

# THE PREVALENCE OF CHILD UNDERWEIGHT, WASTING AND STUNTING BY REGION

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A meta-analysis of epidemiological data from 63 LMIC countries (1993-2012)

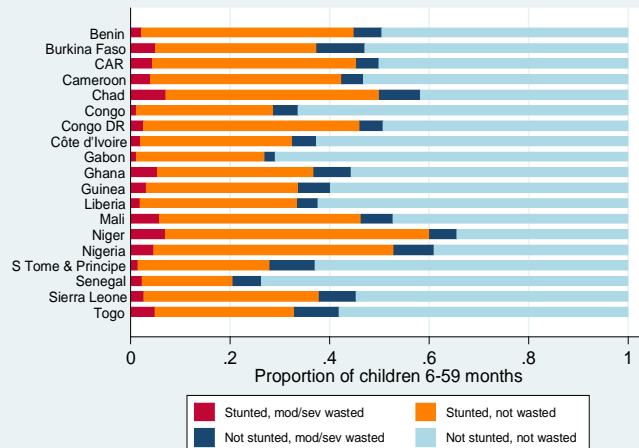
Dr Aluisio Barros, Pelotas, Brazil

# Very Low Weight infants and children

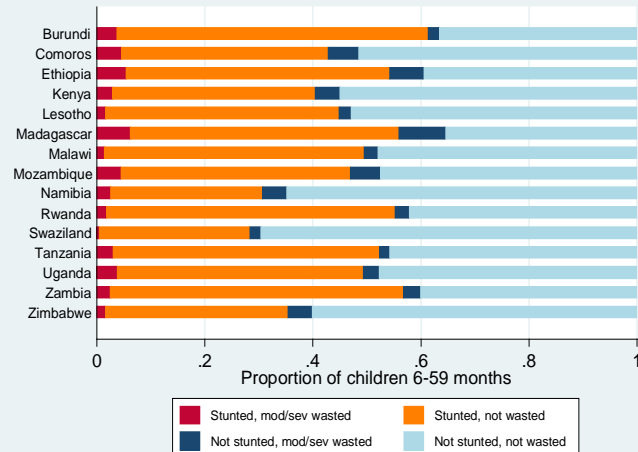
- Between 0.4-18.6% of children (6-59m) would be classified as Very Low Weight i.e.  $WFA > -3SD$ .
  - Bangladesh 14.1%,
  - Chad 15.7%,
  - Timor Leste 16%,
  - Niger 16.3%,
  - India 18.6%.

# All children 6-59 months

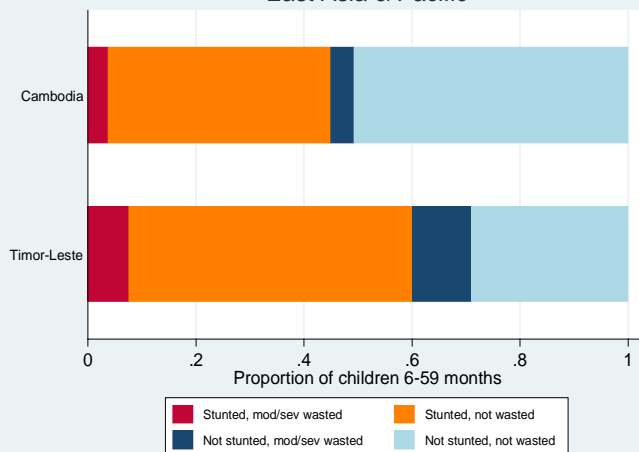
## West & Central Africa



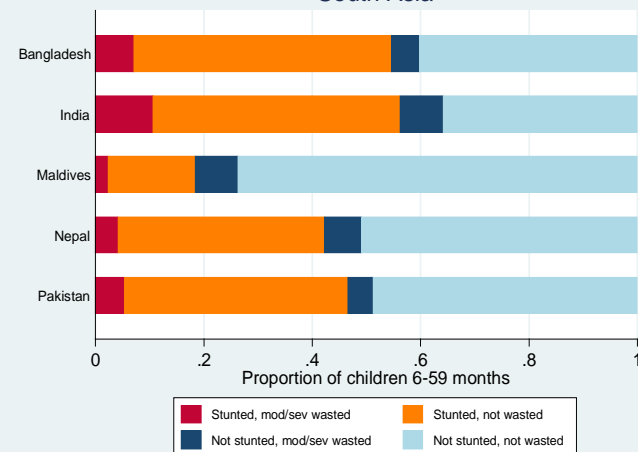
## Eastern & Southern Africa



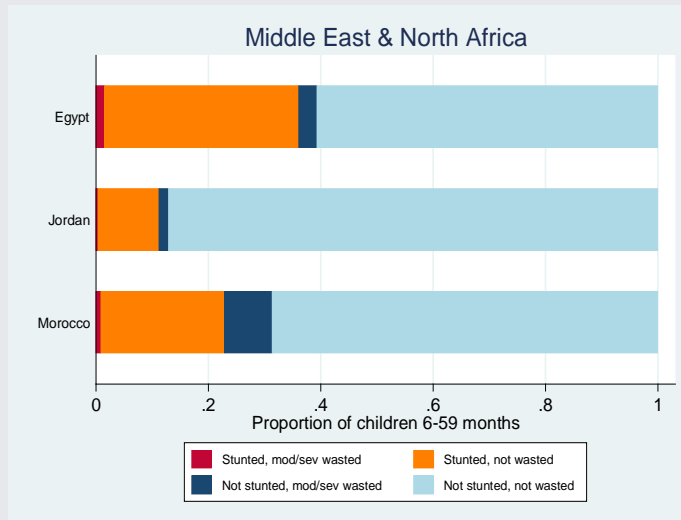
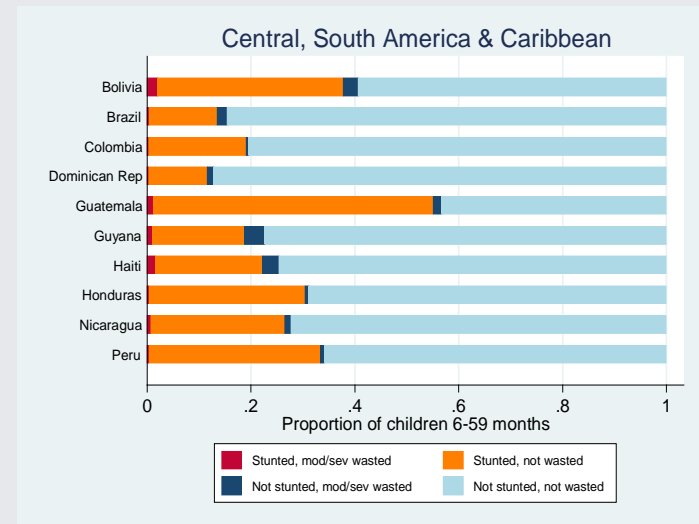
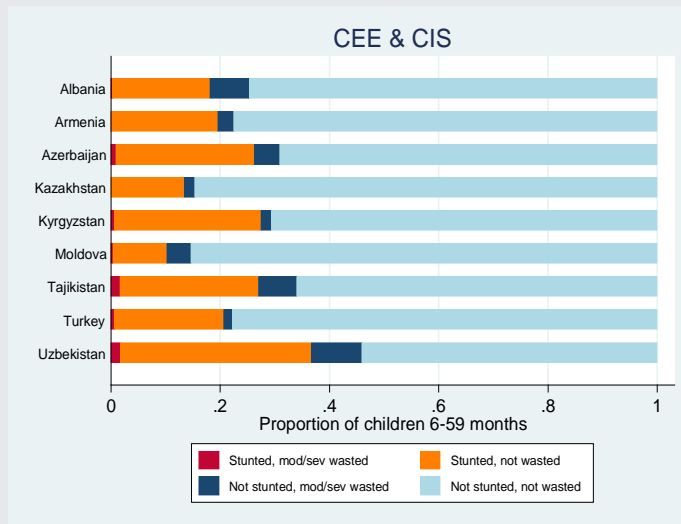
## East Asia & Pacific



## South Asia



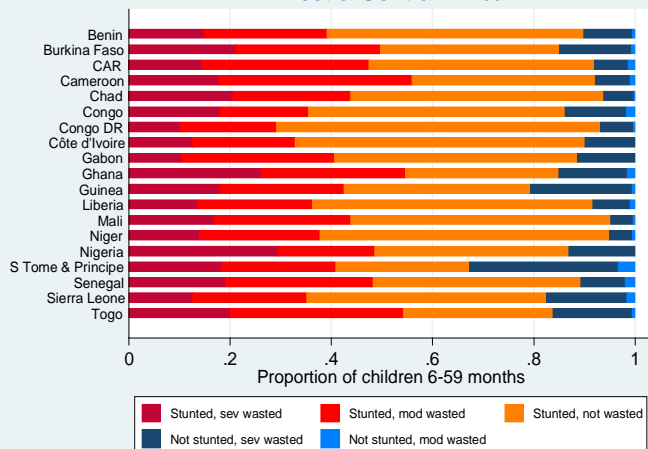
# All children 6-59 months



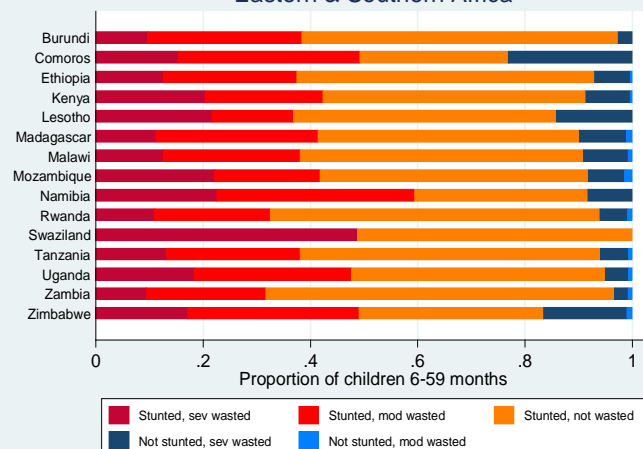
- High levels of under-nutrition, both wasting and stunting in African and Asian regions
- Little wasting in CEE, CIS, Americas and North Africa/ME. But stunting common.

# VLW children 6-59 months

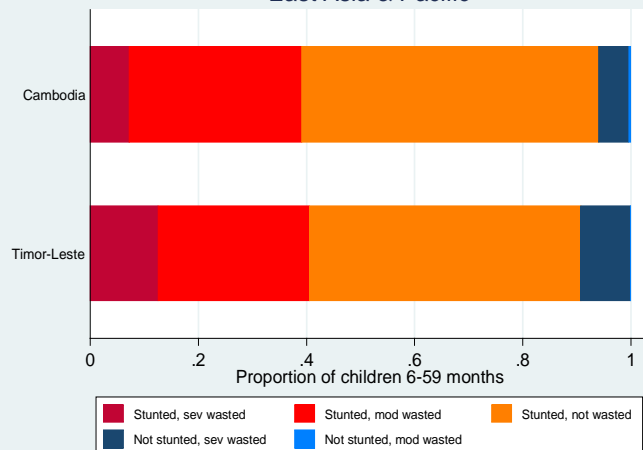
West & Central Africa



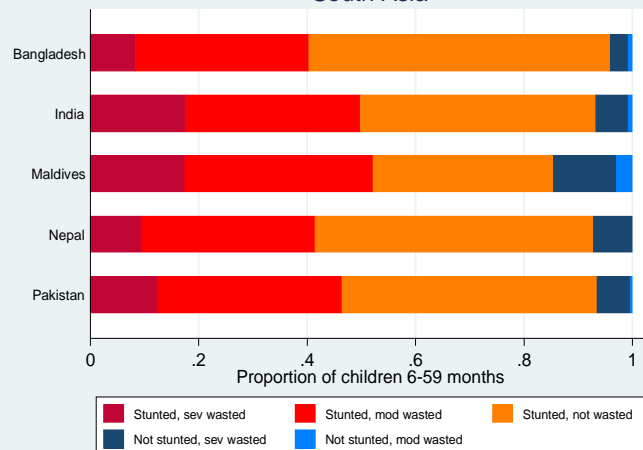
Eastern & Southern Africa



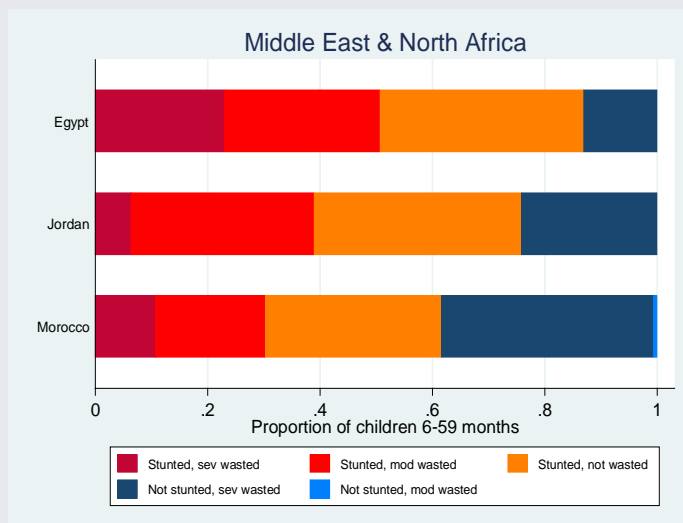
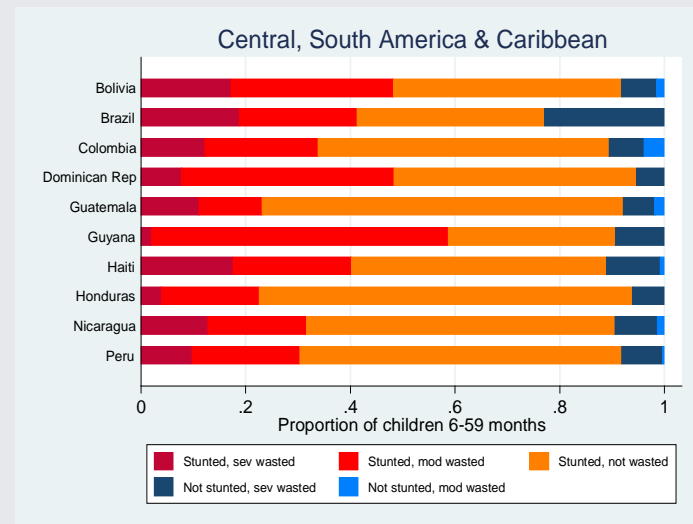
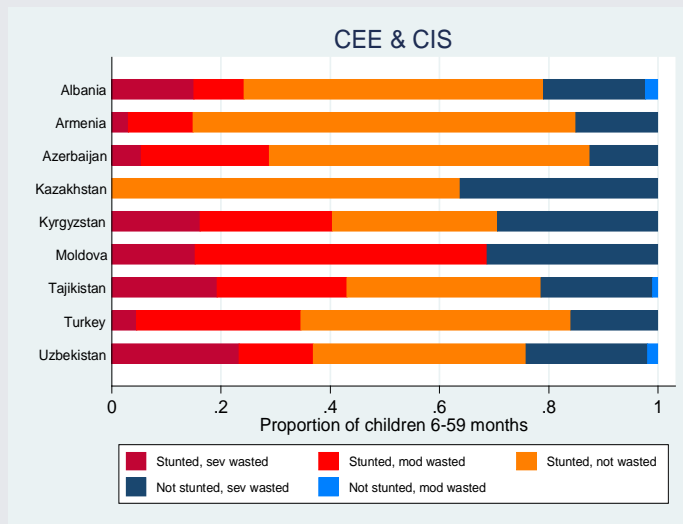
East Asia & Pacific



South Asia



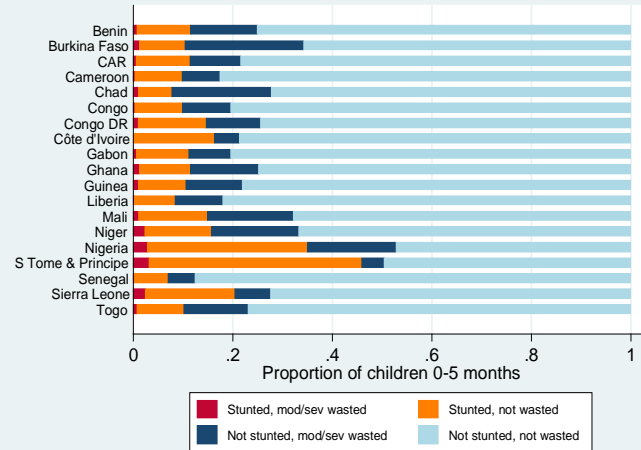
# VLW children 6-59 months



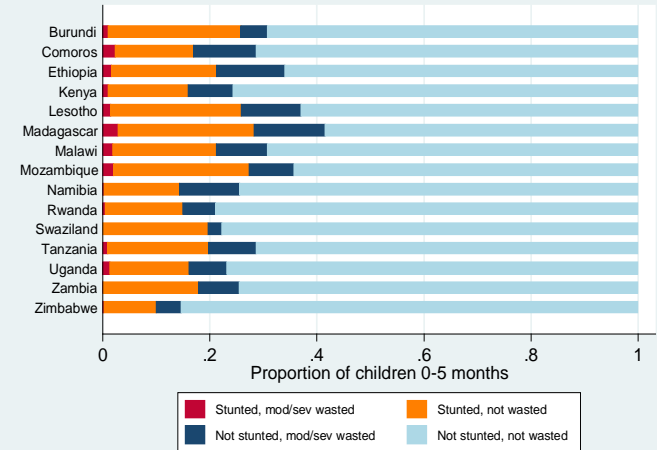
- In African and Asian regions, stunting and wasting common in VLW children
- In CEE, CIS, Americas and North Africa/ME, wasting and stunting also present in VLW children

