recall	No		Paper questionnaire	Children <5 years old	Not specified	5
Equatorial Guinea	Equatorial Guinea - 2004 - Instituto de Salud Carlos III	24-hour recall	No		Paper questionnaire	Children <5 years old	Not specified	5
Ethiopia	Ethiopia - 2011 - Ethiopian Public Health Institute (EPHI)	24-hour recall	No		Paper questionnaire	Young children 6-35 months;Adult females 15-45 years;Adult urban males 19-45 years	0.5	45
Ethiopia	Ethiopia - 2009 - Instituto de Salud Carlos III	24-hour recall	Yes	2	Paper questionnaire	Children 4-15 years	4	15
Ethiopia	Ethiopia - 2005 - University of Gondar	24-hour recall	Yes	3	Paper questionnaire	Adults	18	Not specified
Ethiopia	Dietary Practices, Maternal Nutritional Status and Child Stunting: Comparative and Intervention Studies in Pulse and Non-pulse Growing Rural Communities in Ethiopia	Weighted food record	No		Paper questionnaire	Children 6-59 months old;Mothers who had at least one under five years of age child in the study communities	0.2	48
Ethiopia	Ethiopia - 2009/2010 - Jimma University	24-hour recall	Yes	2	Paper questionnaire	Children 6-12 months old	0.5	1
Ethiopia	Ethiopia - 2013/2014 - Addis Ababa University	24-hour recall	Yes	2	Paper questionnaire	Children 12-23 months old	1	2
Ethiopia	Dietary behavior, food and nutrient intake of pregnant and non-pregnant women of Southern Ethiopia	24-hour recall	Yes	2	Paper questionnaire	Pregnant women;Non-pregnant women	18	45
Ethiopia	Ethiopia - 2014 - University of Saskatchewan	24-hour recall	No		Paper questionnaire	Children 6-23 months old	0.5	2
Fiji	Fiji - 1980 - Cardiovascular and Metabolic Disease Survey	24-hour recall	No		Paper questionnaire	Melanesian adults (n=166 urban; n=116 rural);Indian adults (n=108 urban; n=120 rural)	20	Not specified
Fiji	Fiji - 1996 - Japan Women's University	24-hour recall	Yes	3	Paper questionnaire	Women 30-39 years old	30	39
Fiji	Fiji - 2004 - National Nutrition Survey	24-hour recall	Yes	2	Paper questionnaire	Adults 15-44 years	15	44
Fiji	Fiji - 2010 - Impact Study on Iron Fortified Flour	24-hour recall	No		Paper questionnaire	Women of childbearing age (15-45 years old)	15	45

Fiji	Fiji - 2015 - National Nutrition Survey	24-hour recall	Yes	2	Paper questionnaire	Children between 5-14 years ;Adolescents between 15-17 years;Adults between 18-45 years	5	45
Ghana	Ghana - 2007 - University of Ghana	24-hour recall	No		Paper questionnaire	Non-pregnant non-lactating women having children aged between 2–5years	26	42
Ghana	Ghana - 2010/2011 - Modeling the Epidemiologic Transition Study (METS)	24-hour recall	Yes	2	Paper questionnaire	Males 25-45 years old;Females 25-45 years old	25	45
Ghana	Effect of lysine supplementation on health and morbidity in subjects belonging to poor peri-urban households in Accra, Ghana	24-hour recall	Yes	3	Paper questionnaire	1 man 18 to 45 years of age per household.;1 woman 18 to 45 years of age per household;1 child less than 12 years per household	2	45
Ghana	Ten2Twenty: Ghana Dietary Intake Among Adolescent Girls in North-Eastern Ghana	24-hour recall	Yes	2	Paper questionnaire	Pre- and post-menarche Adolescent girls aged 10-17 years	10	17
Ghana	Community assessment course of the Department of Nutrition and Food Science, University of Ghana	24-hour recall	No		Paper questionnaire	1 man above 18 years of age per household.;Care giver of index child;Index child less than 5 years of age	1	64
Guatemala	Guatemala - 2012 - FANTA/INCAP	24-hour recall	No		Paper questionnaire	Children 6-11 months old;Children 12-23 months old;Pregnant women;Lactating women	0.5	Not specified
Guatemala	Women First Dietary Recall Data: Chimaltenango, Guatemala 2014/2016	24-hour recall	Yes	2	Paper questionnaire	1st trimester pregnant women	17	33