# All infants 0-6 m

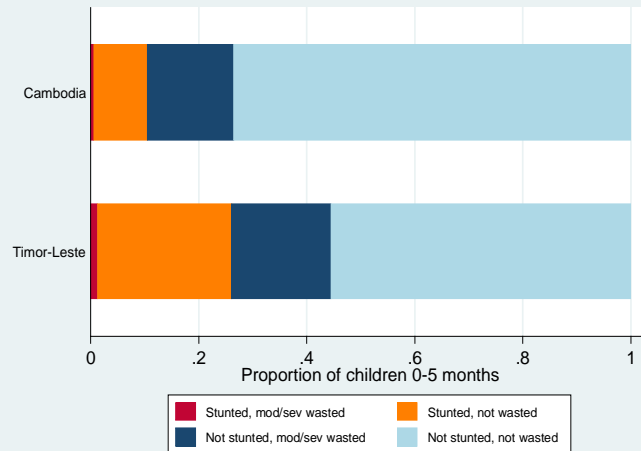
## West & Central Africa



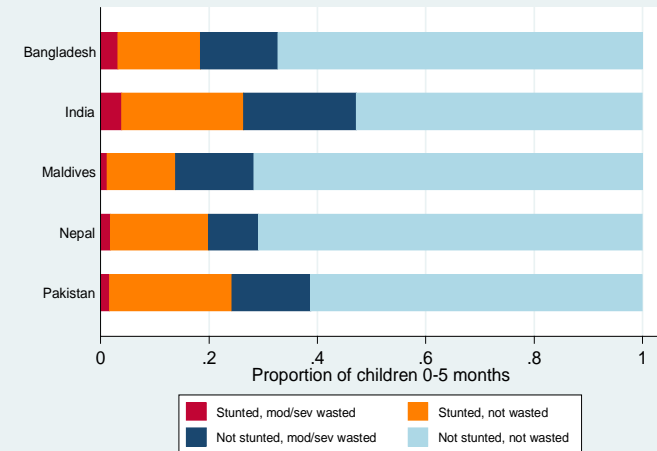
## Eastern & Southern Africa



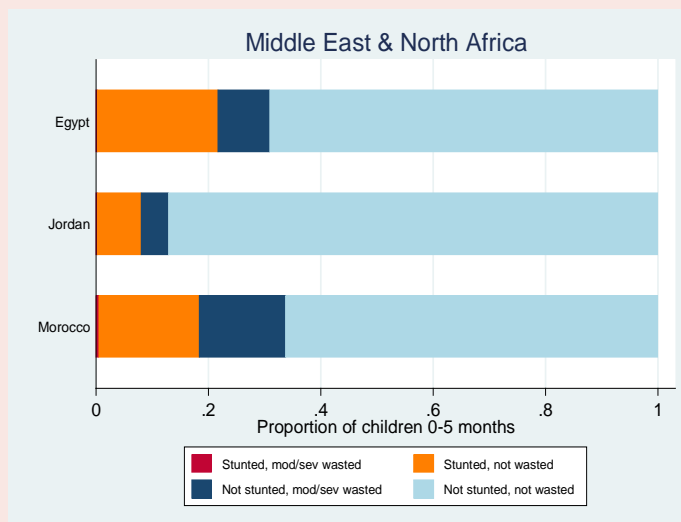
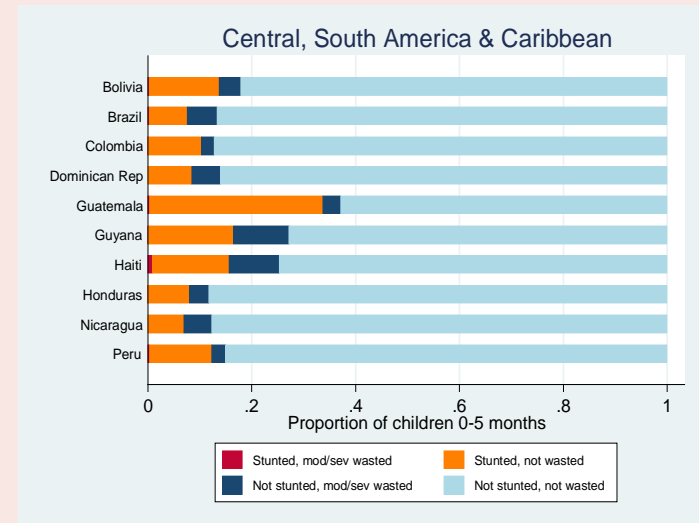
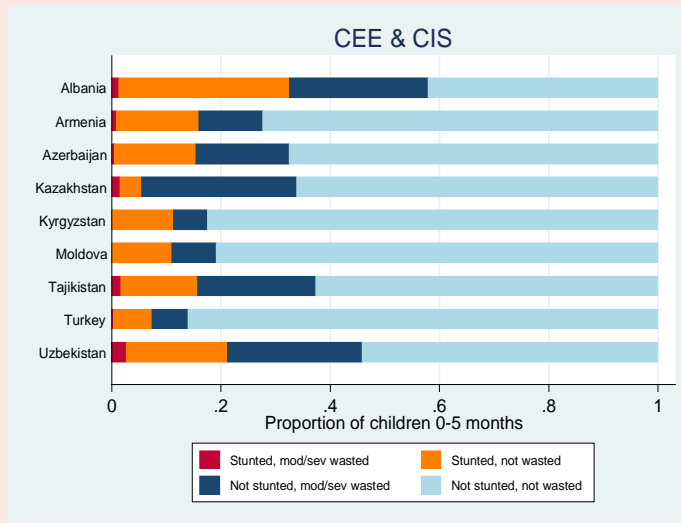
## East Asia & Pacific



## South Asia



# All infants 0-6 m

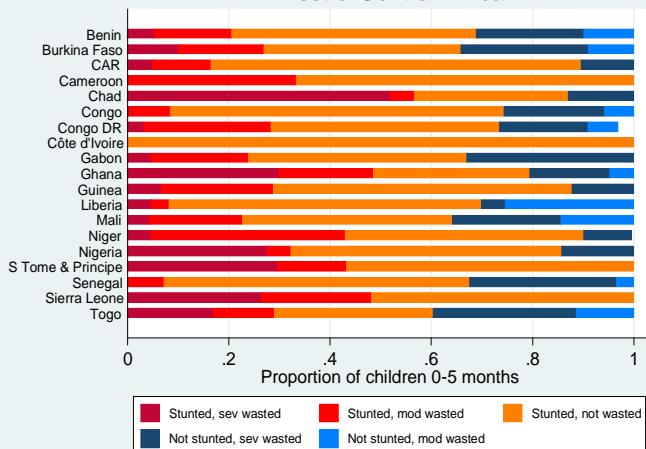


- Significant under-nutrition in CEE, CIS.
- Less in Americas and North Africa/ME and almost no wasting among young infants. Short length not uncommon
- Wasting and short length both common in African and Asia regions

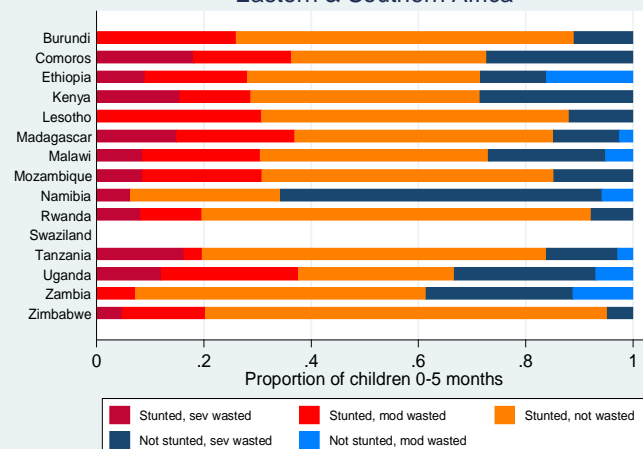


# VLW infants 0-6 m

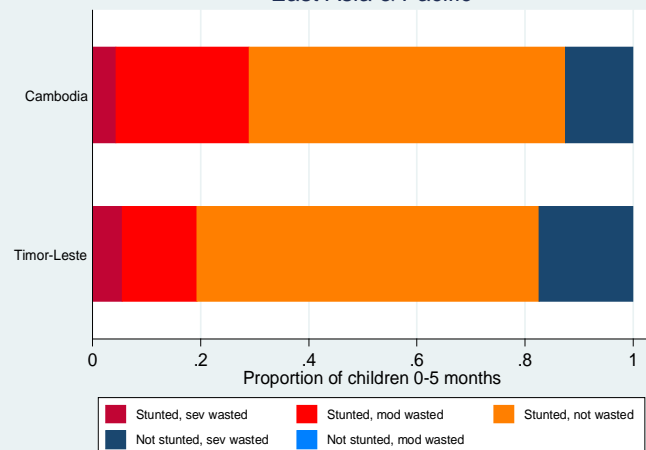
West & Central Africa



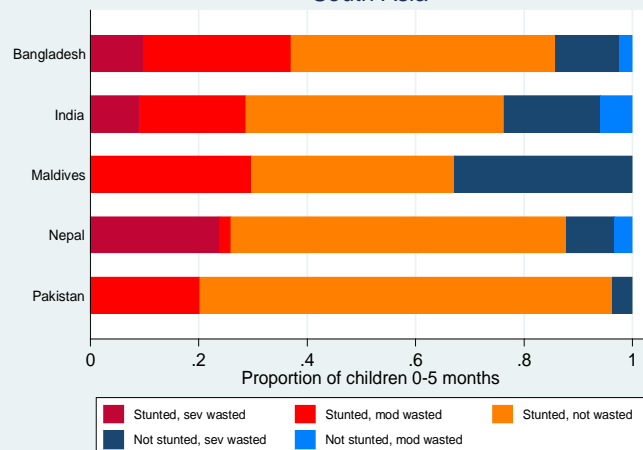
Eastern & Southern Africa



East Asia & Pacific

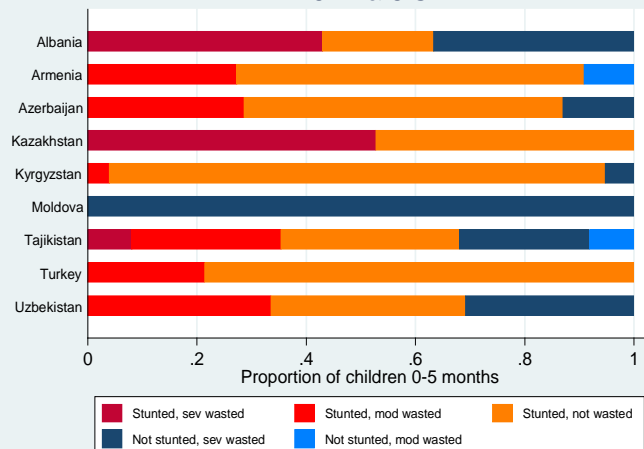


South Asia

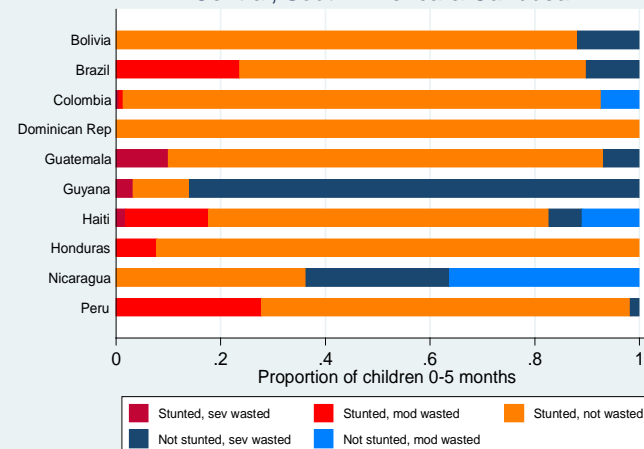


# VLW infants 0-6 m

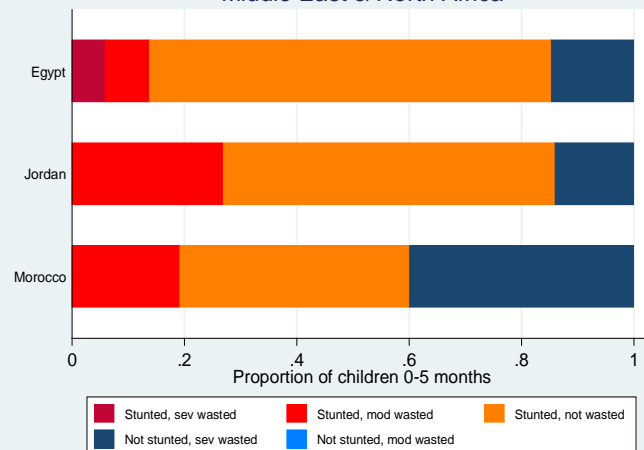
CEE & CIS



Central, South America & Caribbean



Middle East & North Africa



- Among VLW infants, significant wasting in all regions except Central, South America and the Caribbean

# Summary

- The proportion who are VLW and also wasted varied by region.
- In Central, South American and Caribbean countries, fewer children were concurrently wasted whereas the proportions in the African regions and South Asia were substantial.
- Many children with Very Low Weight-for-age in all regions are also stunted.
- Among all VLW children, 50% (median) were wasted.
- Among VLW children who are stunted, 40% (median) were also wasted.

# The risk of death associated with anthropometric deficits



## The effect of multiple anthropometric deficits on child mortality: meta-analysis of individual data in 10 prospective studies from developing countries<sup>1-3</sup>

Christine M McDonald, Bironke Olofin, Seth Flaxman, Wafae W Fawzi, Donna Spiegelman, Laura E Caulfield, Robert E Black, Majid Ezzati, and Goodarz Danaei for the Nutrition Impact Model Study

### ABSTRACT

**Background:** Child stunting, wasting, and underweight have been individually associated with increased mortality. However, there has not been an analysis of the mortality risk associated with multiple anthropometric deficits.

**Objective:** The objective was to quantify the association between combinations of stunting, wasting, and underweight and mortality among children <5 y of age.

**Design:** We analyzed data from 10 cohort studies or randomized trials in low- and middle-income countries in Africa, Asia, and Latin America with 537,677 participants and 1306 deaths. Height-for-age, weight-for-height, and weight-for-age were calculated by using the 2006 WHO growth standards, and children were classified into 7 mutually exclusive combinations: no deficits; stunted only; wasted only; underweight only; stunted and underweight but not wasted; wasted and underweight but not stunted; and stunted, wasted, and underweight (deficit defined as  $< -2$  z scores). We calculated study-specific mortality HRs using Cox proportional hazards models and used a random-effects model to pool HRs across studies.

**Results:** The risk of all-cause mortality was elevated among children with 1, 2, and 3 anthropometric deficits. In comparison with children with no deficits, the mortality HRs were 3.4 (95% CI: 2.6, 4.3) among children who were stunted and underweight but not wasted; 4.7 (95% CI: 3.1, 7.1) in those who were wasted and underweight but not stunted; and 12.3 (95% CI: 7.7, 19.6) in those who were stunted, wasted, and underweight.

**Conclusion:** Children with multiple deficits are at a heightened risk of mortality and may benefit most from nutrition and other child survival interventions. *Am J Clin Nutr* 2013;97:896–901.

### INTRODUCTION

Restricted growth as a result of inadequate nutrition and infections, measured by using anthropometric status, is an important cause of morbidity and mortality in infants and children (1–4). Many studies have reported associations of stunting (low height-for-age), wasting (low weight-for-height), and underweight (low weight-for-age) with mortality (2, 4, 5), and these anthropometric deficits are estimated to individually account for, respectively, 14.5%, 14.6%, and 19.6% of deaths and 12.6%, 14.8%, and 18.7% of disability-adjusted life-years lost in children <5 y of age (2). However, estimates of the effects of individual anthropometric indicators overlook the

fact that multiple deficits may occur simultaneously, especially because all deficits are associated with poverty, disease history, and poor dietary intake (6, 7). The association between simultaneous multiple anthropometric deficits and the risk of mortality has not yet been analyzed in prospective studies, partly because it requires a large sample size that has not yet been available. Therefore, it is unclear how multiple anthropometric deficits amplify the risk of mortality and which combination is associated with the greatest risk. We quantified the association between multiple anthropometric deficits and all-cause mortality among children <5 y of age using data from 10 large cohort studies and randomized trials in 10 low- and middle-income countries.

### SUBJECTS AND METHODS

#### Study selection

We contacted the principal investigators of all studies that were included in the systematic review of child undernutrition and mortality in the 2004 *WHO Comparative Quantification of Health Risks* (8) and the 2008 *Lancet Series on Maternal and Child Undernutrition* (2) to request child-level data for this analysis. All studies were large prospective cohort studies or follow-ups of randomized trials of vitamin A supplementation that performed anthropometric measurements and assessed the vital status of

<sup>1</sup>From the Departments of Nutrition (CMM and WWF), Epidemiology (CMM), WFP, USA, and GHD, Global Health and Population (WWF and CD), and Biostatistics (DSS), Harvard School of Public Health, Boston, MA; the School of Computer Science and Heinz College, Carnegie Mellon University, Pittsburgh, PA (SP); the Department of International Health, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD (JEC and EBB); and the MRC-HPA Center for Environmental Health, Department of Epidemiology and Biostatistics, School of Public Health, Imperial College London, London, United Kingdom (ME).

<sup>2</sup>Supported by the Bill & Melinda Gates Foundation, UK Medical Research Council, National Institute for Health Research Comprehensive Biomedical Research Centre at Imperial College London, and Imperial College Healthcare NHS Trust.

<sup>3</sup>Address correspondence and reprint requests to G Danaei, Department of Global Health and Population, Harvard School of Public Health, 655 Huntington Avenue, Boston, MA 02115. E-mail: gdanaei@hsph.harvard.edu. Received July 19, 2012. Accepted for publication December 21, 2012. First published online February 20, 2013; doi: 10.3945/ajcn.112.047639.

# Methods

**Design:** We analyzed data from 10 cohort studies or randomized trials in low- and middle-income countries in Africa, Asia, and Latin America with 53,767 participants and 1306 deaths. Height-for-age, weight-for-height, and weight-for-age were calculated by using the 2006 WHO growth standards, and children were classified into 7 mutually exclusive combinations: no deficits; stunted only; wasted only; underweight only; stunted and underweight but not wasted; wasted and underweight but not stunted; and stunted, wasted, and underweight (deficit defined as  $< -2$   $z$  scores). We calculated study-specific mortality HRs using Cox proportional hazards models and used a random-effects model to pool HRs across studies.

# Findings

**TABLE 4**  
Stratified meta-analysis of multiple anthropometric deficits and mortality<sup>1</sup>

	Not stunted, wasted, or underweight ( <i>n</i> = 375)	Stunted and underweight but not wasted ( <i>n</i> = 314)	Wasted and underweight but not stunted ( <i>n</i> = 83)	Wasted, stunted, and underweight ( <i>n</i> = 334)	
Effect modifier <sup>2</sup>	HR	HR (95% CI) <sup>3</sup>	<i>P</i> <sup>4</sup>	HR (95% CI) <sup>3</sup>	<i>P</i> <sup>4</sup>
Region/country			0.06		0.19
Africa <sup>5</sup>	1.00	2.55 (2.09, 3.10)		3.62 (2.00, 6.56)	6.54 (3.80, 11.24)
Asia <sup>6</sup>	1.00	4.08 (2.95, 5.65)		5.74 (3.27, 10.07)	18.64 (10.90, 31.87)
Peru	1.00	11.86 (3.28, 43.60)		— <sup>7</sup>	55.85 (7.03, 443.56)
Median follow-up time <sup>8</sup>			0.69		0.001
>52 wk	1.00	3.63 (2.31, 5.72)		6.74 (3.96, 11.48)	14.24 (6.83, 29.70)
≤52 wk	1.00	3.20 (2.37, 4.34)		2.97 (2.13, 4.14)	11.03 (5.77, 21.10)

<sup>1</sup> The numbers in parentheses are the number of deaths in each anthropometric category.

<sup>2</sup> The following additional effect modifiers were evaluated but were not a significant source of heterogeneity for any of the exposure levels: commencing year of subject recruitment (>1990, ≤1990) and prevalence of the exposure (>median, ≤median).

<sup>3</sup> Pooled values were obtained from a meta-analysis that specified a random-effects model by using the DerSimonian and Laird method and were stratified by the specified effect modifier.

<sup>4</sup> Refers to the test for effect modification in the meta-regression model.

<sup>5</sup> Includes the studies from Ghana, Guinea Bissau, Senegal, and Sudan.

<sup>6</sup> Includes the studies from Bangladesh, India, Indonesia, Nepal, and the Philippines.

<sup>7</sup> There were zero events in the exposure category for the particular study, so it was not possible to estimate an HR.

<sup>8</sup> Studies with a median follow-up time >52 wk include Guinea Bissau, Nepal, Philippines, and Sudan; studies with a median follow-up time of ≤52 wk include Bangladesh, Ghana, India, Peru, and Senegal.

# The risk of all-cause mortality in children with anthropometric deficits in comparison to children with no deficits

	Hazard ratio	95% CI
Stunted, underweight, Not wasted	3.4	2.6; 4.3
Wasted, underweight, Not stunted	4.7	3.1; 7.1
Wasted, underweight, stunted	12.3	7.7; 19.6

Country	Year	Source	Children 6-59 months						
			Very low weight			NOT vlw			
			Nw	sev wasted	mod wasted	not wasted	sev wasted	mod wasted	not wasted
Albania	2008	DHS	95	2.5%	0.0%	0.6%	10.1%	14.1%	72.7%
Armenia	2000	DHS	130	1.4%	0.2%	2.3%	2.0%	5.3%	88.9%
Armenia	2010	DHS	126	0.0%	1.3%	2.2%	7.5%	3.8%	85.2%
Azerbaijan	2006	DHS	213	0.3%	0.6%	1.2%	5.0%	11.8%	81.1%
Bangladesh	1996	DHS	478	5.2%	4.5%	6.1%	6.0%	10.0%	68.2%
Bangladesh	2011	DHS	686	0.7%	0.6%	2.9%	5.2%	9.0%	81.6%
Bangladesh	1999	DHS	653	1.4%	2.7%	8.1%	2.4%	6.4%	79.1%
Bangladesh	2004	DHS	608	1.7%	2.0%	4.1%	3.3%	8.0%	80.8%
Bangladesh	2007	DHS	452	1.9%	2.6%	4.2%	2.7%	10.4%	78.2%
Benin	2011	DHS	595	1.2%	1.5%	1.3%	10.8%	9.7%	75.6%
Benin	2006	DHS	1287	0.8%	1.2%	2.9%	4.5%	5.7%	85.0%
Benin	1996	DHS	462	1.6%	2.1%	2.9%	5.6%	9.5%	78.3%
Benin	2001	DHS	504	0.9%	0.9%	1.6%	3.4%	9.1%	84.2%
Bolivia	1994	DHS	446	0.7%	0.9%	0.8%	2.4%	4.1%	91.2%
Bolivia	2003	DHS	811	0.2%	0.2%	0.9%	1.3%	2.9%	94.6%
Bolivia	2008	DHS	737	0.7%	0.1%	0.8%	1.1%	2.6%	94.8%
Bolivia	1998	DHS	528	0.2%	0.0%	1.2%	2.7%	1.4%	94.4%
Brazil	1996	DHS	398	0.1%	0.2%	0.7%	2.3%	3.4%	93.3%
Burkina Faso	2003	DHS	958	1.9%	2.1%	1.2%	12.5%	14.9%	67.3%
Burkina Faso	1998	DHS	555	2.3%	0.7%	1.9%	4.3%	10.6%	80.3%
Burkina Faso	2010	DHS	714	1.6%	1.1%	1.7%	9.4%	12.9%	73.3%
Burundi	2010	DHS	350	0.4%	1.0%	2.4%	2.1%	2.4%	91.6%
Cambodia	2005	DHS	287	2.9%	0.9%	0.9%	3.9%	6.8%	84.6%
Cambodia	2000	DHS	334	1.5%	0.7%	4.1%	9.0%	8.9%	75.8%
Cambodia	2010	DHS	298	0.3%	0.5%	1.2%	4.9%	10.8%	82.3%
Cameroon	2011	DHS	529	0.5%	0.2%	1.1%	2.2%	6.8%	89.2%
Cameroon	2004	DHS	356	0.3%	0.3%	1.1%	2.9%	4.4%	91.1%
Cameroon	1998	DHS	370	0.0%	0.3%	0.7%	2.6%	4.9%	91.5%
Central African Republic	1994	DHS	427	0.6%	0.4%	2.6%	2.8%	7.0%	86.6%



Chad	1996	DHS	753	1.9%	1.1%	1.4%	5.5%	10.5%	79.6%
Chad	2004	DHS	576	1.2%	0.1%	0.6%	7.6%	12.4%	78.0%
Colombia	2005	DHS	1169	0.4%	0.1%	0.7%	1.2%	2.7%	94.8%
Colombia	1995	DHS	406	0.2%	0.4%	1.3%	0.7%	1.7%	95.7%
Colombia	2000	DHS	415	0.7%	0.0%	2.0%	0.5%	1.5%	95.4%
Colombia	2010	DHS	1261	0.0%	0.2%	2.1%	0.8%	1.4%	95.5%
Comoros	2012	DHS	256	0.8%	1.5%	2.4%	8.7%	6.5%	79.9%
Comoros	1996	DHS	171	2.9%	1.2%	2.3%	3.5%	6.4%	83.6%
Congo	2005	DHS	479	0.6%	0.8%	2.4%	5.4%	6.5%	84.4%
Congo	2011	DHS	428	0.2%	0.1%	0.5%	2.2%	4.2%	92.8%
Congo, Democratic Republic of the	2007	DHS	262	0.6%	1.1%	1.2%	5.7%	10.1%	81.3%
Congo, Democratic Republic of the	2013	DHS	963	0.7%	1.1%	1.7%	3.9%	6.2%	86.5%
Côte d'Ivoire	1994	DHS	640	1.6%	0.8%	2.5%	3.1%	8.3%	83.8%
Côte d'Ivoire	2011	DHS	341	1.2%	0.3%	1.8%	4.7%	8.3%	83.7%
Côte d'Ivoire	1998	DHS	161	0.0%	0.0%	3.0%	0.7%	4.2%	92.1%
Dominican Republic	1996	DHS	312	0.5%	0.3%	0.8%	1.8%	4.3%	92.1%
Dominican Republic	2002	DHS	770	0.0%	0.2%	0.5%	2.3%	2.6%	94.5%
Dominican Republic	2007	DHS	757	0.0%	0.0%	0.4%	3.0%	2.5%	94.1%
Egypt	2008	DHS	880	0.2%	0.3%	0.9%	5.8%	5.9%	86.9%
Egypt	1995	DHS	997	1.3%	0.8%	0.6%	4.5%	6.7%	86.2%
Egypt	2000	DHS	1036	0.5%	0.2%	1.7%	4.8%	4.1%	88.8%
Ethiopia	2011	DHS	1042	0.7%	1.3%	1.4%	4.8%	6.6%	85.3%
Ethiopia	2005	DHS	389	1.1%	0.0%	2.6%	6.0%	9.5%	80.8%
Ethiopia	2000	DHS	918	1.2%	2.0%	2.5%	3.9%	7.1%	83.2%
Gabon	2012	DHS	295	0.0%	0.0%	1.0%	1.8%	3.6%	93.6%
Gabon	2000	DHS	365	1.0%	0.5%	1.1%	1.9%	5.6%	89.9%
Ghana	2008	DHS	205	2.0%	0.7%	0.9%	3.9%	9.3%	83.1%
Ghana	1998	DHS	260	0.3%	0.0%	1.1%	4.3%	9.0%	85.3%
Ghana	1993	DHS	340	0.9%	1.5%	3.8%	4.1%	11.2%	78.5%
Ghana	2003	DHS	268	1.1%	0.6%	0.8%	5.0%	8.2%	84.3%
Guatemala	1995	DHS	824	0.9%	0.5%	2.9%	0.6%	1.8%	93.2%
Guatemala	1998	DHS	338	0.6%	0.0%	3.0%	0.8%	2.4%	93.1%

Guinea	2005	DHS	350	0.9%	0.6%	1.8%	4.6%	8.7%	83.5%
Guinea	1999	DHS	492	1.5%	1.3%	1.8%	4.0%	6.7%	84.8%
Guinea	2012	DHS	368	0.7%	0.8%	2.2%	5.8%	5.1%	85.3%
Guyana	2009	DHS	94	3.0%	0.0%	0.4%	2.7%	5.1%	88.9%
Haiti	2000	DHS	522	1.0%	1.4%	2.4%	1.8%	6.5%	86.9%
Haiti	2012	DHS	404	1.5%	0.3%	1.7%	1.3%	4.4%	90.8%
Haiti	1994	DHS	295	1.1%	1.4%	1.0%	4.2%	7.8%	84.5%
Haiti	2005	DHS	254	0.4%	1.3%	3.2%	1.0%	7.8%	86.3%
Honduras	2011	DHS	996	0.2%	0.5%	1.3%	0.7%	1.7%	95.7%
Honduras	2005	DHS	392	0.0%	0.1%	0.7%	0.3%	3.4%	95.6%
India	2005	DHS	3791	3.7%	2.6%	4.6%	9.4%	14.5%	65.2%
India	1998	DHS	4250	3.5%	3.4%	6.3%	6.7%	11.1%	69.0%
Jordan	2002	DHS	404	0.7%	0.1%	1.3%	2.6%	2.8%	92.6%
Jordan	2012	DHS	497	0.4%	1.1%	0.2%	2.0%	1.7%	94.7%
Jordan	2007	DHS	339	0.2%	0.2%	0.0%	4.6%	7.4%	87.5%
Jordan	1997	DHS	435	0.2%	0.3%	0.6%	0.9%	3.8%	94.2%
Kazakhstan	1999	DHS	47	0.9%	0.0%	4.1%	0.9%	7.2%	87.0%
Kazakhstan	1995	DHS	107	1.6%	0.0%	1.4%	8.1%	20.3%	68.6%
Kenya	2003	DHS	512	1.3%	0.7%	1.0%	1.7%	4.0%	91.2%
Kenya	1998	DHS	439	0.5%	0.7%	2.6%	3.7%	4.3%	88.4%
Kenya	2008	DHS	445	1.6%	0.1%	0.6%	3.1%	4.4%	90.3%
Kenya	1993	DHS	427	1.6%	0.5%	1.5%	2.6%	4.7%	89.1%
Kyrgyzstan	1997	DHS	175	0.0%	0.0%	0.3%	1.8%	3.0%	94.9%
Kyrgyzstan	2012	DHS	384	0.2%	0.1%	1.2%	3.4%	4.2%	91.0%
Lesotho	2009	DHS	174	0.8%	0.0%	1.9%	1.4%	5.7%	90.2%
Lesotho	2004	DHS	160	0.6%	1.5%	2.8%	1.9%	8.7%	84.5%
Liberia	2013	DHS	266	0.4%	0.0%	0.2%	2.0%	4.2%	93.1%
Liberia	2007	DHS	424	0.2%	0.7%	1.5%	3.0%	5.9%	88.7%
Madagascar	1997	DHS	589	1.1%	0.4%	2.9%	1.9%	3.5%	90.3%
Madagascar	2003	DHS	539	2.1%	1.9%	3.7%	5.5%	6.6%	80.2%
Malawi	2004	DHS	759	0.3%	0.0%	1.3%	3.5%	6.3%	88.7%
Malawi	2010	DHS	349	1.1%	0.5%	0.2%	1.0%	4.4%	92.7%

Malawi	2000	DHS	1040	1.8%	1.6%	2.6%	3.1%	4.8%	86.1%
Maldives	2009	DHS	215	1.3%	1.2%	1.5%	4.3%	8.8%	82.8%
Mali	2001	DHS	1240	1.0%	0.5%	2.4%	4.1%	9.4%	82.6%
Mali	2006	DHS	1261	1.1%	0.5%	1.9%	7.7%	11.6%	77.2%
Mali	1995	DHS	960	4.7%	1.4%	2.6%	7.2%	15.4%	68.7%
Mali	2012	DHS	318	1.2%	1.6%	2.0%	9.6%	5.9%	79.7%
Moldova	2005	DHS	116	0.9%	0.0%	0.0%	1.2%	6.0%	91.9%
Morocco	2003	DHS	479	1.1%	0.5%	1.1%	7.4%	6.9%	83.1%
Mozambique	1997	DHS	588	0.9%	1.2%	2.9%	3.9%	6.1%	84.9%
Mozambique	2003	DHS	982	0.9%	1.5%	2.7%	1.0%	3.0%	90.9%
Mozambique	2011	DHS	1045	1.5%	1.5%	3.6%	2.5%	4.9%	86.0%
Namibia	2000	DHS	365	1.7%	1.5%	0.6%	1.2%	4.5%	90.6%
Namibia	2006	DHS	435	2.1%	0.2%	0.9%	2.2%	6.9%	87.7%
Nepal	2011	DHS	220	2.3%	0.4%	4.3%	2.8%	5.5%	84.7%
Nicaragua	1997	DHS	613	0.6%	0.3%	1.1%	2.9%	3.7%	91.4%
Nicaragua	2001	DHS	504	0.5%	0.6%	0.6%	2.2%	2.0%	94.1%
Niger	2006	DHS	471	0.8%	0.8%	1.4%	6.6%	8.4%	82.1%
Niger	1998	DHS	813	2.2%	1.4%	2.9%	4.8%	11.2%	77.5%
Niger	2012	DHS	619	0.8%	2.1%	2.5%	6.5%	10.4%	77.7%
Nigeria	2013	DHS	2430	2.4%	1.4%	3.4%	9.6%	11.5%	71.7%
Nigeria	2008	DHS	1931	1.8%	0.5%	2.8%	8.1%	7.0%	79.8%
Nigeria	2003	DHS	521	1.7%	1.5%	1.0%	4.3%	8.3%	83.1%
Nigeria	1999	DHS	243	3.6%	0.4%	4.6%	8.8%	7.8%	74.7%
Pakistan	2012	DHS	330	0.2%	1.2%	4.7%	6.1%	8.6%	79.1%
Peru	2008	DHS	417	0.2%	0.0%	0.2%	0.0%	1.6%	98.0%
Peru	2007	DHS	198	0.0%	0.0%	0.5%	0.0%	1.5%	98.0%
Peru	2000	DHS	877	0.1%	0.0%	1.0%	0.7%	0.8%	97.4%
Peru	2010	DHS	675	0.0%	0.4%	1.1%	0.0%	0.3%	98.3%
Peru	2011	DHS	711	0.0%	0.0%	1.3%	0.1%	0.5%	98.1%
Peru	2012	DHS	727	0.0%	0.3%	0.8%	0.0%	0.2%	98.6%
Peru	2005	DHS	180	0.0%	0.2%	1.0%	0.0%	2.3%	96.5%
Peru	2009	DHS	720	0.0%	0.2%	1.3%	0.3%	0.1%	98.0%

Peru	1996	DHS	1233	0.0%	0.4%	0.9%	1.0%	1.6%	96.1%
Rwanda	2000	DHS	690	1.0%	0.8%	1.4%	4.9%	5.4%	86.6%
Rwanda	2010	DHS	353	0.8%	0.3%	0.8%	2.0%	2.0%	94.1%
Rwanda	2005	DHS	403	0.4%	0.3%	1.6%	1.5%	4.5%	91.8%
Sao Tome and Principe	2008	DHS	99	2.1%	1.0%	4.1%	1.7%	2.8%	88.3%
Senegal	2010	DHS	354	1.3%	0.3%	0.5%	3.2%	8.7%	86.1%
Senegal	2005	DHS	347	0.2%	1.1%	2.8%	4.1%	6.0%	85.8%
Senegal	2012	DHS	601	0.5%	0.2%	1.1%	1.0%	3.9%	93.4%
Sierra Leone	2008	DHS	213	0.5%	0.2%	2.7%	4.3%	9.2%	83.1%
Sierra Leone	2013	DHS	397	1.3%	1.1%	2.6%	3.0%	4.2%	87.8%
Swaziland	2006	DHS	196	0.0%	0.0%	0.0%	1.0%	1.5%	97.4%
Tajikistan	2012	DHS	401	1.5%	1.7%	1.6%	9.4%	10.7%	75.1%
Tanzania	1999	DHS	308	0.9%	0.7%	1.7%	2.2%	4.9%	89.6%
Tanzania	2004	DHS	807	0.4%	0.8%	1.1%	1.6%	1.8%	94.1%
Tanzania	2010	DHS	761	0.3%	0.7%	1.3%	1.9%	3.3%	92.5%
Tanzania	1996	DHS	591	1.4%	0.3%	3.0%	2.5%	5.6%	87.2%
Timor-Leste	2009	DHS	553	1.2%	0.7%	3.2%	7.2%	10.6%	77.2%
Togo	1998	DHS	618	1.2%	0.6%	0.8%	3.2%	8.8%	85.5%
Turkey	1998	DHS	289	0.5%	0.0%	0.5%	1.8%	6.5%	90.7%
Turkey	1993	DHS	331	0.0%	0.3%	1.1%	2.4%	4.1%	92.0%
Uganda	2006	DHS	237	0.0%	0.8%	1.6%	2.3%	5.3%	90.0%
Uganda	2011	DHS	223	1.2%	0.9%	0.3%	2.8%	8.1%	86.6%
Uganda	2000	DHS	555	0.9%	0.8%	1.9%	1.8%	4.4%	90.1%
Uganda	1995	DHS	630	1.3%	1.1%	1.0%	2.3%	3.6%	90.7%
Uzbekistan	1996	DHS	118	2.5%	2.7%	2.8%	14.5%	7.6%	69.8%
Zambia	2001	DHS	557	0.5%	1.0%	1.6%	3.3%	4.9%	88.8%
Zambia	1996	DHS	611	1.5%	0.3%	2.9%	1.5%	4.8%	88.9%
Zambia	2007	DHS	484	0.4%	0.3%	0.9%	4.0%	3.0%	91.4%
Zimbabwe	1994	DHS	365	0.5%	0.0%	0.9%	2.9%	4.0%	91.7%
Zimbabwe	2005	DHS	375	0.6%	0.6%	0.4%	4.4%	4.2%	89.7%
Zimbabwe	1999	DHS	275	1.0%	0.0%	1.2%	7.0%	7.9%	82.9%
Zimbabwe	2010	DHS	553	0.1%	0.2%	1.0%	1.1%	3.5%	94.0%

Children 6-59 months							Children 6-59 months						
Ns	Very low weight			NOT vlw			Nws	Stunted			NOT stunted		
	sev stunted	mod stunted	not stunted	sev stunted	mod stunted	not stunted		sev wasted	mod wasted	not wasted	sev wasted	mod wasted	not wasted
95	2.0%	0.0%	1.1%	17.6%	13.0%	66.2%	95	1.3%	0.0%	31.3%	11.2%	14.1%	42.0%
136	1.9%	0.2%	1.6%	2.2%	7.8%	86.4%	130	0.4%	0.2%	10.5%	2.9%	5.3%	80.7%
126	1.3%	1.8%	0.3%	3.7%	9.1%	83.7%	126	0.0%	0.9%	15.1%	7.5%	4.2%	72.4%
213	1.1%	0.7%	0.3%	5.8%	7.8%	84.3%	213	0.0%	0.6%	14.9%	5.2%	11.8%	67.5%
478	7.0%	3.8%	4.9%	4.2%	11.6%	68.5%	478	1.7%	3.2%	21.7%	9.5%	11.3%	52.6%
686	1.4%	2.4%	0.4%	3.0%	10.9%	81.9%	686	0.3%	0.9%	16.5%	5.6%	8.7%	68.0%
653	7.9%	3.0%	1.1%	3.0%	11.8%	73.1%	653	0.9%	2.0%	22.9%	2.9%	7.0%	64.3%
608	3.1%	3.7%	1.0%	4.6%	11.2%	76.4%	608	0.8%	2.0%	19.8%	4.3%	8.0%	65.1%
452	3.3%	4.1%	1.2%	2.0%	9.0%	80.3%	452	0.9%	2.4%	15.2%	3.7%	10.6%	67.3%
595	1.2%	1.7%	1.0%	9.7%	8.5%	78.0%	595	0.5%	1.1%	19.4%	11.5%	10.0%	57.4%
1287	3.1%	1.1%	0.6%	10.3%	11.4%	73.5%	1287	0.3%	1.1%	24.6%	5.0%	5.8%	63.3%
462	3.0%	2.2%	1.4%	2.8%	9.8%	80.7%	462	0.4%	2.2%	15.3%	6.8%	9.5%	65.9%
504	1.4%	1.0%	1.1%	2.1%	7.0%	87.5%	504	0.2%	0.5%	10.8%	4.1%	9.4%	75.1%
446	0.6%	0.9%	0.9%	4.1%	9.2%	84.3%	446	0.2%	0.5%	14.2%	2.8%	4.5%	77.9%
811	0.8%	0.2%	0.2%	1.7%	9.3%	87.8%	811	0.0%	0.2%	11.9%	1.5%	2.9%	83.6%
737	0.7%	0.2%	0.7%	3.3%	5.6%	89.6%	737	0.0%	0.1%	9.6%	1.7%	2.6%	85.9%
528	1.2%	0.1%	0.2%	4.1%	8.4%	86.0%	528	0.0%	0.2%	13.5%	2.9%	1.2%	82.1%
398	0.7%	0.2%	0.1%	2.8%	3.9%	92.3%	398	0.0%	0.2%	7.4%	2.4%	3.4%	86.6%
958	1.8%	1.6%	1.8%	3.5%	5.2%	86.1%	958	0.4%	1.8%	9.9%	14.1%	15.2%	58.6%
555	1.9%	0.5%	2.4%	2.2%	6.1%	86.8%	555	0.0%	0.5%	10.3%	6.6%	10.7%	71.9%
714	1.7%	1.3%	1.5%	2.3%	5.2%	88.1%	714	0.4%	0.7%	9.2%	10.6%	13.3%	65.8%
350	2.7%	0.7%	0.4%	6.9%	15.5%	73.8%	350	0.0%	1.0%	24.8%	2.6%	2.4%	69.2%
287	1.4%	2.1%	1.1%	3.2%	8.0%	84.1%	287	1.7%	0.9%	12.2%	5.1%	6.8%	73.4%
334	2.8%	2.4%	1.0%	6.9%	12.2%	74.6%	334	0.5%	1.0%	22.9%	10.0%	8.6%	57.0%
298	1.1%	0.6%	0.2%	4.0%	4.7%	89.2%	298	0.1%	0.5%	9.9%	5.2%	10.8%	73.5%
529	0.9%	0.6%	0.4%	3.2%	7.4%	87.6%	529	0.1%	0.2%	11.6%	2.5%	6.8%	78.6%
356	1.4%	0.0%	0.3%	3.8%	8.2%	86.4%	356	0.0%	0.3%	13.0%	3.2%	4.4%	79.1%
370	0.3%	0.7%	0.0%	1.7%	7.1%	90.1%	370	0.0%	0.3%	9.5%	2.6%	4.9%	82.6%
427	2.2%	1.0%	0.4%	1.1%	7.1%	88.2%	427	0.2%	0.4%	10.8%	3.2%	7.0%	78.4%