Guatemala	Validation study (FFQ against R24H)	24-hour recall	Yes	3	Paper questionnaire	Children 6-11 years old	6	11
Guatemala	Guatemala - 1996-1999 - Generational Effects Study, INCAP	24-hour recall	Yes	Not specified	Paper questionnaire	Children <3 years old;Mothers	Not specified	Not specified
Guatemala	Controlling study of the impact of the biofortified bean variety SMN39 (Phaseolus vulgaris L) associated with agricultural and nutritional education, to prevent iron deficiency in rural adolescent women from Eastern Guatemala	24-hour recall	No		Paper questionnaire	Adolescent women between 10 to 18 years	10	18
Guatemala	Farm to School: a multicomponent food system intervention to increase consumption of Fruit and Vegetables in Guatemala	24-hour recall	Yes	2	Electronic questionnaire	Children from 9 to 12 years old	8	14
Honduras	Honduras - 2008/2010 - University of North Carolina	24-hour recall	Yes	12	Paper questionnaire	Control children 6–18 months;Children 6–18 months receiving Lipid-based nutrient supplements (LNS)	0.5	1.5
India	India - 2009/2012 - Diet and Nutritional status of Rural population, Prevalence of hypertension and Diabetes among Adults and Infant & Young child feeding practices	24-hour recall	No		Paper questionnaire	Whole population	0.5	99

India	Women First Dietary Recall Data: Belagavi, Karnataka, India 2014/2016	24-hour recall	Yes	2	Paper questionnaire	1st trimester pregnant women	16	33
India	India - 2013/2014 - All India Institute of Medical Sciences	24-hour recall	No		Paper questionnaire	Women 20-60 years old	20	60
India	India - 1994/1996 - Pune Maternal Nutrition Study	24-hour recall	Yes	2	Paper questionnaire	Pregnant women 15-40 years old	15	40
India	India - 2013/2014 - Hirabai Cowasji Jehangir Medical Research Institute	24-hour recall	Yes	3	Paper questionnaire	Schoolchildren 2-16 years old	2	16
India	India - 2006-2010 - Hirabai Cowasji Jehangir Medical Research Institute	24-hour recall	Yes	2	Paper questionnaire	Girls 2-18 years old	2	18
India	SPANDAN Bihar-Odisha Integrated Ag-Nutrition Survey, India, 2014/2015	24-hour recall	No		Paper questionnaire	Children 5 to 10 years ;Adolescent 11 to 19 years;Population age 20 and above	0	95
India	A study of growth, nutrition and health status of urban and rural school children and adolescents with special reference to vitamin D deficiency	24-hour recall	Yes	2	Paper questionnaire	Children 9 to 18 years	9	18
India	Chennai Urban Rural Epidemiological Study (CURES)	24-hour recall	Yes	2	Paper questionnaire	All men and women greater than or equal to 20 years of age	20	70
India	Developing a national salt reduction program for India: population survey in North and South India	24-hour recall	Yes	2	Paper questionnaire	Whole population	20	88
Indonesia	Indonesia - 2011 - SEANUTS	24-hour recall	No		Paper questionnaire	Children 0.5 - 12 years old	0.5	12
Indonesia	Food Consumption Survey (FCS) Indonesia 2014	24-hour recall	Yes	2	Paper questionnaire	Whole population	Not specified	Not specified
Indonesia	Indonesia - 2003/2004 - The University of Tokyo	Other: Recall at approximately 9:00, 12:00, 15:00, 18:00, and 20:00 for any foods consumed in the preceding duration.	Yes	3	Paper questionnaire	Children/adolescents 2-14 years old	2	14
Indonesia	Indonesia - 2016 - Developing Biomarkers of Exclusive Breastfeeding Practice - HBGD	Other: 12-h weighed food records combined with 12-h recall	Yes	3	Paper questionnaire	Lactating women	15	45
Iraq	Iraq - 1998/2000 - College of Medicine and Health Technology	24-hour recall	No		Paper questionnaire	Lactating women 18-38 years old	18	38
Kenya	Kenya - 2012 - London School of Hygiene/Kenyatta University	24-hour recall	No		Paper questionnaire	Children 6-23 months from Kitui County;Children 6-23 months from Vihiga County	0.5	1.9
Kenya	Kenya National Micronutrient Survey 2011	24-hour recall	Yes	2	Paper questionnaire	Preschool children [6-59 months];Women of reproductive age [15-49 years old]	0.5	49

Kenya	Kenya - 2012 - Bioversity INULA	24-hour recall	Yes	2	Paper questionnaire	Children 6-23 months;Mothers/caregivers 16-65 years	0.5	65
Kenya	Kenya - 2009/2010 - Jomo Kenyatta University of Agriculture and Technology	24-hour recall	No		Paper questionnaire	Children 4-11 years old	4	11
Kenya	Kenya - 2007/2008 - Wageningen University	24-hour recall	Yes	3	Paper questionnaire	Women of reproductive age having a child aged 2-5 years old	20	49
Kenya	Kenya - 2001/2002 - University of Bologna	24-hour recall	No		Paper questionnaire	Schoolchildren 5-17 years old	5	17
Kenya	Kenya - 1998 - Child Nutrition Project (CNP)	24-hour recall	Yes	3	Paper questionnaire	Schoolchildren	4	Not specified
Kenya	Kenya - University of Cape Town	24-hour recall	Yes	2	Paper questionnaire	Children 24-59 months old	2	5
Kenya	Kenya - 2009 - Washington University School of Medicine	24-hour recall	Yes	2	Paper questionnaire	Children 2-5 years old	2	5
Kenya	Kenya - 2018 - Improving access to and benefits from a wealth of diverse seeds to support on-farm biodiversity for healthy people in resilient landscapes: Baseline Survey	24-hour recall	Yes	2	Paper questionnaire	Women of reproductive age group (15 -59 years) ;Children aged 6 -49 months	0.5	49
Kenya	Kenya - 2014 - Plenty season - Humid Tropics Agrobiodiversity and Nutrition Project	24-hour recall	Yes	2	Paper questionnaire	Children aged 12 months - 36 months;Women caregivers of children	0.6	74
Kenya	Kenya - 2015 - Lean Season - Humid Tropics Agrobiodiversity and Nutrition Project	24-hour recall	Yes	2	Paper questionnaire	Children aged 12 months - 36 months;Women caregivers from households with young children aged 12 - 36 months	0.1	71
Kenya	Kenya - 2015 - Baseline - Humid Tropics Agrobiodiversity and Nutrition Project	24-hour recall	Yes	2	Paper questionnaire	Children under 5 years ;Women/caregivers of children under 5 years old	0	80
Kenya	Kenya - 2016: Innovative, participatory tools for dietary assessment and nutrition education in Turkana County – Diagnostic survey	24-hour recall	Yes	2	Paper questionnaire	Children under 5 years old;Women of reproductive age	0.5	52
Kenya	Maternal detailed dietary data collected from post-partum women in rural Kenya under the WASH Benefits Clinical Trial	24-hour recall	No		Electronic questionnaire	Post-partum women	Not specified	Not specified
Kenya	Contribution of locally processed fruits and vegetables towards sustainable nutrition in East Africa: studies from Kenya, Tanzania and Uganda	24-hour recall	Yes	2	Electronic questionnaire	Women of reproductive age between 15-49 years except pregnant women	15	49
Kiribati	Kiribati - 1981 - Kiribati Diabetes and Cardiovascular Disease Survey	24-hour recall	No		Paper questionnaire	Adults	20	Not specified
Lao People's Democratic Republic	National Food Consumption Survey Lao PDR 2016-2017	24-hour recall	Yes	2	Paper questionnaire	Infants 3-11 months;Toddlers 12-36 months;Children 3-5.9 years;Adolescents 6-14.9 years;Adults 15-49.9 years;Older adults: ≥50	0.3	89

						years;Pregnant women;Lactating women		
Lao People's Democratic Republic	Lao's People Democratic Republic - 2005 - Institut Francophone pour la Médecine Tropicale	24-hour recall	No		Paper questionnaire	Mothers of children <6 months	Not specified	Not specified
Lebanon	Early Life Nutrition and Health in Lebanon	24-hour recall	No		Paper questionnaire	Children 2-5 years old	2	5
Lebanon	Lebanon - 2005/2006 - American University of Beirut	24-hour recall	Yes	3	Paper questionnaire	Adolescents 17-19 years old	17	19