753	1.2%	1.0%	2.2%	2.8%	7.0%	85.8%	753	0.3%	0.7%	11.0%	7.1%	10.9%	70.0%
595	1.7%	0.1%	1.5%	1.7%	4.9%	90.0%	568	1.0%	0.1%	6.7%	7.5%	12.5%	72.2%
1169	0.3%	0.6%	0.3%	1.0%	4.1%	93.7%	1169	0.1%	0.1%	5.8%	1.5%	2.7%	89.7%
406	0.8%	0.9%	0.2%	1.5%	7.2%	89.4%	406	0.0%	0.4%	10.0%	0.9%	1.7%	87.0%
415	1.6%	0.6%	0.4%	2.4%	4.8%	90.2%	415	0.2%	0.0%	9.1%	0.9%	1.5%	88.2%
1261	1.6%	0.6%	0.2%	1.8%	6.5%	89.4%	1261	0.0%	0.0%	10.4%	0.8%	1.5%	87.2%
256	1.8%	2.3%	0.7%	1.5%	12.0%	81.7%	256	0.3%	1.4%	15.9%	9.3%	6.7%	66.4%
171	2.3%	2.3%	1.8%	3.5%	8.8%	81.3%	171	1.2%	1.2%	14.6%	5.3%	6.4%	71.3%
479	2.2%	0.9%	0.7%	3.3%	4.9%	88.0%	479	0.0%	0.6%	10.7%	5.9%	6.7%	76.1%
428	0.5%	0.0%	0.3%	2.2%	5.8%	91.2%	428	0.0%	0.0%	8.5%	2.4%	4.3%	84.8%
262	0.5%	2.0%	0.4%	7.4%	6.6%	83.1%	262	0.2%	1.1%	15.1%	6.1%	10.1%	67.3%
963	1.8%	0.8%	0.9%	4.8%	7.4%	84.4%	963	0.1%	0.9%	13.7%	4.5%	6.4%	74.4%
640	2.7%	1.1%	1.1%	1.7%	7.6%	85.9%	640	0.5%	1.0%	11.6%	4.1%	8.1%	74.6%
341	2.0%	0.5%	0.8%	2.6%	10.2%	83.9%	341	0.4%	0.3%	14.6%	5.6%	8.3%	70.9%
161	1.8%	1.1%	0.0%	2.7%	10.7%	83.7%	161	0.0%	0.0%	16.3%	0.7%	4.2%	78.7%
312	0.4%	0.7%	0.5%	2.9%	5.4%	90.0%	312	0.0%	0.3%	9.1%	2.4%	4.3%	83.8%
770	0.5%	0.0%	0.2%	2.8%	5.6%	91.0%	770	0.0%	0.0%	8.9%	2.3%	2.7%	86.1%
757	0.3%	0.1%	0.0%	1.5%	6.6%	91.5%	757	0.0%	0.0%	8.5%	3.0%	2.5%	86.0%
880	0.6%	0.4%	0.3%	6.6%	9.0%	83.1%	880	0.0%	0.1%	16.5%	5.9%	6.1%	71.3%
997	0.7%	0.5%	1.4%	4.5%	6.9%	85.9%	997	0.0%	0.6%	12.0%	5.8%	6.8%	74.8%
1036	1.2%	0.8%	0.3%	6.3%	13.4%	77.9%	1036	0.1%	0.2%	21.4%	5.1%	4.1%	69.1%
1042	1.1%	1.4%	0.9%	1.4%	6.0%	89.2%	1042	0.2%	0.9%	8.8%	5.2%	6.9%	77.9%
389	1.9%	0.8%	1.0%	3.8%	10.2%	82.3%	389	0.1%	0.0%	16.6%	7.0%	9.5%	66.8%
918	2.2%	1.9%	1.6%	5.5%	11.7%	77.1%	918	0.5%	1.1%	19.7%	4.6%	8.0%	66.0%
295	1.0%	0.0%	0.0%	3.7%	5.0%	90.3%	295	0.0%	0.0%	9.7%	1.8%	3.6%	84.8%
365	1.1%	0.6%	0.8%	1.7%	7.7%	88.0%	365	0.1%	0.5%	10.5%	2.8%	5.6%	80.4%
205	1.1%	0.5%	2.0%	1.1%	1.6%	93.7%	205	0.0%	0.7%	3.6%	6.0%	9.3%	80.4%
260	0.9%	0.5%	0.0%	1.5%	3.9%	93.1%	260	0.3%	0.0%	6.6%	4.3%	9.0%	79.9%
340	2.6%	2.9%	0.6%	1.2%	6.8%	85.9%	340	0.3%	1.5%	11.8%	4.7%	11.2%	70.6%
268	0.6%	1.3%	0.5%	3.7%	5.7%	88.0%	268	0.7%	0.5%	10.2%	5.4%	8.4%	74.8%
824	3.0%	0.6%	0.7%	4.9%	12.9%	77.8%	824	0.2%	0.5%	20.8%	1.3%	1.8%	75.4%
338	2.3%	1.1%	0.2%	8.7%	21.6%	66.0%	338	0.4%	0.0%	33.4%	1.0%	2.4%	62.8%

350	1.9%	0.5%	0.9%	3.2%	6.4%	87.1%	350	0.3%	0.2%	11.4%	5.2%	9.0%	73.9%
492	1.8%	1.2%	1.5%	4.1%	7.3%	84.1%	492	0.4%	0.8%	13.1%	5.1%	7.1%	73.4%
368	2.0%	1.3%	0.5%	0.7%	6.5%	89.0%	368	0.3%	0.8%	9.5%	6.2%	5.1%	78.1%
94	0.4%	0.1%	2.9%	4.7%	11.4%	80.6%	94	0.1%	0.0%	16.5%	5.5%	5.1%	72.8%
522	3.3%	0.1%	1.3%	1.0%	5.7%	88.5%	522	0.5%	0.5%	9.1%	2.3%	7.5%	80.1%
404	2.0%	0.7%	0.9%	2.9%	4.3%	89.2%	404	0.8%	0.1%	8.9%	1.9%	4.6%	83.6%
295	1.4%	1.0%	1.1%	1.5%	6.1%	88.9%	295	0.3%	1.1%	8.6%	5.0%	8.1%	76.9%
254	3.5%	0.5%	0.8%	5.2%	6.5%	83.5%	254	0.1%	0.8%	14.8%	1.4%	8.3%	74.7%
996	1.7%	0.1%	0.0%	1.6%	7.0%	89.5%	996	0.1%	0.5%	9.9%	0.8%	1.7%	87.0%
392	0.7%	0.1%	0.0%	2.1%	5.2%	91.9%	392	0.0%	0.1%	8.0%	0.3%	3.4%	88.3%
3791	4.3%	3.4%	3.2%	4.2%	8.6%	76.3%	3791	1.3%	2.0%	17.2%	11.8%	15.2%	52.5%
4250	5.4%	4.7%	3.1%	4.5%	11.8%	70.5%	4250	1.2%	2.7%	22.5%	9.1%	11.8%	52.8%
404	1.3%	0.1%	0.7%	1.4%	7.3%	89.2%	404	0.0%	0.1%	10.0%	3.3%	2.8%	83.9%
497	0.2%	1.1%	0.4%	1.4%	5.9%	91.1%	497	0.0%	1.1%	7.4%	2.4%	1.7%	87.4%
339	0.3%	0.0%	0.2%	5.9%	7.2%	86.5%	339	0.0%	0.2%	13.1%	4.9%	7.4%	74.4%
435	0.3%	0.6%	0.2%	3.1%	4.0%	91.8%	435	0.0%	0.3%	7.7%	1.1%	3.8%	87.1%
47	0.0%	4.1%	0.9%	0.0%	0.0%	95.1%	47	0.0%	0.0%	4.1%	1.7%	7.2%	87.0%
107	1.4%	1.6%	0.0%	1.0%	1.5%	94.5%	107	1.6%	0.0%	3.9%	8.1%	20.3%	66.1%
512	1.3%	0.3%	1.4%	5.0%	8.3%	83.6%	512	0.3%	0.3%	14.3%	2.7%	4.5%	77.9%
439	2.5%	0.7%	0.5%	2.7%	8.6%	85.0%	439	0.0%	0.7%	13.9%	4.2%	4.3%	77.0%
445	0.7%	0.0%	1.6%	3.5%	6.4%	87.9%	445	0.1%	0.0%	10.5%	4.6%	4.4%	80.4%
427	2.1%	0.5%	1.0%	3.0%	10.4%	83.0%	427	0.6%	0.5%	15.0%	3.7%	4.7%	75.7%
175	0.3%	0.0%	0.0%	1.9%	10.5%	87.3%	175	0.0%	0.0%	12.7%	1.8%	3.0%	82.5%
384	0.8%	0.5%	0.2%	3.2%	5.5%	89.9%	384	0.0%	0.1%	9.8%	3.5%	4.2%	82.3%
174	1.9%	0.8%	0.0%	5.3%	11.7%	80.3%	174	0.8%	0.0%	18.8%	1.4%	5.7%	73.2%
160	3.6%	0.8%	0.6%	7.7%	13.8%	73.6%	160	0.0%	1.5%	24.3%	2.4%	8.7%	63.0%
266	0.4%	0.2%	0.0%	0.9%	7.0%	91.5%	266	0.4%	0.0%	8.1%	2.0%	4.2%	85.2%
424	1.0%	0.7%	0.7%	2.6%	4.1%	90.9%	424	0.1%	0.1%	8.2%	3.1%	6.6%	82.0%
589	2.9%	1.3%	0.2%	6.3%	15.6%	73.8%	589	0.9%	0.4%	24.8%	2.1%	3.5%	68.4%
539	5.5%	1.0%	1.1%	10.5%	11.2%	70.6%	539	1.1%	1.7%	25.5%	6.4%	6.8%	58.5%
759	1.1%	0.3%	0.2%	8.0%	11.0%	79.5%	759	0.1%	0.0%	20.2%	3.6%	6.3%	69.7%
349	0.2%	0.8%	0.8%	5.4%	10.8%	81.8%	349	0.3%	0.5%	16.5%	1.8%	4.4%	76.4%

1040	3.1%	1.3%	1.6%	6.2%	10.6%	77.1%	1040	0.5%	1.3%	19.4%	4.5%	5.1%	69.2%
215	2.7%	0.0%	1.3%	4.1%	7.0%	84.9%	215	0.0%	1.2%	12.6%	5.7%	8.8%	71.7%
1240	1.6%	1.2%	1.1%	2.1%	6.7%	87.3%	1240	0.2%	0.3%	11.2%	4.9%	9.7%	73.8%
1261	1.8%	1.0%	0.7%	3.8%	5.8%	86.9%	1261	0.6%	0.4%	11.5%	8.2%	11.7%	67.6%
960	2.6%	2.5%	3.6%	2.1%	5.0%	84.3%	960	1.5%	1.2%	9.5%	10.4%	15.7%	61.8%
318	2.2%	0.9%	1.7%	3.0%	8.9%	83.4%	318	0.2%	0.9%	13.8%	10.6%	6.6%	67.9%
116	0.0%	0.0%	0.9%	3.1%	8.0%	88.1%	116	0.0%	0.0%	11.0%	2.1%	6.0%	80.8%
479	1.4%	0.2%	1.1%	5.6%	11.2%	80.5%	479	0.0%	0.5%	17.9%	8.5%	6.9%	66.3%
588	3.3%	1.1%	0.7%	7.7%	12.9%	74.4%	588	0.4%	0.9%	23.6%	4.4%	6.4%	64.3%
982	2.9%	1.8%	0.4%	4.8%	12.1%	78.0%	982	0.6%	1.4%	19.5%	1.3%	3.0%	74.1%
1045	3.8%	1.8%	1.0%	8.8%	12.9%	71.7%	1045	0.6%	1.5%	25.3%	3.5%	4.9%	64.3%
365	0.4%	2.0%	1.3%	3.9%	7.8%	84.6%	365	0.3%	1.5%	12.3%	2.6%	4.5%	78.9%
435	0.5%	0.6%	2.1%	4.4%	8.9%	83.5%	435	0.2%	0.0%	14.1%	4.2%	7.0%	74.4%
220	3.9%	2.3%	0.9%	3.9%	10.0%	79.2%	220	1.7%	0.2%	18.2%	3.4%	5.7%	70.9%
613	1.1%	0.5%	0.5%	1.6%	6.7%	89.7%	613	0.2%	0.3%	9.3%	3.4%	3.7%	83.2%
504	0.1%	0.5%	1.1%	1.0%	5.3%	92.0%	504	0.0%	0.0%	7.0%	2.7%	2.6%	87.7%
471	1.9%	0.6%	0.5%	4.9%	7.0%	85.2%	471	0.5%	0.7%	13.1%	6.8%	8.5%	70.3%
813	2.5%	2.4%	1.6%	2.1%	6.6%	84.8%	813	0.9%	1.1%	11.6%	6.1%	11.5%	68.8%
619	3.3%	1.6%	0.5%	4.2%	6.7%	83.7%	619	0.3%	2.1%	13.5%	7.1%	10.4%	66.8%
2430	3.3%	2.0%	1.9%	4.3%	5.9%	82.5%	2430	0.7%	1.2%	13.7%	11.3%	11.7%	61.5%
1931	2.3%	1.2%	1.6%	7.6%	10.4%	77.0%	1931	0.2%	0.4%	20.7%	9.7%	7.1%	61.8%
521	1.8%	1.2%	1.3%	5.3%	9.0%	81.5%	521	0.4%	1.5%	15.3%	5.6%	8.3%	68.9%
243	4.6%	2.8%	1.2%	14.5%	13.1%	63.8%	243	2.4%	0.4%	32.2%	10.1%	7.8%	47.2%
330	4.7%	1.2%	0.2%	7.3%	11.0%	75.6%	330	0.0%	1.7%	22.5%	6.3%	8.2%	61.3%
417	0.2%	0.0%	0.2%	4.1%	10.2%	85.2%	417	0.0%	0.0%	14.5%	0.2%	1.6%	83.6%
198	0.0%	0.5%	0.0%	2.4%	6.6%	90.5%	198	0.0%	0.0%	9.5%	0.0%	1.5%	89.0%
877	1.0%	0.0%	0.1%	2.2%	8.0%	88.7%	877	0.0%	0.0%	11.2%	0.8%	0.8%	87.2%
675	1.2%	0.2%	0.0%	5.3%	10.6%	82.7%	675	0.0%	0.4%	17.0%	0.0%	0.3%	82.4%
711	1.0%	0.3%	0.0%	2.6%	8.2%	87.8%	711	0.0%	0.0%	12.2%	0.1%	0.5%	87.2%
727	0.8%	0.1%	0.2%	1.2%	11.1%	86.6%	727	0.0%	0.2%	13.0%	0.0%	0.4%	86.4%
180	1.0%	0.0%	0.2%	2.4%	8.3%	88.1%	180	0.0%	0.0%	11.8%	0.0%	2.5%	85.7%
720	1.3%	0.2%	0.0%	3.7%	10.8%	83.9%	720	0.0%	0.1%	15.9%	0.3%	0.2%	83.4%