Lebanon	Lebanon - 1997/1998 - American University of Beirut	24-hour recall	No		Paper questionnaire	Non-pregnant women 15-49 years old	15	49
Lebanon	Lebanon - 1997 - American University of Beirut	24-hour recall	No		Paper questionnaire	Whole population	3	Not specified
Lebanon	Lebanon - 2003 - American University of Beirut	24-hour recall	No		Paper questionnaire	Non-pregnant non-lactating women 15-45 years old	15	45
Lebanon	Nutrition and Non-communicable Diseases Risk Factor	24-hour recall	No		Paper questionnaire	Adults > 18 years old	18	Not specified
Lebanon	Lebanon - 2011/2012 - American University of Beirut	24-hour recall	Yes	4	Paper questionnaire	Children 5-10 years old	5	10
Lebanon	Lebanon - 2015 - Saint-Joseph University of Beirut	24-hour recall	Yes	2	Paper questionnaire	Pregnant Lebanese women 18-40 years old	18	40
Lesotho	Lesotho - 2010 - University of the Free State	Other: Diet history method (24-h recall followed by FFQ).	No		Paper questionnaire	Adolescents aged 16 years old	16	16
Libya	Libya - 2008 - Newcastle University	Estimated food record	Yes	3	Paper questionnaire	Schoolchildren aged 12 years old	12	12
Libya	Libya - 2005/2007 - University of Giessen	Estimated food record	No		Paper questionnaire	Children 6-9 years old	6	9
Madagascar	NutriMad project	24-hour recall	No		Paper questionnaire	Children 0-18 months old	0	1.5
Malawi	Malawi - 2010 - DOSE trial	24-hour recall	Yes	2	Paper questionnaire	Healthy children aged 15 months	Not specified	Not specified
Malawi	Malawi - 1998 - University of Otago	24-hour recall	No		Paper questionnaire	Children 0 ± 24 months of age	Not specified	2
Malawi	Malawi - 2008 - Lilongwe University of Agriculture & Natural Resources	24-hour recall	No		Paper questionnaire	Children 1-6 years old;Mothers	1	Not specified
Malaysia	Malaysia - 2014 - Ministry of Health Malaysia	24-hour recall	No		Paper questionnaire	Adults (18-59 years old)	18	59
Malaysia	Malaysia Lipid Study 2012/2013	24-hour recall	Yes	3	Paper questionnaire	Adults 20-67 years old	20	67
Maldives	Maldives - 1997/1998 - University of Hohenheim	24-hour recall	No		Paper questionnaire	Mothers with children 12-59 months that were no longer breastfeeding, 18-48 years old;Children 12-59 months old	1	48
Mali	Mali - 2007 - University of Abomey Calavi/Wageningen University/Institute of Rural Economy	24-hour recall	Yes	2	Paper questionnaire	Non-pregnant non-lactating women	15	49
Marshall Islands	Marshall Islands - 2007 - John Hopkins University	24-hour recall	Yes	3	Paper questionnaire	Children 0-72 months	Not specified	6



Mexico	Mexican National Health and Nutrition Survey 2012	24-hour recall	Yes	2	Electronic questionnaire	Whole population	0	104
Mexico	Halfway National Health and Nutrition Survey 2016 (ENSANUT MC 2016)	24-hour recall	Yes	2	Electronic questionnaire	Preschool-aged children from 1 to 4 years old;School-aged children from 5 to 11 years old;Adolescents form 12 to 19 years old;Adults from 20 years and older	1	97
Montenegro	European Food Safety Authority programme with the subject “Support to National Dietary Surveys in Compliance with the EU Menu methodology (sixth support) - “The adults’ survey”, including subjects from 10 to 74 years old”	24-hour recall	No		Paper questionnaire	Adolescents (10-18 years old);Adults (18-65 years old);Elderly (65-74 years old);Pregnant women	10	74
Mozambique	Estudo do Estado Nutricional e da Dieta em Raparigas Adolescentes na Zambézia (ZANE)	24-hour recall	Yes	4	Paper questionnaire	Women 14-19 years old	14	19
Mozambique	Mozambique - 2006 - HarvestPlus	24-hour recall	Yes	2	Paper questionnaire	Children 6-36 months years old;Mothers 15-49 years old (non-pregnant non-lactating; pregnant; lactating; pregnant and lactating women)	0.5	49