1233	1.0%	0.3%	0.0%	2.9%	8.2%	87.6%	1233	0.0%	0.4%	12.0%	1.0%	1.6%	85.0%
690	2.1%	0.5%	0.6%	3.0%	11.8%	82.1%	690	0.4%	0.8%	16.2%	5.5%	5.4%	71.8%
353	1.1%	0.3%	0.6%	3.3%	12.1%	82.7%	353	0.6%	0.0%	16.2%	2.2%	2.3%	78.7%
403	1.4%	0.6%	0.2%	4.8%	8.0%	84.9%	403	0.2%	0.3%	14.5%	1.7%	4.5%	78.9%
99	5.9%	1.4%	0.0%	23.7%	15.0%	54.1%	99	2.1%	1.0%	42.8%	1.7%	2.8%	49.6%
354	0.5%	0.4%	1.2%	5.2%	8.3%	84.4%	354	0.1%	0.3%	14.0%	4.4%	8.7%	72.6%
347	2.0%	1.7%	0.3%	1.1%	5.9%	89.1%	347	0.2%	0.8%	9.7%	4.1%	6.3%	78.9%
601	0.8%	0.4%	0.6%	1.5%	4.2%	92.5%	601	0.0%	0.1%	6.8%	1.5%	3.9%	87.6%
213	2.9%	0.0%	0.5%	4.2%	6.2%	86.3%	213	0.0%	0.2%	13.1%	4.8%	9.2%	72.8%
397	3.0%	2.0%	0.0%	7.9%	7.5%	79.6%	397	1.3%	1.1%	17.9%	3.0%	4.2%	72.4%
196	0.0%	0.0%	0.0%	5.5%	14.1%	80.4%	196	0.0%	0.0%	19.6%	1.0%	1.5%	77.8%
401	1.4%	1.8%	1.5%	3.9%	8.6%	82.7%	401	0.4%	1.3%	14.1%	10.5%	11.1%	62.6%
308	1.9%	1.4%	0.1%	4.2%	9.8%	82.7%	308	0.9%	0.6%	15.7%	2.2%	4.9%	75.6%
817	1.4%	1.0%	0.3%	5.3%	12.6%	79.4%	805	0.1%	0.8%	18.4%	1.8%	1.9%	77.0%
761	1.5%	0.2%	0.6%	6.2%	10.4%	81.0%	761	0.0%	0.4%	18.0%	2.2%	3.6%	75.8%
591	2.7%	1.2%	0.8%	3.8%	12.0%	79.5%	591	0.8%	0.2%	18.8%	3.1%	5.8%	71.4%
553	3.2%	0.9%	0.9%	12.0%	9.9%	73.0%	553	0.3%	1.0%	24.9%	8.1%	10.3%	55.5%
618	0.6%	1.0%	1.0%	1.3%	7.3%	88.8%	618	0.4%	0.3%	9.4%	3.9%	9.1%	76.9%
289	0.7%	0.0%	0.3%	1.3%	1.7%	96.0%	289	0.2%	0.0%	3.5%	2.1%	6.5%	87.7%
331	1.1%	0.3%	0.0%	1.9%	4.1%	92.6%	331	0.0%	0.3%	7.1%	2.4%	4.1%	86.0%
237	1.8%	0.6%	0.0%	3.6%	11.0%	83.0%	237	0.0%	0.8%	16.2%	2.3%	5.3%	75.4%
223	0.9%	1.2%	0.3%	3.5%	10.5%	83.6%	223	1.2%	0.6%	14.3%	2.8%	8.4%	72.7%
555	2.1%	0.6%	1.0%	4.4%	9.8%	82.1%	555	0.4%	0.4%	16.1%	2.4%	4.8%	75.9%
630	1.0%	1.3%	1.1%	2.7%	11.1%	82.7%	630	0.4%	0.9%	14.8%	3.2%	3.8%	76.9%
118	2.8%	2.7%	2.5%	3.5%	12.2%	76.3%	118	0.0%	2.7%	18.5%	17.0%	7.6%	54.1%
557	1.8%	0.4%	0.8%	3.9%	11.6%	81.4%	557	0.0%	0.7%	17.1%	3.7%	5.2%	73.3%
611	2.5%	1.2%	1.0%	4.8%	10.2%	80.2%	611	0.7%	0.1%	18.0%	2.4%	5.0%	73.9%
484	0.9%	0.1%	0.6%	7.7%	9.2%	81.5%	484	0.0%	0.1%	17.8%	4.5%	3.1%	74.5%
365	0.7%	0.4%	0.2%	1.9%	8.3%	88.5%	365	0.3%	0.0%	11.0%	3.1%	4.0%	81.6%
375	0.8%	0.2%	0.7%	4.2%	9.4%	84.7%	375	0.2%	0.3%	14.1%	4.8%	4.5%	76.1%
275	1.2%	0.0%	1.0%	3.3%	9.1%	85.3%	275	0.0%	0.0%	13.7%	8.0%	7.9%	70.5%
553	1.0%	0.3%	0.1%	2.6%	6.1%	89.9%	553	0.1%	0.2%	9.7%	1.2%	3.5%	85.4%

Very low weight children ONLY							survey
Nws	Stunted			NOT stunted			
	sev wasted	mod wasted	not wasted	sev wasted	mod wasted	not wasted	
2	43.0%	0.0%	20.4%	36.6%	0.0%	0.0%	albania 2008
5	11.5%	4.9%	39.3%	24.7%	0.0%	19.7%	armenia 2000
4	0.0%	27.3%	63.6%	0.0%	9.1%	0.0%	armenia 2010
4	0.0%	28.7%	58.4%	13.0%	0.0%	0.0%	azerbaijan 2006
75	10.8%	19.6%	38.5%	22.1%	9.1%	0.0%	bangladesh 1996
28	7.3%	14.8%	68.2%	9.7%	0.0%	0.0%	bangladesh 2011
79	7.3%	16.6%	66.8%	4.0%	5.3%	0.0%	bangladesh 1999
47	9.8%	25.2%	52.1%	12.0%	1.0%	0.0%	bangladesh 2004
39	9.8%	27.2%	48.9%	11.8%	2.3%	0.0%	bangladesh 2007
23	12.5%	29.4%	33.2%	17.0%	7.8%	0.0%	benin 2011
61	5.8%	22.5%	59.7%	9.9%	2.1%	0.0%	benin 2006
30	6.6%	28.5%	44.0%	17.8%	3.1%	0.0%	benin 1996
17	5.3%	15.2%	48.3%	21.2%	9.9%	0.0%	benin 2001
10	9.0%	20.6%	35.0%	18.1%	17.4%	0.0%	bolivia 1994
9	0.0%	12.8%	71.4%	15.8%	0.0%	0.0%	bolivia 2003
11	0.0%	9.2%	49.0%	41.9%	0.0%	0.0%	bolivia 2008
7	0.0%	0.0%	88.2%	11.8%	0.0%	0.0%	bolivia 1998
4	0.0%	23.6%	66.2%	10.2%	0.0%	0.0%	brazil 1996
50	7.4%	34.5%	23.5%	29.7%	4.9%	0.0%	burkina_faso 2003
26	0.0%	10.8%	39.6%	46.6%	3.0%	0.0%	burkina_faso 1998
31	10.1%	16.9%	38.9%	25.2%	9.0%	0.0%	burkina_faso 2010
13	0.0%	26.0%	63.0%	11.0%	0.0%	0.0%	burundi 2010
13	37.2%	18.3%	20.1%	24.3%	0.0%	0.0%	cambodia 2005
21	7.6%	11.4%	64.4%	16.5%	0.0%	0.0%	cambodia 2000
5	4.4%	24.6%	58.5%	12.5%	0.0%	0.0%	cambodia 2010
9	8.2%	12.7%	59.7%	19.4%	0.0%	0.0%	cameroon 2011
5	0.0%	18.5%	65.7%	15.8%	0.0%	0.0%	cameroon 2004
3	0.0%	33.3%	66.7%	0.0%	0.0%	0.0%	cameroon 1998
15	5.0%	11.5%	73.2%	10.4%	0.0%	0.0%	car 1994

32	7.4%	11.1%	31.3%	36.5%	13.7%	0.0%	chad 1996
11	51.9%	4.8%	30.4%	12.9%	0.0%	0.0%	chad 2004
14	11.5%	11.2%	55.8%	21.5%	0.0%	0.0%	colombia 2005
7	0.0%	20.8%	67.2%	12.0%	0.0%	0.0%	colombia 1995
10	9.2%	0.0%	74.6%	16.2%	0.0%	0.0%	colombia 2000
29	0.6%	0.8%	91.4%	0.0%	7.3%	0.0%	colombia 2010
12	6.9%	29.2%	49.9%	10.9%	3.1%	0.0%	comoros 2012
11	18.2%	18.2%	36.4%	27.3%	0.0%	0.0%	comoros 1996
18	0.8%	16.1%	64.3%	13.7%	5.0%	0.0%	congo_(brazzaville) 2005
3	0.0%	0.0%	67.6%	25.9%	6.6%	0.0%	congo_brazzaville 2011
7	5.7%	39.0%	41.2%	14.1%	0.0%	0.0%	congo_democratic_republic 2007
32	3.2%	25.1%	45.1%	17.4%	5.9%	3.2%	congo_democratic_republic 2013
31	10.7%	16.6%	50.6%	22.0%	0.0%	0.0%	cote_divoire 1994
11	11.5%	9.1%	53.9%	25.5%	0.0%	0.0%	cote_divoire 2011
4	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	cote_divoire 1998
5	0.0%	19.5%	47.9%	32.5%	0.0%	0.0%	dominican_republic 1996
4	0.0%	0.0%	74.1%	0.0%	25.9%	0.0%	dominican_republic 2002
2	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	dominican_republic 2007
11	2.8%	7.1%	68.6%	8.9%	12.6%	0.0%	egypt 2008
26	0.3%	24.0%	21.6%	49.3%	4.9%	0.0%	egypt 1995
23	6.0%	7.9%	71.5%	14.7%	0.0%	0.0%	egypt 2000
34	6.3%	26.8%	41.6%	14.6%	10.8%	0.0%	ethiopia 2011
14	3.7%	0.0%	70.0%	26.3%	0.0%	0.0%	ethiopia 2005
52	9.1%	19.1%	43.3%	12.3%	16.1%	0.0%	ethiopia 2000
2	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	gabon 2012
9	4.8%	19.2%	43.0%	33.0%	0.0%	0.0%	gabon 2000
7	0.0%	20.5%	23.7%	55.8%	0.0%	0.0%	ghana 2008
3	23.3%	0.0%	76.7%	0.0%	0.0%	0.0%	ghana 1998
21	4.8%	23.8%	61.9%	9.5%	0.0%	0.0%	ghana 1993
6	29.9%	18.7%	30.9%	15.8%	4.8%	0.0%	ghana 2003
35	4.6%	11.5%	67.2%	16.7%	0.0%	0.0%	guatemala 1995
12	10.0%	0.0%	83.2%	6.8%	0.0%	0.0%	guatemala 1998

11	9.5%	7.2%	55.5%	17.8%	9.9%	0.0%	guinea 2005
22	8.4%	18.3%	39.5%	24.0%	9.8%	0.0%	guinea 1999
13	6.8%	22.1%	58.9%	12.2%	0.0%	0.0%	guinea 2012
3	3.3%	0.0%	10.8%	85.9%	0.0%	0.0%	guyana 2009
24	10.8%	10.8%	50.2%	9.1%	19.0%	0.0%	haiti 2000
14	23.4%	3.1%	48.5%	18.6%	6.3%	0.0%	haiti 2012
10	9.7%	31.8%	27.7%	21.2%	9.7%	0.0%	haiti 1994
12	1.8%	15.9%	65.0%	6.3%	11.0%	0.0%	haiti 2005
19	6.8%	24.0%	66.7%	2.5%	0.0%	0.0%	honduras 2011
3	0.0%	7.8%	92.2%	0.0%	0.0%	0.0%	honduras 2005
414	11.8%	17.0%	41.7%	22.4%	7.1%	0.0%	india 2005
560	9.1%	19.6%	47.6%	17.7%	5.9%	0.0%	india 1998
8	0.0%	3.5%	61.0%	35.5%	0.0%	0.0%	jordan 2002
8	0.0%	66.2%	9.2%	24.7%	0.0%	0.0%	jordan 2012
1	0.0%	47.0%	7.6%	45.5%	0.0%	0.0%	jordan 2007
4	0.0%	26.9%	59.1%	14.0%	0.0%	0.0%	jordan 1997
2	0.0%	0.0%	82.5%	17.5%	0.0%	0.0%	kazakhstan 1999
3	52.8%	0.0%	47.2%	0.0%	0.0%	0.0%	kazakhstan 1995
15	9.8%	10.5%	32.7%	33.5%	13.4%	0.0%	kenya 2003
16	0.0%	17.8%	69.9%	12.3%	0.0%	0.0%	kenya 1998
9	3.0%	0.0%	27.0%	67.0%	3.0%	0.0%	kenya 2008
15	15.6%	13.2%	42.7%	28.5%	0.0%	0.0%	kenya 1993
0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	kyrgyz_republic 1997
5	0.0%	8.0%	81.5%	10.5%	0.0%	0.0%	kyrgyzstan 2012
4	30.5%	0.0%	69.5%	0.0%	0.0%	0.0%	lesotho 2009
7	0.0%	30.8%	57.3%	11.9%	0.0%	0.0%	lesotho 2004
1	63.0%	0.0%	37.0%	0.0%	0.0%	0.0%	liberia 2013
10	4.7%	3.5%	61.8%	4.7%	25.4%	0.0%	liberia 2007
25	20.2%	8.6%	66.9%	4.3%	0.0%	0.0%	madagascar 1997
41	14.9%	22.0%	48.3%	12.3%	2.5%	0.0%	madagascar 2003
11	8.9%	0.0%	80.0%	11.1%	0.0%	0.0%	malawi 2004
6	13.6%	28.2%	13.2%	45.1%	0.0%	0.0%	malawi 2010

62	8.6%	22.0%	42.5%	21.9%	5.1%	0.0%	malawi 2000
8	0.0%	29.8%	37.4%	32.8%	0.0%	0.0%	maldives 2009
48	4.8%	7.6%	60.1%	21.4%	6.0%	0.0%	mali 2001
44	16.5%	10.9%	53.7%	15.0%	4.0%	0.0%	mali 2006
83	16.8%	12.3%	29.6%	37.2%	4.2%	0.0%	mali 1995
15	4.4%	18.3%	41.5%	21.4%	14.4%	0.0%	mali 2012
1	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	moldova 2005
12	0.0%	19.2%	40.9%	39.9%	0.0%	0.0%	morocco 2003
29	8.8%	18.7%	58.6%	9.5%	4.4%	0.0%	mozambique 1997
49	12.7%	25.2%	53.7%	4.6%	3.7%	0.0%	mozambique 2003
68	8.6%	22.3%	54.4%	14.7%	0.0%	0.0%	mozambique 2011
13	8.2%	39.8%	15.8%	36.2%	0.0%	0.0%	namibia 2000
14	6.4%	0.0%	28.0%	59.9%	5.8%	0.0%	namibia 2006
15	23.8%	2.2%	61.9%	8.9%	3.3%	0.0%	nepal 2011
12	8.2%	16.3%	52.6%	22.9%	0.0%	0.0%	nicaragua 1997
8	0.0%	0.0%	36.3%	27.5%	36.2%	0.0%	nicaragua 2001
13	18.3%	18.5%	47.2%	7.8%	8.2%	0.0%	niger 2006
52	13.9%	16.4%	44.8%	19.6%	5.3%	0.0%	niger 1998
33	4.7%	38.3%	47.0%	9.6%	0.0%	0.4%	niger 2012
176	9.1%	16.7%	47.5%	23.9%	2.9%	0.0%	nigeria 2013
98	4.8%	8.3%	55.2%	30.3%	1.4%	0.0%	nigeria 2008
22	9.9%	35.4%	24.2%	30.5%	0.0%	0.0%	nigeria 2003
20	27.7%	4.6%	53.4%	14.3%	0.0%	0.0%	nigeria 1999
20	0.0%	20.2%	76.2%	3.6%	0.0%	0.0%	pakistan 2012
1	0.0%	0.0%	38.8%	61.2%	0.0%	0.0%	peru 2008
1	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	peru 2007
9	0.0%	0.0%	92.6%	7.4%	0.0%	0.0%	peru 2000
9	0.0%	25.4%	74.6%	0.0%	0.0%	0.0%	peru 2010
9	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	peru 2011
8	0.0%	14.2%	69.7%	1.9%	14.2%	0.0%	peru 2012
2	0.0%	0.0%	84.8%	0.0%	15.2%	0.0%	peru 2005
11	2.7%	9.2%	85.3%	0.0%	2.8%	0.0%	peru 2009

15	0.0%	27.8%	70.5%	1.8%	0.0%	0.0%	peru 1996
21	11.2%	24.8%	44.9%	19.2%	0.0%	0.0%	rwanda 2000
6	28.6%	0.0%	42.8%	11.8%	16.8%	0.0%	rwanda 2010
9	8.2%	11.4%	72.5%	7.8%	0.0%	0.0%	rwanda 2005
7	29.7%	13.5%	56.8%	0.0%	0.0%	0.0%	sao_tome_and_principe 2008
7	5.5%	13.2%	22.1%	59.1%	0.0%	0.0%	senegal 2010
13	4.2%	19.1%	68.8%	0.0%	7.9%	0.0%	senegal 2005
10	0.0%	7.3%	60.3%	29.0%	3.5%	0.0%	senegal 2012
7	0.0%	5.8%	80.4%	13.8%	0.0%	0.0%	sierra_leone 2008
20	26.5%	21.7%	51.8%	0.0%	0.0%	0.0%	sierra_leone 2013
0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	swaziland 2006
19	8.1%	27.3%	32.8%	23.7%	8.1%	0.0%	tajikistan 2012
10	28.1%	19.2%	51.1%	0.8%	0.8%	0.0%	tanzania 1999
19	3.9%	34.8%	47.6%	13.6%	0.0%	0.0%	tanzania 2004
17	1.4%	16.2%	55.1%	12.2%	15.1%	0.0%	tanzania 2010
27	16.3%	3.5%	64.1%	13.2%	2.9%	0.0%	tanzania 1996
27	5.5%	13.8%	63.3%	17.4%	0.0%	0.0%	timor_leste 2009
16	16.9%	12.1%	31.3%	28.3%	11.4%	0.0%	togo 1998
2	22.7%	0.0%	50.7%	26.6%	0.0%	0.0%	turkey 1998
4	0.0%	21.4%	78.6%	0.0%	0.0%	0.0%	turkey 1993
5	0.0%	33.5%	66.5%	0.0%	0.0%	0.0%	uganda 2006
5	51.3%	24.5%	12.1%	0.0%	12.1%	0.0%	uganda 2011
20	10.7%	11.1%	52.3%	14.6%	11.4%	0.0%	uganda 2000
21	12.1%	25.5%	29.1%	26.3%	6.9%	0.0%	uganda 1995
9	0.0%	33.6%	35.6%	30.8%	0.0%	0.0%	uzbekistan 1996
17	0.0%	21.4%	51.4%	15.3%	11.9%	0.0%	zambia 2001
29	14.3%	2.6%	61.5%	17.6%	4.0%	0.0%	zambia 1996
7	0.0%	7.3%	54.1%	27.4%	11.2%	0.0%	zambia 2007
4	22.4%	0.0%	64.0%	13.6%	0.0%	0.0%	zimbabwe 1994
6	9.4%	21.1%	27.2%	25.9%	16.5%	0.0%	zimbabwe 2005
6	0.0%	0.0%	54.1%	45.9%	0.0%	0.0%	zimbabwe 1999
7	4.8%	15.6%	74.9%	4.8%	0.0%	0.0%	zimbabwe 2010

Country	Year	Children 6-59 months							
		% VLW	Nw	Very low weight			NOT vlw		
				sev wasted	mod wasted	not wasted	sev wasted	mod wasted	not wasted
Albania	2008	3.1%	95	2.5%	0.0%	0.6%	10.1%	14.1%	72.7%
Armenia	2010	3.4%	126	0.0%	1.3%	2.2%	7.5%	3.8%	85.2%
Azerbaijan	2006	2.1%	213	0.3%	0.6%	1.2%	5.0%	11.8%	81.1%
Bangladesh	2007	8.7%	452	1.9%	2.6%	4.2%	2.7%	10.4%	78.2%
Benin	2001	3.4%	504	0.9%	0.9%	1.6%	3.4%	9.1%	84.2%
Bolivia	1998	1.4%	528	0.2%	0.0%	1.2%	2.7%	1.4%	94.4%
Brazil	1996	1.0%	398	0.1%	0.2%	0.7%	2.3%	3.4%	93.3%
Burkina Faso	2010	4.4%	714	1.6%	1.1%	1.7%	9.4%	12.9%	73.3%
Burundi	2010	3.8%	350	0.4%	1.0%	2.4%	2.1%	2.4%	91.6%
Cambodia	2010	2.0%	298	0.3%	0.5%	1.2%	4.9%	10.8%	82.3%
Cameroon	1998	1.0%	370	0.0%	0.3%	0.7%	2.6%	4.9%	91.5%
Central African Republic	1994	3.6%	427	0.6%	0.4%	2.6%	2.8%	7.0%	86.6%
Chad	2004	1.9%	576	1.2%	0.1%	0.6%	7.6%	12.4%	78.0%
Colombia	2010	2.3%	1261	0.0%	0.2%	2.1%	0.8%	1.4%	95.5%
Comoros	1996	6.4%	171	2.9%	1.2%	2.3%	3.5%	6.4%	83.6%
Congo	2011	0.8%	428	0.2%	0.1%	0.5%	2.2%	4.2%	92.8%
Congo, Democratic Republic of the	2013	3.4%	963	0.7%	1.1%	1.7%	3.9%	6.2%	86.5%
Côte d'Ivoire	1998	3.0%	161	0.0%	0.0%	3.0%	0.7%	4.2%	92.1%
Dominican Republic	2007	0.4%	757	0.0%	0.0%	0.4%	3.0%	2.5%	94.1%
Egypt	2000	2.3%	1036	0.5%	0.2%	1.7%	4.8%	4.1%	88.8%

Ethiopia	2000	5.7%	918	1.2%	2.0%	2.5%	3.9%	7.1%	83.2%
Gabon	2000	2.6%	365	1.0%	0.5%	1.1%	1.9%	5.6%	89.9%
Ghana	2003	2.5%	268	1.1%	0.6%	0.8%	5.0%	8.2%	84.3%
Guatemala	1998	3.7%	338	0.6%	0.0%	3.0%	0.8%	2.4%	93.1%
Guinea	2012	3.8%	368	0.7%	0.8%	2.2%	5.8%	5.1%	85.3%
Guyana	2009	3.3%	94	3.0%	0.0%	0.4%	2.7%	5.1%	88.9%
Haiti	2005	4.9%	254	0.4%	1.3%	3.2%	1.0%	7.8%	86.3%
Honduras	2005	0.8%	392	0.0%	0.1%	0.7%	0.3%	3.4%	95.6%
India	1998	13.2%	4250	3.5%	3.4%	6.3%	6.7%	11.1%	69.0%
Jordan	1997	1.1%	435	0.2%	0.3%	0.6%	0.9%	3.8%	94.2%
Kazakhstan	1995	3.0%	107	1.6%	0.0%	1.4%	8.1%	20.3%	68.6%
Kenya	1993	3.6%	427	1.6%	0.5%	1.5%	2.6%	4.7%	89.1%
Kyrgyzstan	2012	1.4%	384	0.2%	0.1%	1.2%	3.4%	4.2%	91.0%
Lesotho	2004	4.9%	160	0.6%	1.5%	2.8%	1.9%	8.7%	84.5%
Liberia	2007	2.4%	424	0.2%	0.7%	1.5%	3.0%	5.9%	88.7%
Madagascar	2003	7.7%	539	2.1%	1.9%	3.7%	5.5%	6.6%	80.2%
Malawi	2000	6.0%	1040	1.8%	1.6%	2.6%	3.1%	4.8%	86.1%
Maldives	2009	4.1%	215	1.3%	1.2%	1.5%	4.3%	8.8%	82.8%
Mali	2012	4.8%	318	1.2%	1.6%	2.0%	9.6%	5.9%	79.7%
Moldova	2005	0.9%	116	0.9%	0.0%	0.0%	1.2%	6.0%	91.9%
Morocco	2003	2.7%	479	1.1%	0.5%	1.1%	7.4%	6.9%	83.1%
Mozambique	2011	6.6%	1045	1.5%	1.5%	3.6%	2.5%	4.9%	86.0%
Namibia	2006	3.2%	435	2.1%	0.2%	0.9%	2.2%	6.9%	87.7%



Nepal	2011	7.0%	220	2.3%	0.4%	4.3%	2.8%	5.5%	84.7%
Nicaragua	2001	1.7%	504	0.5%	0.6%	0.6%	2.2%	2.0%	94.1%
Niger	2012	5.4%	619	0.8%	2.1%	2.5%	6.5%	10.4%	77.7%
Nigeria	1999	8.6%	243	3.6%	0.4%	4.6%	8.8%	7.8%	74.7%
Pakistan	2012	6.2%	330	0.2%	1.2%	4.7%	6.1%	8.6%	79.1%
Peru	1996	1.3%	1233	0.0%	0.4%	0.9%	1.0%	1.6%	96.1%
Rwanda	2005	2.3%	403	0.4%	0.3%	1.6%	1.5%	4.5%	91.8%
Sao Tome and Principe	2008	7.2%	99	2.1%	1.0%	4.1%	1.7%	2.8%	88.3%
Senegal	2012	1.8%	601	0.5%	0.2%	1.1%	1.0%	3.9%	93.4%
Sierra Leone	2013	5.0%	397	1.3%	1.1%	2.6%	3.0%	4.2%	87.8%
Swaziland	2006	0.0%	196	0.0%	0.0%	0.0%	1.0%	1.5%	97.4%
Tajikistan	2012	4.8%	401	1.5%	1.7%	1.6%	9.4%	10.7%	75.1%
Tanzania	1996	4.7%	591	1.4%	0.3%	3.0%	2.5%	5.6%	87.2%
Timor-Leste	2009	5.1%	553	1.2%	0.7%	3.2%	7.2%	10.6%	77.2%
Togo	1998	2.6%	618	1.2%	0.6%	0.8%	3.2%	8.8%	85.5%
Turkey	1993	1.5%	331	0.0%	0.3%	1.1%	2.4%	4.1%	92.0%
Uganda	1995	3.4%	630	1.3%	1.1%	1.0%	2.3%	3.6%	90.7%
Uzbekistan	1996	8.0%	118	2.5%	2.7%	2.8%	14.5%	7.6%	69.8%
Zambia	2007	1.6%	484	0.4%	0.3%	0.9%	4.0%	3.0%	91.4%
Zimbabwe	2010	1.4%	553	0.1%	0.2%	1.0%	1.1%	3.5%	94.0%

Children 6-59 months							Children 6-59 months						
Ns	Very low weight			NOT vlw			Nws	Stunted			NOT stunted		
	sev stunted	mod stunted	not stunted	sev stunted	mod stunted	not stunted		sev wasted	mod wasted	not wasted	sev wasted	mod wasted	not wasted
95	2.0%	0.0%	1.1%	17.6%	13.0%	66.2%	95	1.3%	0.0%	31.3%	11.2%	14.1%	42.0%
126	1.3%	1.8%	0.3%	3.7%	9.1%	83.7%	126	0.0%	0.9%	15.1%	7.5%	4.2%	72.4%
213	1.1%	0.7%	0.3%	5.8%	7.8%	84.3%	213	0.0%	0.6%	14.9%	5.2%	11.8%	67.5%
452	3.3%	4.1%	1.2%	2.0%	9.0%	80.3%	452	0.9%	2.4%	15.2%	3.7%	10.6%	67.3%
504	1.4%	1.0%	1.1%	2.1%	7.0%	87.5%	504	0.2%	0.5%	10.8%	4.1%	9.4%	75.1%
528	1.2%	0.1%	0.2%	4.1%	8.4%	86.0%	528	0.0%	0.2%	13.5%	2.9%	1.2%	82.1%
398	0.7%	0.2%	0.1%	2.8%	3.9%	92.3%	398	0.0%	0.2%	7.4%	2.4%	3.4%	86.6%
714	1.7%	1.3%	1.5%	2.3%	5.2%	88.1%	714	0.4%	0.7%	9.2%	10.6%	13.3%	65.8%
350	2.7%	0.7%	0.4%	6.9%	15.5%	73.8%	350	0.0%	1.0%	24.8%	2.6%	2.4%	69.2%
298	1.1%	0.6%	0.2%	4.0%	4.7%	89.2%	298	0.1%	0.5%	9.9%	5.2%	10.8%	73.5%
370	0.3%	0.7%	0.0%	1.7%	7.1%	90.1%	370	0.0%	0.3%	9.5%	2.6%	4.9%	82.6%
427	2.2%	1.0%	0.4%	1.1%	7.1%	88.2%	427	0.2%	0.4%	10.8%	3.2%	7.0%	78.4%
595	1.7%	0.1%	1.5%	1.7%	4.9%	90.0%	568	1.0%	0.1%	6.7%	7.5%	12.5%	72.2%
1261	1.6%	0.6%	0.2%	1.8%	6.5%	89.4%	1261	0.0%	0.0%	10.4%	0.8%	1.5%	87.2%
171	2.3%	2.3%	1.8%	3.5%	8.8%	81.3%	171	1.2%	1.2%	14.6%	5.3%	6.4%	71.3%
428	0.5%	0.0%	0.3%	2.2%	5.8%	91.2%	428	0.0%	0.0%	8.5%	2.4%	4.3%	84.8%
963	1.8%	0.8%	0.9%	4.8%	7.4%	84.4%	963	0.1%	0.9%	13.7%	4.5%	6.4%	74.4%
161	1.8%	1.1%	0.0%	2.7%	10.7%	83.7%	161	0.0%	0.0%	16.3%	0.7%	4.2%	78.7%
757	0.3%	0.1%	0.0%	1.5%	6.6%	91.5%	757	0.0%	0.0%	8.5%	3.0%	2.5%	86.0%
1036	1.2%	0.8%	0.3%	6.3%	13.4%	77.9%	1036	0.1%	0.2%	21.4%	5.1%	4.1%	69.1%

918	2.2%	1.9%	1.6%	5.5%	11.7%	77.1%	918	0.5%	1.1%	19.7%	4.6%	8.0%	66.0%
365	1.1%	0.6%	0.8%	1.7%	7.7%	88.0%	365	0.1%	0.5%	10.5%	2.8%	5.6%	80.4%
268	0.6%	1.3%	0.5%	3.7%	5.7%	88.0%	268	0.7%	0.5%	10.2%	5.4%	8.4%	74.8%
338	2.3%	1.1%	0.2%	8.7%	21.6%	66.0%	338	0.4%	0.0%	33.4%	1.0%	2.4%	62.8%
368	2.0%	1.3%	0.5%	0.7%	6.5%	89.0%	368	0.3%	0.8%	9.5%	6.2%	5.1%	78.1%
94	0.4%	0.1%	2.9%	4.7%	11.4%	80.6%	94	0.1%	0.0%	16.5%	5.5%	5.1%	72.8%
254	3.5%	0.5%	0.8%	5.2%	6.5%	83.5%	254	0.1%	0.8%	14.8%	1.4%	8.3%	74.7%
392	0.7%	0.1%	0.0%	2.1%	5.2%	91.9%	392	0.0%	0.1%	8.0%	0.3%	3.4%	88.3%
4250	5.4%	4.7%	3.1%	4.5%	11.8%	70.5%	4250	1.2%	2.7%	22.5%	9.1%	11.8%	52.8%
435	0.3%	0.6%	0.2%	3.1%	4.0%	91.8%	435	0.0%	0.3%	7.7%	1.1%	3.8%	87.1%
107	1.4%	1.6%	0.0%	1.0%	1.5%	94.5%	107	1.6%	0.0%	3.9%	8.1%	20.3%	66.1%
427	2.1%	0.5%	1.0%	3.0%	10.4%	83.0%	427	0.6%	0.5%	15.0%	3.7%	4.7%	75.7%
384	0.8%	0.5%	0.2%	3.2%	5.5%	89.9%	384	0.0%	0.1%	9.8%	3.5%	4.2%	82.3%
160	3.6%	0.8%	0.6%	7.7%	13.8%	73.6%	160	0.0%	1.5%	24.3%	2.4%	8.7%	63.0%
424	1.0%	0.7%	0.7%	2.6%	4.1%	90.9%	424	0.1%	0.1%	8.2%	3.1%	6.6%	82.0%
539	5.5%	1.0%	1.1%	10.5%	11.2%	70.6%	539	1.1%	1.7%	25.5%	6.4%	6.8%	58.5%
1040	3.1%	1.3%	1.6%	6.2%	10.6%	77.1%	1040	0.5%	1.3%	19.4%	4.5%	5.1%	69.2%
215	2.7%	0.0%	1.3%	4.1%	7.0%	84.9%	215	0.0%	1.2%	12.6%	5.7%	8.8%	71.7%
318	2.2%	0.9%	1.7%	3.0%	8.9%	83.4%	318	0.2%	0.9%	13.8%	10.6%	6.6%	67.9%
116	0.0%	0.0%	0.9%	3.1%	8.0%	88.1%	116	0.0%	0.0%	11.0%	2.1%	6.0%	80.8%
479	1.4%	0.2%	1.1%	5.6%	11.2%	80.5%	479	0.0%	0.5%	17.9%	8.5%	6.9%	66.3%
1045	3.8%	1.8%	1.0%	8.8%	12.9%	71.7%	1045	0.6%	1.5%	25.3%	3.5%	4.9%	64.3%
435	0.5%	0.6%	2.1%	4.4%	8.9%	83.5%	435	0.2%	0.0%	14.1%	4.2%	7.0%	74.4%

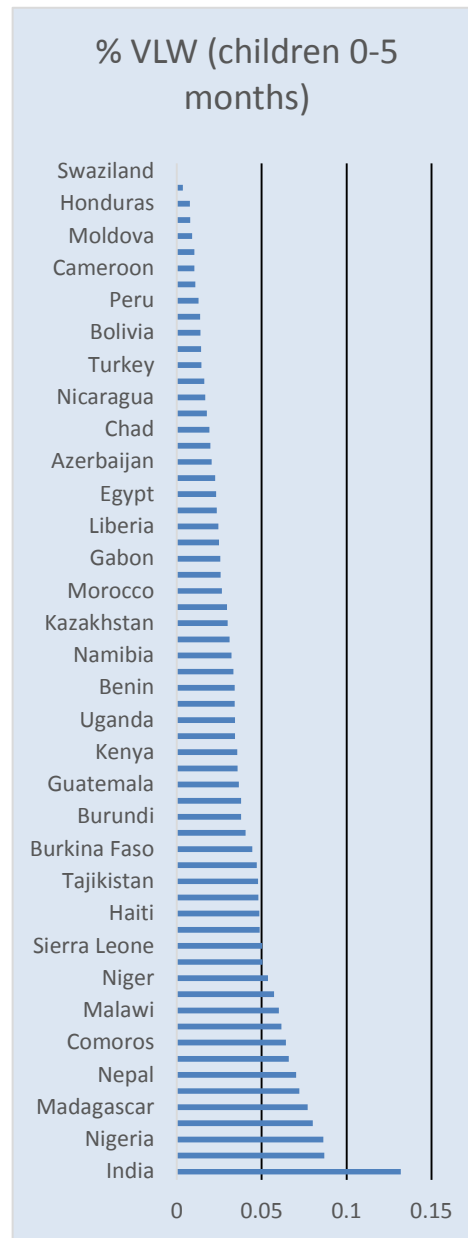
220	3.9%	2.3%	0.9%	3.9%	10.0%	79.2%	220	1.7%	0.2%	18.2%	3.4%	5.7%	70.9%
504	0.1%	0.5%	1.1%	1.0%	5.3%	92.0%	504	0.0%	0.0%	7.0%	2.7%	2.6%	87.7%
619	3.3%	1.6%	0.5%	4.2%	6.7%	83.7%	619	0.3%	2.1%	13.5%	7.1%	10.4%	66.8%
243	4.6%	2.8%	1.2%	14.5%	13.1%	63.8%	243	2.4%	0.4%	32.2%	10.1%	7.8%	47.2%
330	4.7%	1.2%	0.2%	7.3%	11.0%	75.6%	330	0.0%	1.7%	22.5%	6.3%	8.2%	61.3%
1233	1.0%	0.3%	0.0%	2.9%	8.2%	87.6%	1233	0.0%	0.4%	12.0%	1.0%	1.6%	85.0%
403	1.4%	0.6%	0.2%	4.8%	8.0%	84.9%	403	0.2%	0.3%	14.5%	1.7%	4.5%	78.9%
99	5.9%	1.4%	0.0%	23.7%	15.0%	54.1%	99	2.1%	1.0%	42.8%	1.7%	2.8%	49.6%
601	0.8%	0.4%	0.6%	1.5%	4.2%	92.5%	601	0.0%	0.1%	6.8%	1.5%	3.9%	87.6%
397	3.0%	2.0%	0.0%	7.9%	7.5%	79.6%	397	1.3%	1.1%	17.9%	3.0%	4.2%	72.4%
196	0.0%	0.0%	0.0%	5.5%	14.1%	80.4%	196	0.0%	0.0%	19.6%	1.0%	1.5%	77.8%
401	1.4%	1.8%	1.5%	3.9%	8.6%	82.7%	401	0.4%	1.3%	14.1%	10.5%	11.1%	62.6%
591	2.7%	1.2%	0.8%	3.8%	12.0%	79.5%	591	0.8%	0.2%	18.8%	3.1%	5.8%	71.4%
553	3.2%	0.9%	0.9%	12.0%	9.9%	73.0%	553	0.3%	1.0%	24.9%	8.1%	10.3%	55.5%
618	0.6%	1.0%	1.0%	1.3%	7.3%	88.8%	618	0.4%	0.3%	9.4%	3.9%	9.1%	76.9%
331	1.1%	0.3%	0.0%	1.9%	4.1%	92.6%	331	0.0%	0.3%	7.1%	2.4%	4.1%	86.0%
630	1.0%	1.3%	1.1%	2.7%	11.1%	82.7%	630	0.4%	0.9%	14.8%	3.2%	3.8%	76.9%
118	2.8%	2.7%	2.5%	3.5%	12.2%	76.3%	118	0.0%	2.7%	18.5%	17.0%	7.6%	54.1%
484	0.9%	0.1%	0.6%	7.7%	9.2%	81.5%	484	0.0%	0.1%	17.8%	4.5%	3.1%	74.5%
553	1.0%	0.3%	0.1%	2.6%	6.1%	89.9%	553	0.1%	0.2%	9.7%	1.2%	3.5%	85.4%

Very low weight children ONLY							survey	
Nws	Stunted			NOT stunted				
	sev wasted	mod wasted	not wasted	sev wasted	mod wasted	not wasted		
2	43.0%	0.0%	20.4%	36.6%	0.0%	0.0%	albania 2008	1
4	0.0%	27.3%	63.6%	0.0%	9.1%	0.0%	armenia 2010	1
4	0.0%	28.7%	58.4%	13.0%	0.0%	0.0%	azerbaijan 2006	1
39	9.8%	27.2%	48.9%	11.8%	2.3%	0.0%	bangladesh 2007	1
17	5.3%	15.2%	48.3%	21.2%	9.9%	0.0%	benin 2001	1
7	0.0%	0.0%	88.2%	11.8%	0.0%	0.0%	bolivia 1998	1
4	0.0%	23.6%	66.2%	10.2%	0.0%	0.0%	brazil 1996	1
31	10.1%	16.9%	38.9%	25.2%	9.0%	0.0%	burkina_faso 2010	1
13	0.0%	26.0%	63.0%	11.0%	0.0%	0.0%	burundi 2010	1
5	4.4%	24.6%	58.5%	12.5%	0.0%	0.0%	cambodia 2010	1
3	0.0%	33.3%	66.7%	0.0%	0.0%	0.0%	cameroon 1998	1
15	5.0%	11.5%	73.2%	10.4%	0.0%	0.0%	car 1994	1
11	51.9%	4.8%	30.4%	12.9%	0.0%	0.0%	chad 2004	1
29	0.6%	0.8%	91.4%	0.0%	7.3%	0.0%	colombia 2010	1
11	18.2%	18.2%	36.4%	27.3%	0.0%	0.0%	comoros 1996	1
3	0.0%	0.0%	67.6%	25.9%	6.6%	0.0%	congo_brazzaville 2011	1
32	3.2%	25.1%	45.1%	17.4%	5.9%	3.2%	congo_democratic_republic 2013	1
4	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	cote_divoire 1998	1
2	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	dominican_republic 2007	1
23	6.0%	7.9%	71.5%	14.7%	0.0%	0.0%	egypt 2000	1