Mozambique	Towards Sustainable Nutrition Improvement in Rural Mozambique (TSNI) - Baseline survey	24-hour recall	No		Paper questionnaire	Children 6-38 months old	0.5	3
Myanmar	Myanmar - 2003/2005 - Department of Medical Research (Lower Myanmar)	Other: Combined food diary and 24-h recall	Yes	3	Paper questionnaire	Whole population	2	93
Nepal	Nepal - 2008/2009 - University of Bergen	24-hour recall	Yes	3	Paper questionnaire	Pregnant women	17	44
Nepal	Nepal - 1989 - Mukogawa Women’s University	24-hour recall	No		Paper questionnaire	Nepalese 10-68 years old	10	68
Nepal	Nepal - 2000/2001 - University of Bergen	24-hour recall	Yes	2	Paper questionnaire	Non-pregnant women 13-35 years old	13	35
Niger	Niger - 2019 - Republique du Niger, Institut National de la Statistique Niger, HC3N	24-hour recall	Yes	Not specified	Paper questionnaire	Children 6-23 months old;Children 24-59 months old;Adolescent boys 10-18 years old;Adolescent girls 10-18 years old;Women 19-49 years old	Not specified	Not specified
Nigeria	Nigeria - 1995 - Federal University of Agriculture, Abeokuta	24-hour recall	Yes	3	Paper questionnaire	Market women	19	66
Nigeria	Nigeria - Federal University of Agriculture, Abeokuta	24-hour recall	Yes	3	Paper questionnaire	Adolescents 10-19 years old	10	19
Nigeria	Nigeria - 2011 - HarvestPlus	24-hour recall	Yes	2	Paper questionnaire	Women of childbearing age 18–49 years old ;Children 6–59 months of age	0.5	49
Nigeria	Nigeria - 2007 - Ambrose Alli University	24-hour recall	No		Paper questionnaire	Primary school children aged 7-12 years	7	12

Nigeria	Nigeria - 2001/2003 - International Institute of Tropical Agriculture	24-hour recall	No		Paper questionnaire	Children 2-5 years old	2	5
Nigeria	Food consumption and nutritional status of health workers in Ogun state	24-hour recall	Yes	2	Paper questionnaire	Health workers	18	60
Nigeria	Nigeria - 2021 - National Food Consumption and Nutrition Survey	24-hour recall	Yes	Not specified	Electronic questionnaire	Women of reproductive age (15-49 years old);Children (6-23 months old);Children (2-5 years old)	2	49
Pakistan	Women First Dietary Recall Data: Thatta, Pakistan 2014/2016	24-hour recall	Yes	2	Paper questionnaire	1st trimester pregnant women	16	35
Pakistan	Pakistan - 2008/2009 - University of Tübingen	24-hour recall	Yes	3	Paper questionnaire	Healthy elderly men	50	98
Pakistan	Study of Environmental Enteropathy and Malnutrition in Pakistan (SEEM-Pakistan) Protocol	24-hour recall	Yes	20	Paper questionnaire	Infant children 0 to 1 year	0	1
Pakistan	ADOLESCENT HEALTH, NUTRITION AND WELL-BEING SURVEY IN TANDO MUHAMMAD KHAN (TMK) DISTRICT, SINDH	24-hour recall	No		Paper questionnaire	Adolescents age limit 10-19 years female;Adolescents age limit 10-19 years male	10	19
Panama	Panama - 2003 - ProPAN	24-hour recall	Yes	2	Paper questionnaire	Children 6-23 months old	0.5	2
Panama	Panama - 2009 - ProPAN	24-hour recall	Yes	2	Paper questionnaire	Children 6-24 months	0.5	2
Papua New Guinea	Papua New Guinea - 2010/2011 - National institute of Health and Nutrition, Tokyo	24-hour recall	No		Paper questionnaire	Children 6-59 months old;Mothers	0.5	Not specified
Peru	Peru - 2004/2005 - National Survey on Nutritional, Biochemical, Socioeconomic Indicators Related to Chronic Degenerative Diseases	24-hour recall	Yes	2	Paper questionnaire	Men and women > 20 years old	20	Not specified
Peru	Peru - 2003 - National Food Consumption Survey for Fertile Women and 12 to 35 Month Old Children	24-hour recall	No		Paper questionnaire	Women of reproductive age 15-49 years;Children 12-35 months old	1	49
Peru	Peru - 2015 - Latin American Study of Nutrition and Health / Estudio Latinoamericano de Nutrición y Salud (ELANS)	24-hour recall	Yes	2	Paper questionnaire	Adults 15-65 years old	15	65