52	9.1%	19.1%	43.3%	12.3%	16.1%	0.0%	ethiopia 2000	1
9	4.8%	19.2%	43.0%	33.0%	0.0%	0.0%	gabon 2000	1
6	29.9%	18.7%	30.9%	15.8%	4.8%	0.0%	ghana 2003	1
12	10.0%	0.0%	83.2%	6.8%	0.0%	0.0%	guatemala 1998	1
13	6.8%	22.1%	58.9%	12.2%	0.0%	0.0%	guinea 2012	1
3	3.3%	0.0%	10.8%	85.9%	0.0%	0.0%	guyana 2009	1
12	1.8%	15.9%	65.0%	6.3%	11.0%	0.0%	haiti 2005	1
3	0.0%	7.8%	92.2%	0.0%	0.0%	0.0%	honduras 2005	1
560	9.1%	19.6%	47.6%	17.7%	5.9%	0.0%	india 1998	1
4	0.0%	26.9%	59.1%	14.0%	0.0%	0.0%	jordan 1997	1
3	52.8%	0.0%	47.2%	0.0%	0.0%	0.0%	kazakhstan 1995	1
15	15.6%	13.2%	42.7%	28.5%	0.0%	0.0%	kenya 1993	1
5	0.0%	8.0%	81.5%	10.5%	0.0%	0.0%	kyrgyzstan 2012	1
7	0.0%	30.8%	57.3%	11.9%	0.0%	0.0%	lesotho 2004	1
10	4.7%	3.5%	61.8%	4.7%	25.4%	0.0%	liberia 2007	1
41	14.9%	22.0%	48.3%	12.3%	2.5%	0.0%	madagascar 2003	1
62	8.6%	22.0%	42.5%	21.9%	5.1%	0.0%	malawi 2000	1
8	0.0%	29.8%	37.4%	32.8%	0.0%	0.0%	maldives 2009	1
15	4.4%	18.3%	41.5%	21.4%	14.4%	0.0%	mali 2012	1
1	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	moldova 2005	1
12	0.0%	19.2%	40.9%	39.9%	0.0%	0.0%	morocco 2003	1
68	8.6%	22.3%	54.4%	14.7%	0.0%	0.0%	mozambique 2011	1
14	6.4%	0.0%	28.0%	59.9%	5.8%	0.0%	namibia 2006	1

15	23.8%	2.2%	61.9%	8.9%	3.3%	0.0%	nepal 2011	1
8	0.0%	0.0%	36.3%	27.5%	36.2%	0.0%	nicaragua 2001	1
33	4.7%	38.3%	47.0%	9.6%	0.0%	0.4%	niger 2012	1
20	27.7%	4.6%	53.4%	14.3%	0.0%	0.0%	nigeria 1999	1
20	0.0%	20.2%	76.2%	3.6%	0.0%	0.0%	pakistan 2012	1
15	0.0%	27.8%	70.5%	1.8%	0.0%	0.0%	peru 1996	1
9	8.2%	11.4%	72.5%	7.8%	0.0%	0.0%	rwanda 2005	1
7	29.7%	13.5%	56.8%	0.0%	0.0%	0.0%	sao_tome_and_principe 2008	1
10	0.0%	7.3%	60.3%	29.0%	3.5%	0.0%	senegal 2012	1
20	26.5%	21.7%	51.8%	0.0%	0.0%	0.0%	sierra_leone 2013	1
0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	swaziland 2006	1
19	8.1%	27.3%	32.8%	23.7%	8.1%	0.0%	tajikistan 2012	1
27	16.3%	3.5%	64.1%	13.2%	2.9%	0.0%	tanzania 1996	1
27	5.5%	13.8%	63.3%	17.4%	0.0%	0.0%	timor_leste 2009	1
16	16.9%	12.1%	31.3%	28.3%	11.4%	0.0%	togo 1998	1
4	0.0%	21.4%	78.6%	0.0%	0.0%	0.0%	turkey 1993	1
21	12.1%	25.5%	29.1%	26.3%	6.9%	0.0%	uganda 1995	1
9	0.0%	33.6%	35.6%	30.8%	0.0%	0.0%	uzbekistan 1996	1
7	0.0%	7.3%	54.1%	27.4%	11.2%	0.0%	zambia 2007	1
7	4.8%	15.6%	74.9%	4.8%	0.0%	0.0%	zimbabwe 2010	1

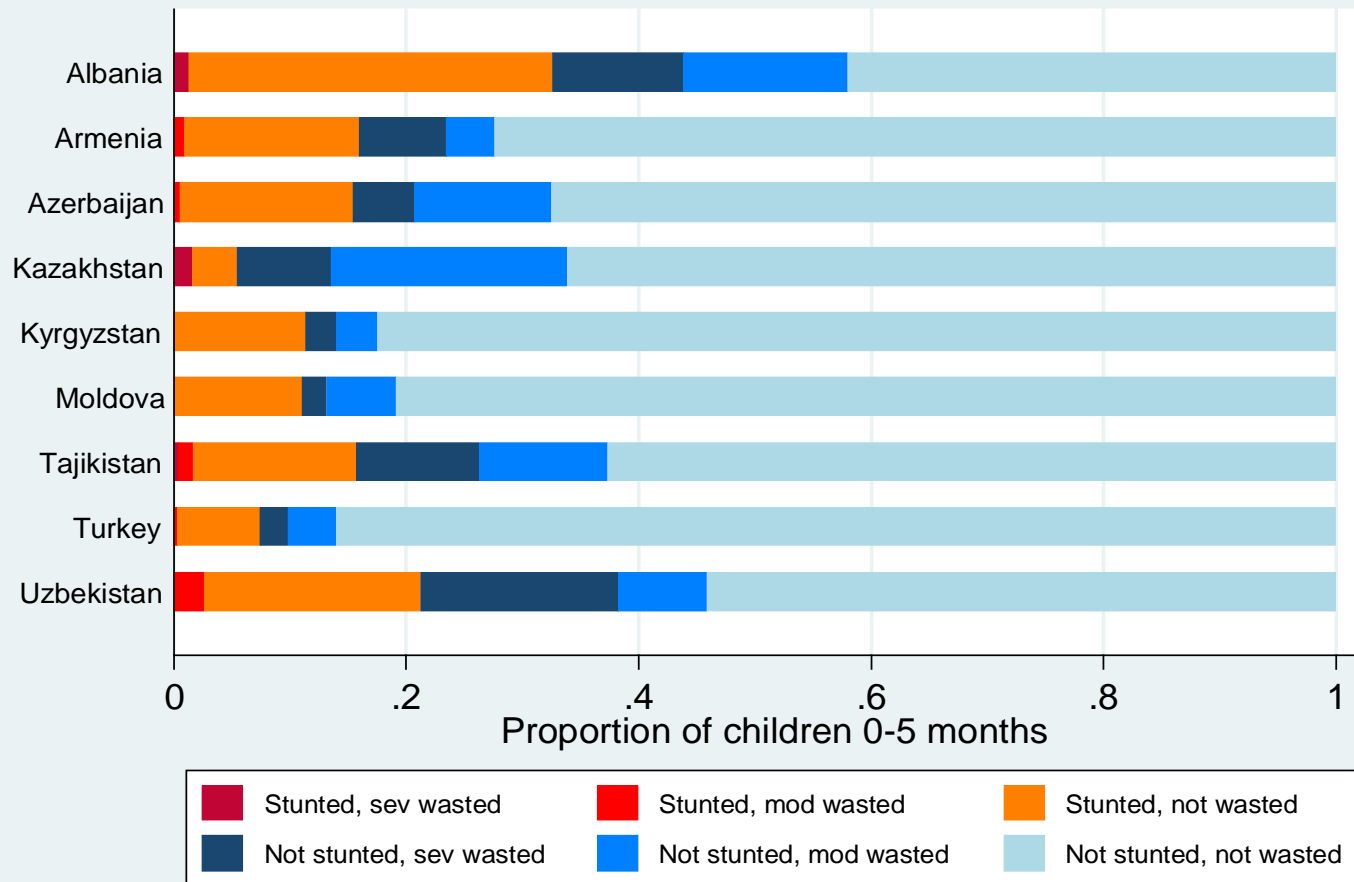
Country	% VLW	Year
India	0.1319773	1998
Bangladesh	0.0869154	2007
Nigeria	0.086372	1999
Uzbekistan	0.0800406	1996
Madagascar	0.0771037	2003
S Tome & Pri	0.0722434	2008
Nepal	0.0702217	2011
Mozambique	0.0659229	2011
Comoros	0.0643275	1996
Pakistan	0.0615775	2012
Malawi	0.0601667	2000
Ethiopia	0.0573198	2000
Niger	0.0537634	2012
Timor-Leste	0.0505025	2009
Sierra Leone	0.0503484	2013
Lesotho	0.0488816	2004
Haiti	0.0486177	2005
Mali	0.0480824	2012
Tajikistan	0.047807	2012
Tanzania	0.0470974	1996
Burkina Faso	0.0444503	2010
Maldives	0.0405891	2009
Burundi	0.0379569	2010
Guinea	0.0378785	2012
Guatemala	0.0366624	1998
CAR	0.0359021	1994
Kenya	0.0357141	1993
Armenia	0.0343916	2010
Uganda	0.0343553	1995
Congo, DR	0.0341821	2013
Benin	0.034067	2001
Guyana	0.0332999	2009
Namibia	0.0323034	2006
Albania	0.0310188	2008
Kazakhstan	0.029985	1995



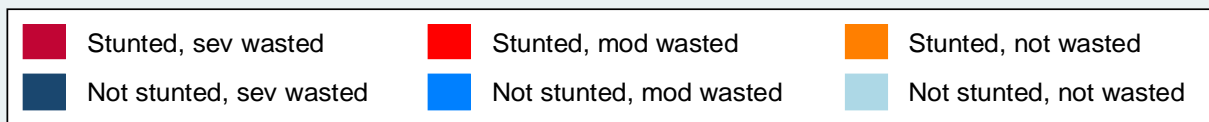
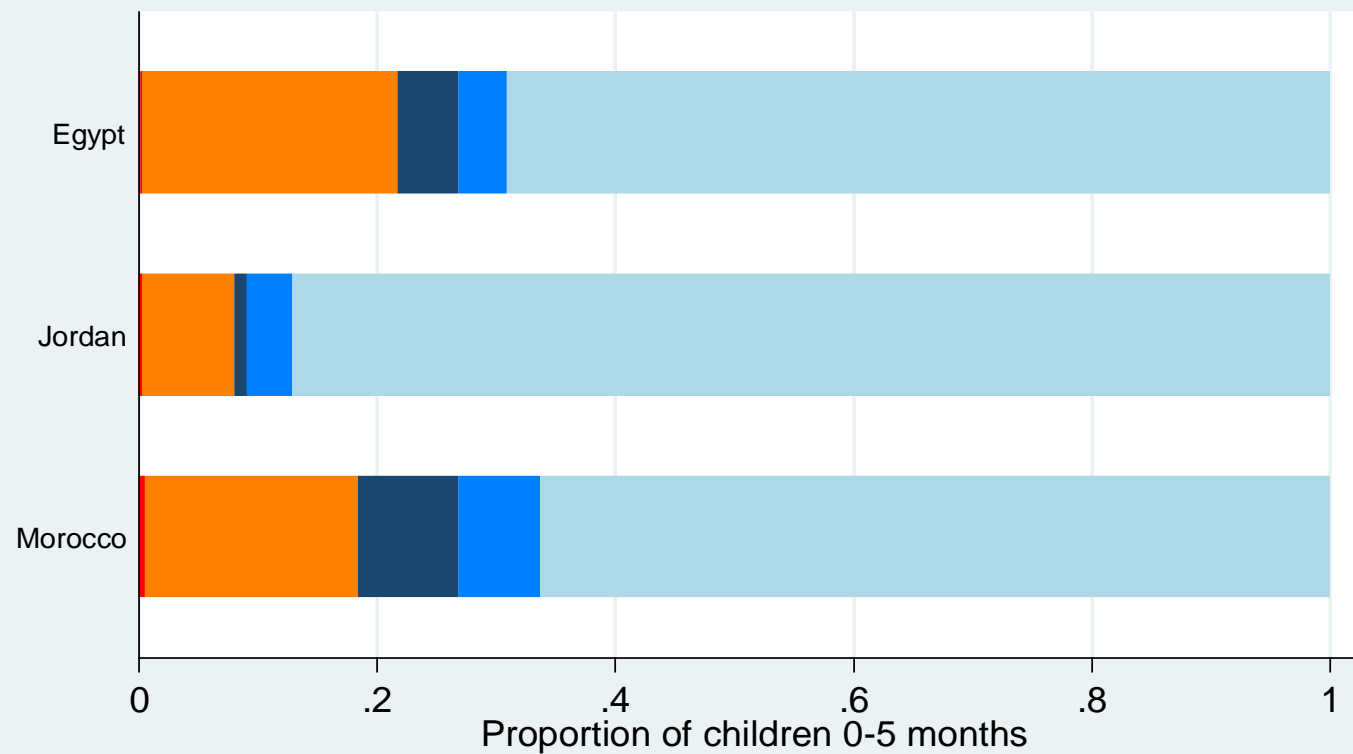


Côte d'Ivoire	0.0295669	1998
Morocco	0.0266124	2003
Togo	0.025912	1998
Gabon	0.0256582	2000
Ghana	0.024865	2003
Liberia	0.0244492	2007
Colombia	0.0234896	2010
Egypt	0.0231392	2000
Rwanda	0.0226272	2005
Azerbaijan	0.0205336	2006
Cambodia	0.0197716	2010
Chad	0.0192265	2004
Senegal	0.0176685	2012
Nicaragua	0.0168292	2001
Zambia	0.0162766	2007
Turkey	0.0145396	1993
Kyrgyzstan	0.0143122	2012
Bolivia	0.0140301	1998
Zimbabwe	0.0137786	2010
Peru	0.0127881	1996
Jordan	0.0108589	1997
Cameroon	0.0103278	1998
Brazil	0.0103116	1996
Moldova	0.0091356	2005
Congo	0.0078429	2011
Honduras	0.0077517	2005
Dominican R	0.0035043	2007
Swaziland	0	2006