Peru	Vigilancia Alimentaria y Nutricional por etapas de vida – VIANEV - niños menores de 36 meses - 2015	24-hour recall	Yes	2	Paper questionnaire	Niños menores de 36 meses	0	2
Philippines	6th Philippines National Nutrition Survey (NNS) - 2003 - Dietary component (lactating women) - DOST-FNRI	24-hour recall	Yes	2	Paper questionnaire	Lactating women	15	47
Philippines	8th Philippines National Nutrition Survey (NNS) - 2013 - Dietary component - DOST-FNRI	24-hour recall	Yes	2	Paper questionnaire	Whole population	0.5	101
Philippines	7th Philippines National Nutrition Survey (NNS) - 2008 - Dietary component - DOST-FNRI	24-hour recall	Yes	2	Paper questionnaire	Whole population	0.5	110

Philippines	Philippines - 2002 - Cebu Longitudinal Health and Nutrition Survey (CLHNS) <sup>1</sup>	24-hour recall	Yes	2	Paper questionnaire	Children enrolled at Baseline born between May 1, 1983- April 30, 1984 (birth cohort), which are already adults;Mothers of children enrolled at Baseline	25	58
Philippines	Philippines - 1994 - Cebu Longitudinal Health and Nutrition Survey (CLHNS) <sup>1</sup>	24-hour recall	No		Paper questionnaire	Children enrolled at Baseline born between May 1, 1983- April 30, 1984 (birth cohort), including their twins or younger sibling. ;Mothers of children enrolled at Baseline	10	47
Philippines	Philippines - 1998 - Cebu Longitudinal Health and Nutrition Survey (CLHNS) <sup>1</sup>	24-hour recall	Yes	2	Paper questionnaire	Children enrolled at Baseline born between May 1, 1983- April 30, 1984 (birth cohort);Mothers of children enrolled at Baseline	14	55
Philippines	Philippines - 2012 - Cebu Longitudinal Health and Nutrition Survey (CLHNS) <sup>1</sup>	24-hour recall	Yes	2	Paper questionnaire	Adult women	43	75
Philippines	Philippines - 2015 - Cebu Longitudinal Health and Nutrition Survey (CLHNS) <sup>1</sup>	24-hour recall	Yes	2	Paper questionnaire	Mothers enrolled at Baseline	45	78
Philippines	Philippines - 1983 - 1986 - Cebu Longitudinal Health and Nutrition Survey (CLHNS) <sup>1</sup>	24-hour recall	Yes	Not specified	Paper questionnaire	Children enrolled at Baseline born between May 1, 1983- April 30, 1984 (birth cohort);Mothers of children enrolled at Baseline	0	48
Philippines	Philippines - 2005 - Cebu Longitudinal Health and Nutrition Survey (CLHNS) <sup>1</sup>	24-hour recall	Yes	2	Paper questionnaire	Children enrolled at Baseline born between May 1, 1983- April 30, 1984 (birth cohort), which are already adults;Mothers of children enrolled at Baseline	21	62
Romania	Romania - 2012 - DIETA PILOT Adults Study	Estimated food record	Yes	7	Paper questionnaire	Adults 19-92 years old	19	92
Romania	Romania - 2012 - DIETA PILOT Children Study	24-hour recall	No		Paper questionnaire	Children	3	18
Russian Federation	Russian Federation - 1995/2014 - Russian Longitudinal Monitoring Survey (Phase II)	24-hour recall	No		Paper questionnaire	Whole population	Not specified	Not specified
Russian Federation	Russian Federation - 2001 - The State Research Center for Preventive Medicine of the Ministry of Health of the Russian Federation/Institute of Nutrition of the Russian Academy of Medical Sciences	24-hour recall	No		Paper questionnaire	Women non-pregnant non-lactating	19	64
Russian Federation	Russian Federation - 2006 - Institute of Nutrition, Russian Academy of Medical Sciences (RAMS)	24-hour recall	Yes	2	Paper questionnaire	Children 2-24 months old	0.2	2
Russian Federation	Russian Federation - Saratov State Medical University	24-hour recall	No		Paper questionnaire	Schoolchildren 7-14 years old;Adolescents 15-17 years old	7	17

<sup>1</sup> The Philippines CEBU surveys were considered as one longitudinal survey in the Results Section.

Russian Federation	Russian Federation - 1992/1994 - Russian Longitudinal Monitoring Survey (Phase I)	24-hour recall	No		Electronic questionnaire	Whole population	Not specified	Not specified
Rwanda	Rwanda - 2010/2011 - Food and Nutrition Survey	24-hour recall	Yes	2	Paper questionnaire	Women 15-44 years;Children 6-59 months	0.5	44
Samoa	Samoa - 1990 - Hawaii Department of Health	24-hour recall	No		Paper questionnaire	Adults 25 to 55 years	25	55
Sao Tome and Principe	Nutritional adequacy in undernourished children from 6 to 59 months of age, in Cantagalo, São Tomé e Príncipe	24-hour recall	No		Paper questionnaire	Children from 6 to 59 months of age	0.5	5
Serbia	Serbia - 2014/2015 - University of Belgrade	24-hour recall	Yes	3	Paper questionnaire	Healthy women aged 18-49 years old	18	49
Serbia	Kosovo - 2010/2011 - University of Kassel	Other: Weighted dietary record for the food eaten in the kindergarten; estimated food record form and a combined 24-h recall and dietary history form completed by parents with data on food consumption at home.	Yes	3	Paper questionnaire	Children 12-83 months that were registered and attended the selected kindergarten	1	7
Solomon Islands	Solomon Islands - 2005 - University of California	24-hour recall	Yes	Not specified	Paper questionnaire	Adults > 15 years old	15	Not specified
South Africa	South Africa - 1999 - National Food Consumption Survey (NFCS)	24-hour recall	No		Paper questionnaire	Children 1-9 years old	1	9
Sri Lanka	Sri Lanka - 2006 - University of Colombo	24-hour recall	No		Paper questionnaire	Healthy adults ≥18 years old	18	Not specified
Sri Lanka	Dietary Intakes of Sri Lankan Children 6-14 years	24-hour recall	No		Paper questionnaire	Children aged 6-14y	6	14
Sudan	Sudan - 2006 - London Metropolitan University	24-hour recall	No		Paper questionnaire	Healthy non-pregnant, pregnant and lactating women 18-42 years	18	42
Tajikistan	Tajikistan - 2000/2005 - Kazakh Academy of Nutrition	24-hour recall	Yes	2	Paper questionnaire	Mothers-singletons 18-45 years	18	45
Thailand	Thailand - 2011 - SEANUTS	24-hour recall	No		Electronic questionnaire	Children 0.5-12 years old	0.5	12
Thailand	Thailand - 2008/2009 - Bureau of Nutrition, Department of Health, Ministry of Public Health	24-hour recall	No		Paper questionnaire	Whole population	1	Not specified
Tunisia	Tunisia - 2011 - National Institute of Public Health	Weighted food record	Yes	7	Paper questionnaire	Healthy women;Obese women	29	50
Tunisia	Understanding the Nutritional Transition in the Maghreb to Contribute	Estimated food record	Yes	3	Paper questionnaire	Adolescent [10-20y[: Male;Adolescent [10-20y[:	10	49

	to the Prevention of Obesity and Non-communicable Diseases. 2009-2010					Female;Adult [20-50y[: Male;Adult [20-50y[: Female		
Tunisia	Tunisian National Nutrition Survey 1996-1997: Assessment of the nutritional status of the Tunisian population	Estimated food record	Yes	3	Paper questionnaire	Children [2-6y[: Male;Children [2-6y[: Female;Children [6-10y[: Male;Children [6-10y[: Female;Adolescent [10-20y[: Male;Adolescent [10-20y[: Female;Adolescent [10-20y[: Pregnant;Adolescent [10-20y[: Lactating;Adult [20-60y[: Male;Adult [20-60y[: Female;Adult [20-60y[: Pregnant;Adult [20-60y[:Lactating;Adults aged over 60 y: Male;Adults aged over 60 y: Female	2	75
Uganda	HarvestPlus Reaching End Users (REU) Orange-Fleshed Sweet Potato (OFSP) Project	24-hour recall	Yes	2	Paper questionnaire	Women of reproductive age	13	82
Uganda	The 2008 Uganda Food Consumption Survey	24-hour recall	Yes	2	Paper questionnaire	Women 15-49 years-old;Women with children 24-59 months;Women with children 6-23 months old	0.5	59
Uganda	Uganda - 2006 - Makerere University	24-hour recall	Yes	3	Paper questionnaire	Adolescents girls (11-14 years old)	11	14
Uganda	Contribution of locally processed fruits and vegetables towards sustainable nutrition in East Africa: studies from Kenya, Tanzania and Uganda	24-hour recall	Yes	2	Electronic questionnaire	Women of reproductive age between 15-49 years except pregnant women	15	49
Ukraine	Ukraine - 2012/2013 - State Research Center for Food Hygiene, Ministry of Health	24-hour recall	No		Paper questionnaire	Adults 25-65 years	25	65
United Republic of Tanzania	United Republic of Tanzania - 2013 - Ghent University	24-hour recall	No		Paper questionnaire	Children 0-11 months old	Not specified	1
United Republic of Tanzania	Scale-N Nutrition Survey 2016	24-hour recall	No		Paper questionnaire	Mothers/caregivers;Children	5	75
United Republic of Tanzania	Tanzania - 2009 - McGill University	24-hour recall	Yes	2	Paper questionnaire	Mothers;Children 2-5 years	2	Not specified
United Republic of Tanzania	Contribution of locally processed fruits and vegetables towards sustainable nutrition in East Africa: studies from Kenya, Tanzania and Uganda	24-hour recall	Yes	2	Electronic questionnaire	Women of reproductive age between 15-49 years except pregnant women	15	49
Vanuatu	Vanuatu - 1985 - South Pacific Commission/WHO	24-hour recall	No		Paper questionnaire	Pregnant or lactating women;Males	20	Not specified
Venezuela (Bolivarian Republic of)	Venezuela - 2015 - Latin American Study of Nutrition and Health / Estudio Latinoamericano de Nutrición y Salud (ELANS)	24-hour recall	Yes	2	Paper questionnaire	Adults 15-65 years old	15	65

Venezuela (Bolivarian Republic of)	Venezuela - 1999/2000 - Centro de Atención Nutricional Infantil Antimano	24-hour recall	No		Paper questionnaire	Health children < 10 years;Children < 10 years with mild malnutrition	Not specified	10
Venezuela (Bolivarian Republic of)	Venezuela - 2002 - CEINUT, Universidad de Carabobo	24-hour recall	No		Paper questionnaire	Children 4-7 years old	4	7
Venezuela (Bolivarian Republic of)	Venezuela - 1998/1999 - CEINUT, Universidad de Carabobo	24-hour recall	Yes	3	Paper questionnaire	Children 4-14 years old	4	14
Venezuela (Bolivarian Republic of)	Venezuela - 2013 - Encuesta Nacional de Consumo de Alimentos (ENCA)	24-hour recall	No		Paper questionnaire	General population above 3 years old	3	Not specified
Vietnam	Vietnam - 2014 - Bioversity	24-hour recall	Yes	2	Paper questionnaire	Women of reproductive age	15	59
Vietnam	Vietnam - 2011 - SEANUTS	24-hour recall	No		Paper questionnaire	Children 0.5-11 years old	0.5	11
Vietnam	Vietnam - Japan Women's University	24-hour recall	Yes	3	Paper questionnaire	Women 30-39 years old	30	39
Vietnam	Vietnam - 2006 - Institute of Tropical Medicine, Antwerp	24-hour recall	No		Paper questionnaire	Adolescents	15	17
Vietnam	Vietnam - 1999 - Japan Women's University	24-hour recall	Yes	3	Paper questionnaire	Primary school girls 7-9 years old	7	9
Vietnam	South East Asian Nutrition Survey II (SEANUTS II) in Vietnam: Nutrition survey of Vietnamese children aged 0.5 to 11 years old	24-hour recall	No		Paper questionnaire	Children aged from 0.5 to 11 years old	0.5	11
Vietnam	Vietnam 2019 General Nutrition Survey	24-hour recall	Yes	Not specified	Electronic questionnaire	Not specified	15	49
West Bank and Gaza Strip	West Bank and Gaza Strip - 2002 - Al-Quds University/Johns Hopkins Bloomberg School of Public Health	24-hour recall	No		Paper questionnaire	Children 13-59 months old;Non-pregnant mothers 15-49 years old	1	49
West Bank and Gaza Strip	West Bank and Gaza Strip - 2003 - Al-Quds University/Johns Hopkins Bloomberg School of Public Health	24-hour recall	No		Paper questionnaire	Children 12-59 months old	1	5
Zambia	Zambia - 2008 - Zambian National Food and Nutrition Commission	24-hour recall	Yes	2	Paper questionnaire	Women in reproductive age (15-49 years);Children 6-59 months	0.5	49
Zambia	The 2009 Food consumption and Vitamin A status survey in Zambia	24-hour recall	Yes	2	Paper questionnaire	Children 2-5 years;Children 6-24 months;Women of child-bearing age 16-70 years old	0.1	70
Zambia	Zambia - 2012/2013 - Johns Hopkins University	24-hour recall	Yes	7	Electronic questionnaire	Children 4-8 years not yet enrolled in school	4	8
Zambia	Zambia - 2012 - University of Wisconsin	24-hour recall	Yes	9	Paper questionnaire	Children 57-88 months not enrolled in school.	4.7	7.3
Zambia	Minimum Dietary Diversity validation study using weighed food records among women of reproductive age in rural Zambia	24-hour recall	No		Paper questionnaire	Mothers of children aged 6-59 months	Not specified	Not specified
Zambia	Zambia Food Consumption and Nutrition Survey 2012	24-hour recall	Yes	2	Paper questionnaire	children 6-59 months;women 15-49 years	0.5	49
Zambia	Zambia Food Consumption and Micronutrient Survey for 2020	24-hour recall	Yes	3	Paper questionnaire	Children 6-59 months (6-23 months and 24-59 months);Adolescent girls 10-14 years;Women of reproductive	0	49

						age 15-49 years (including pregnant and lactating women)		
Zimbabwe	Zimbabwe - 2003 - McMaster University	24-hour recall	Yes	Not specified	Paper questionnaire	Adults	34	93