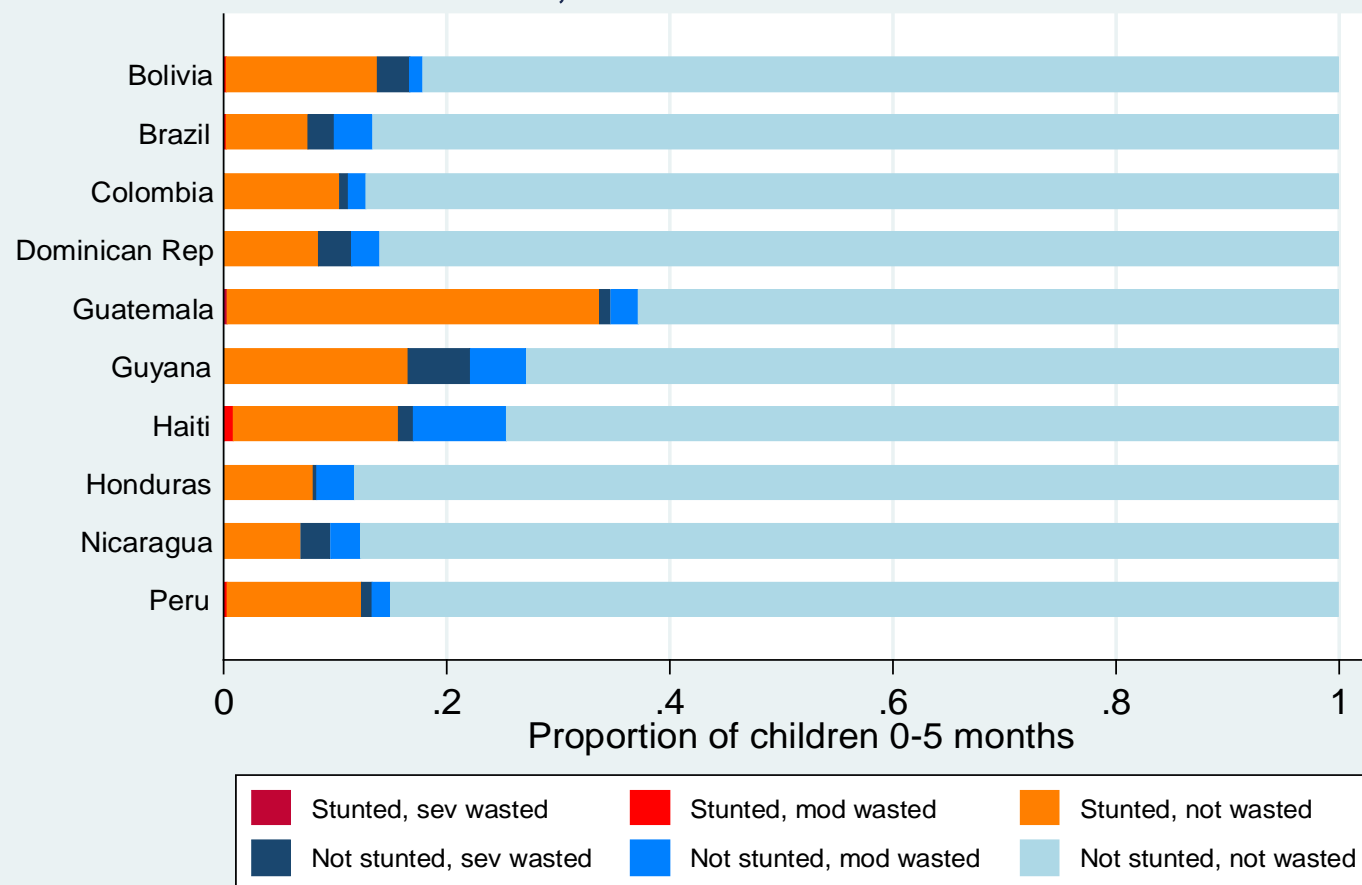
## CEE & CIS



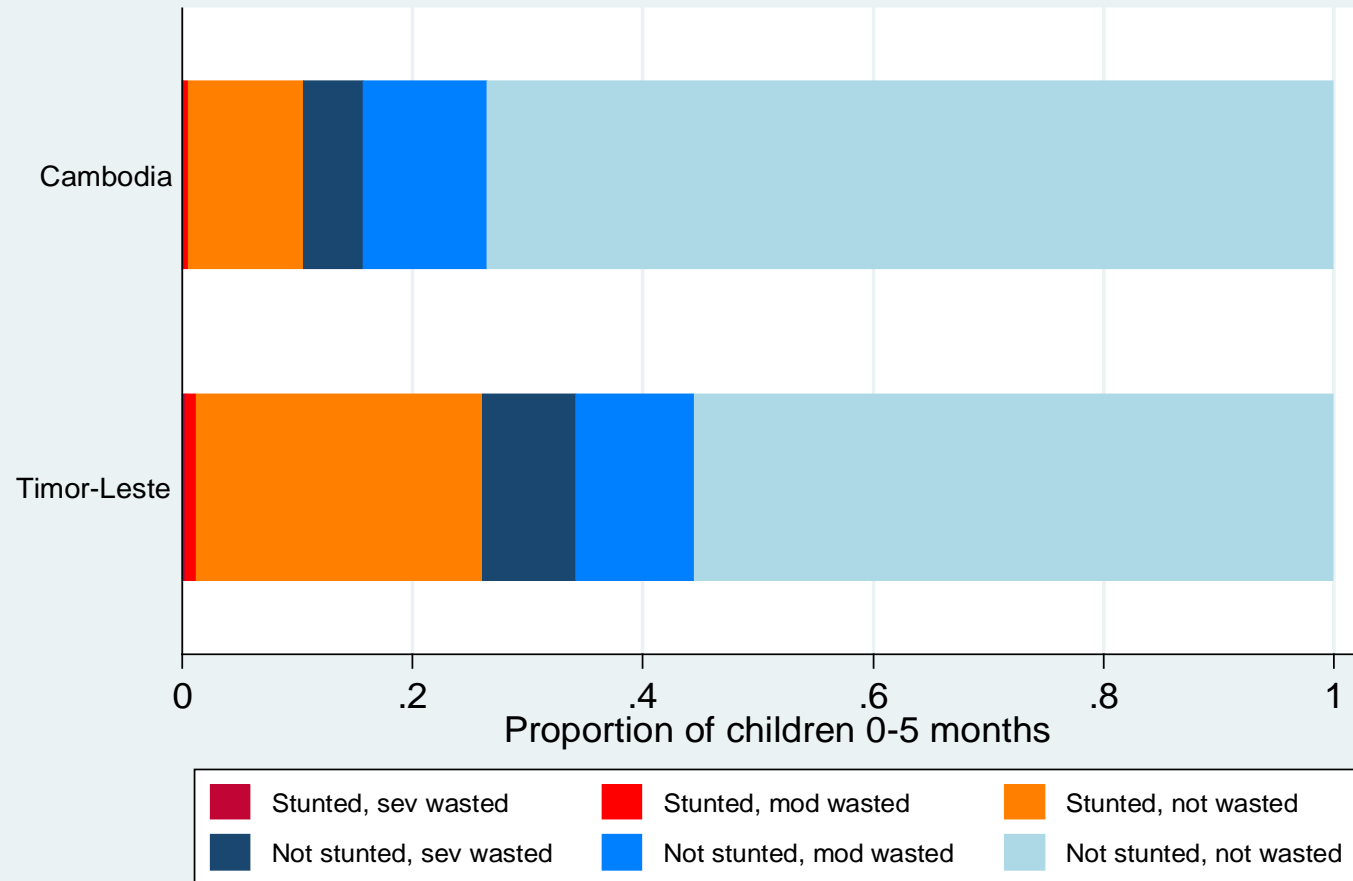
## Middle East & North Africa



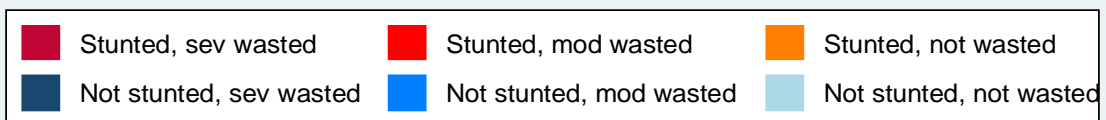
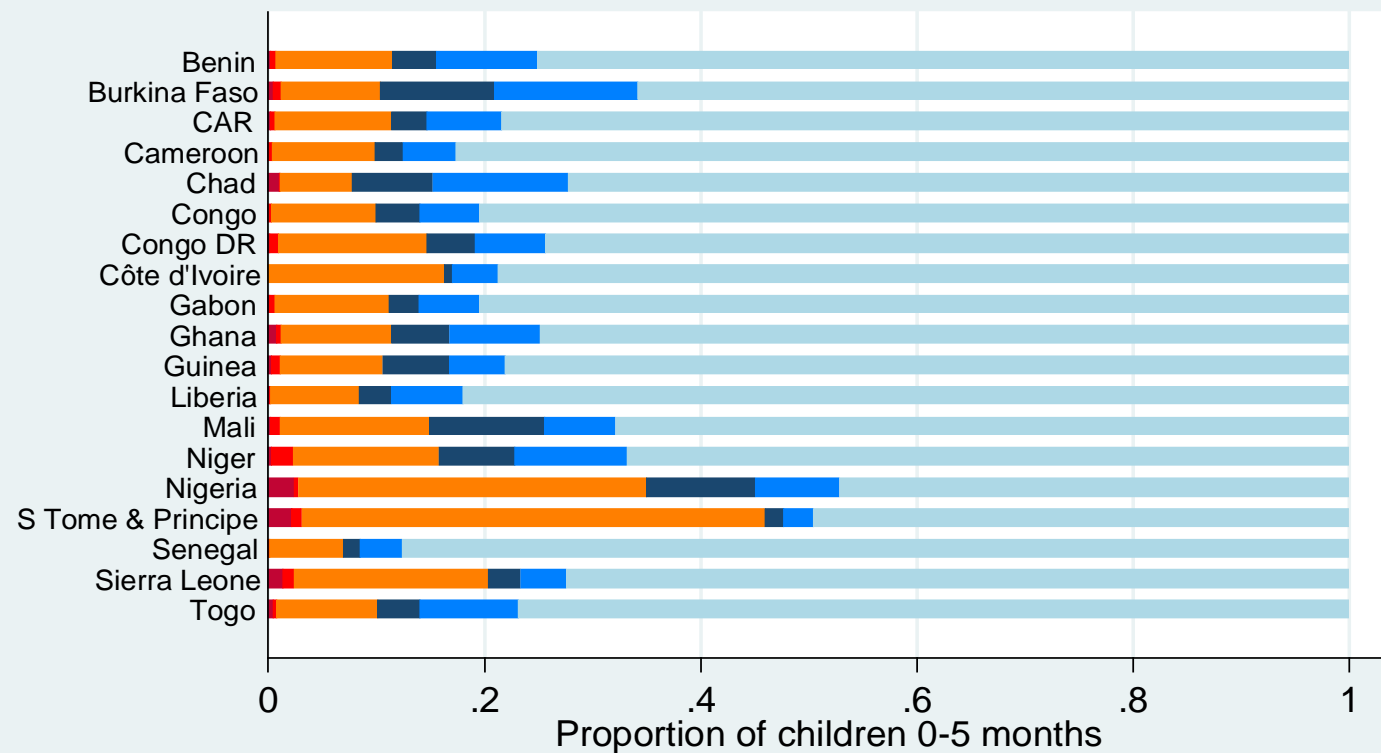
## Central, South America & Caribbean



## East Asia & Pacific

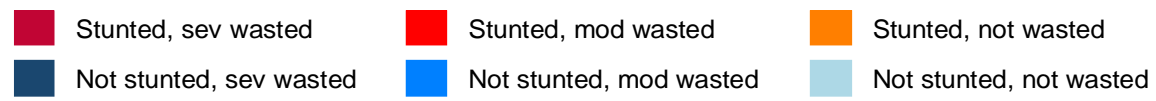
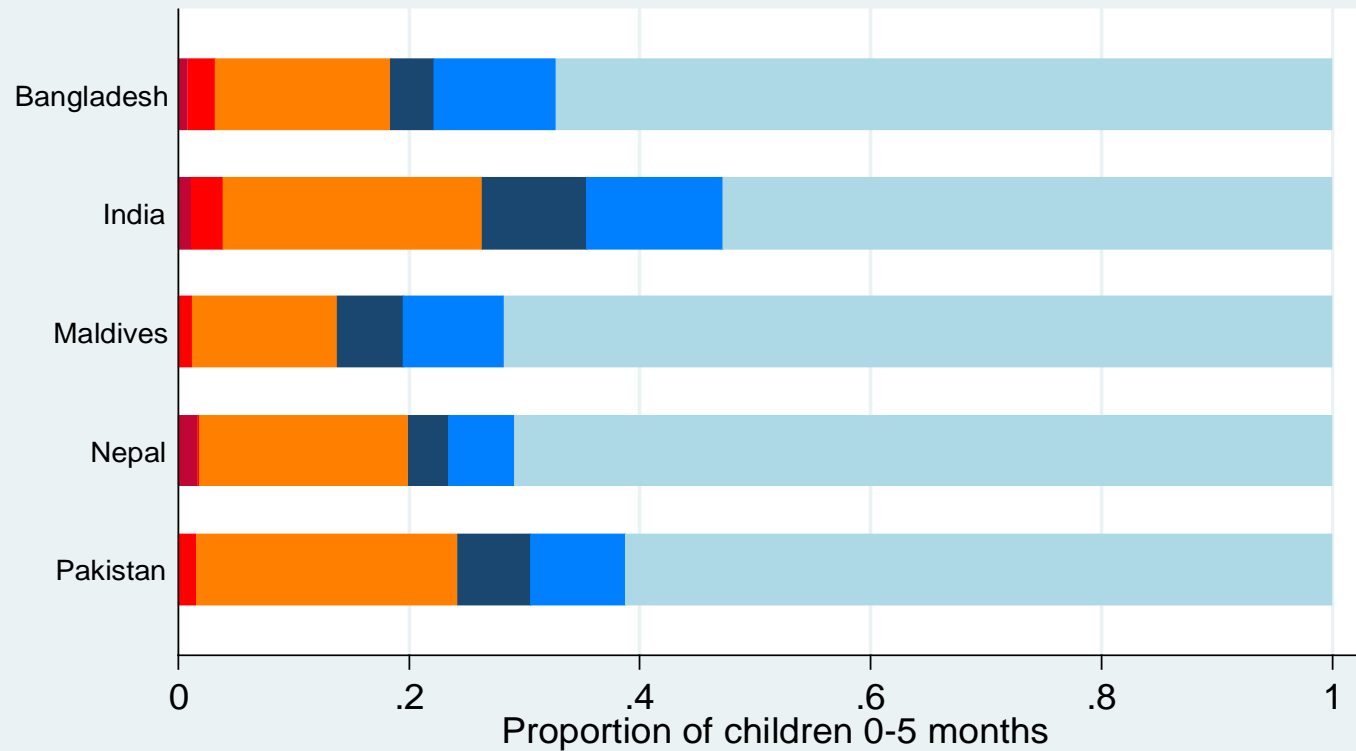


## West & Central Africa



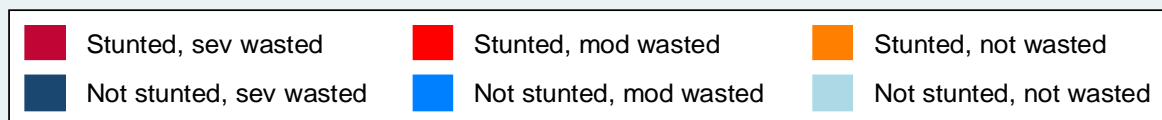
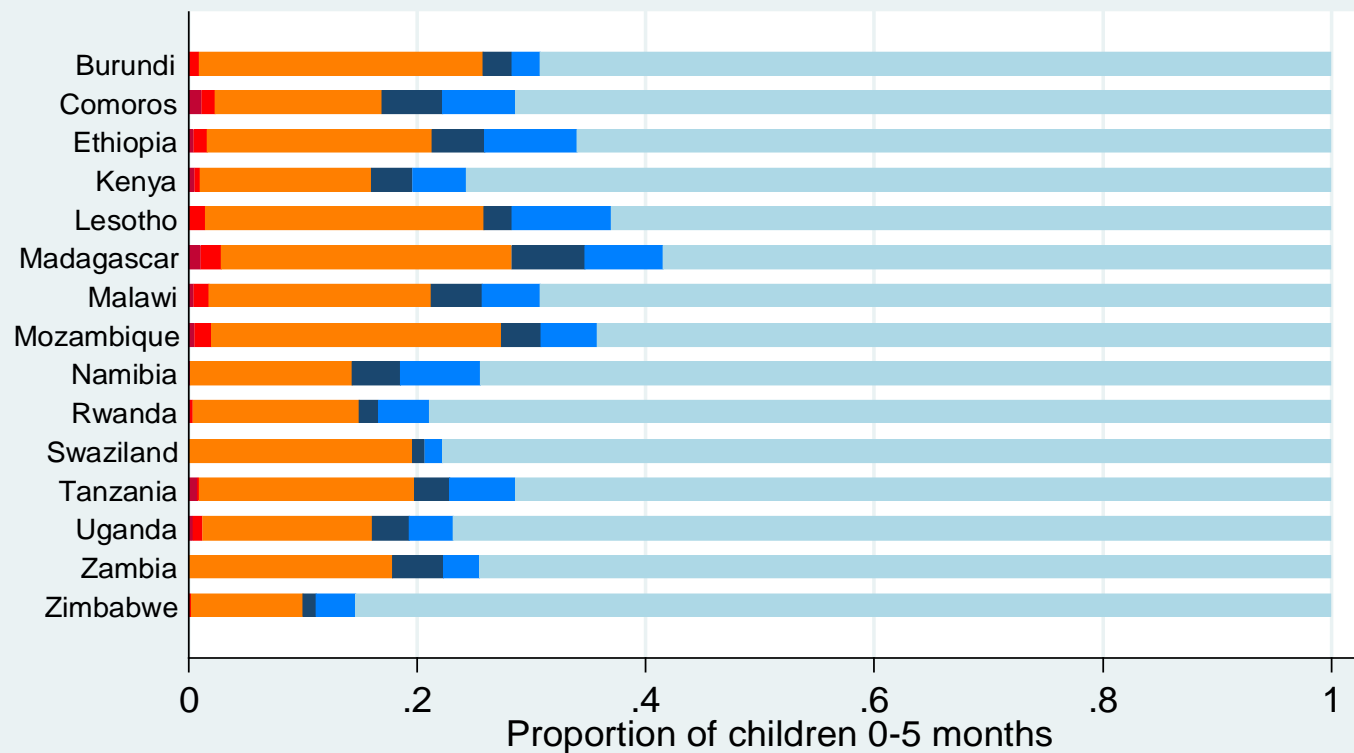


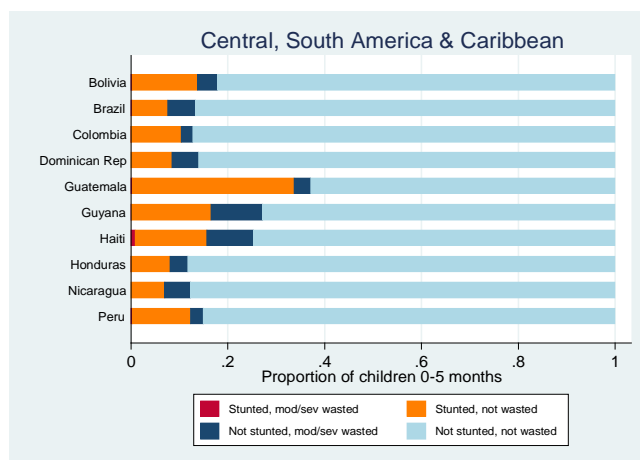
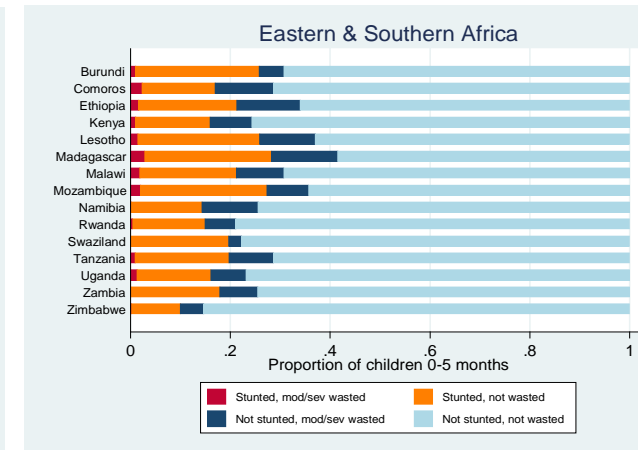
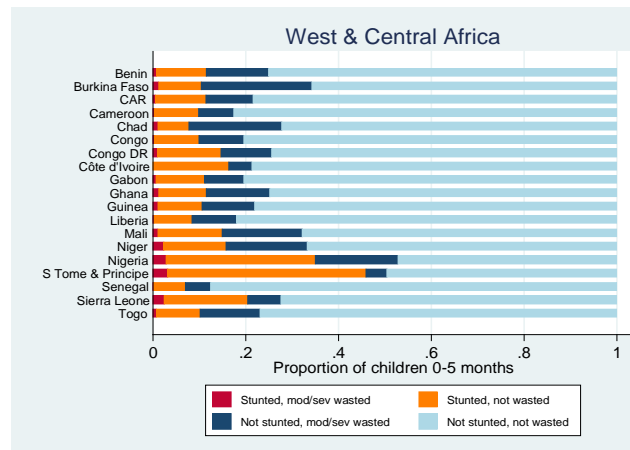
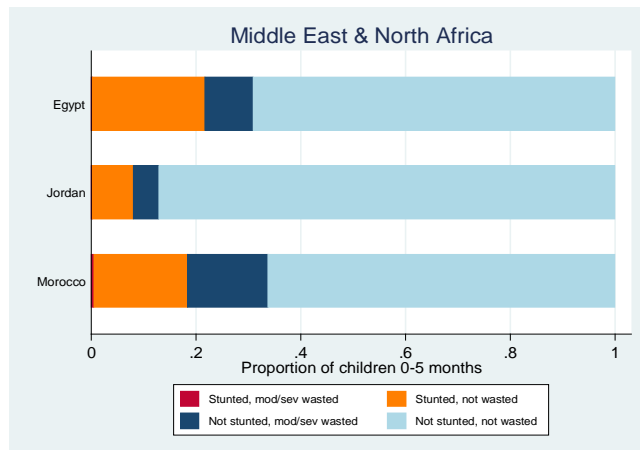
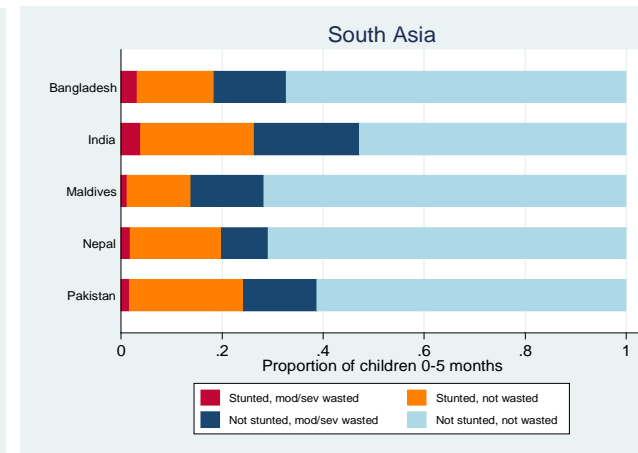
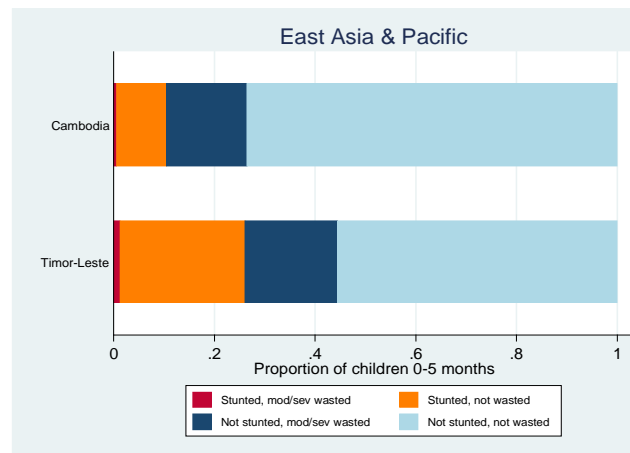
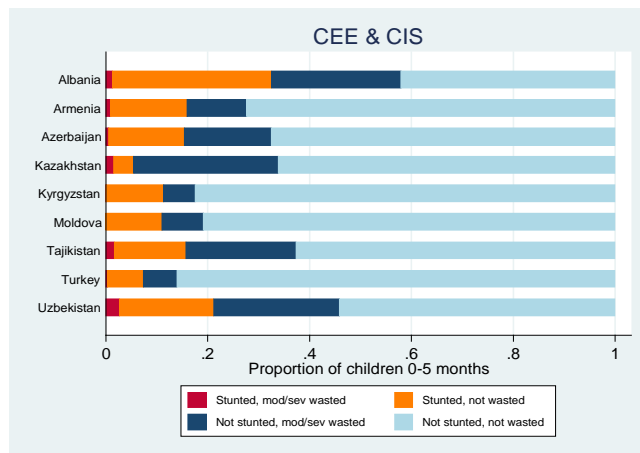
## South Asia





## Eastern & Southern Africa





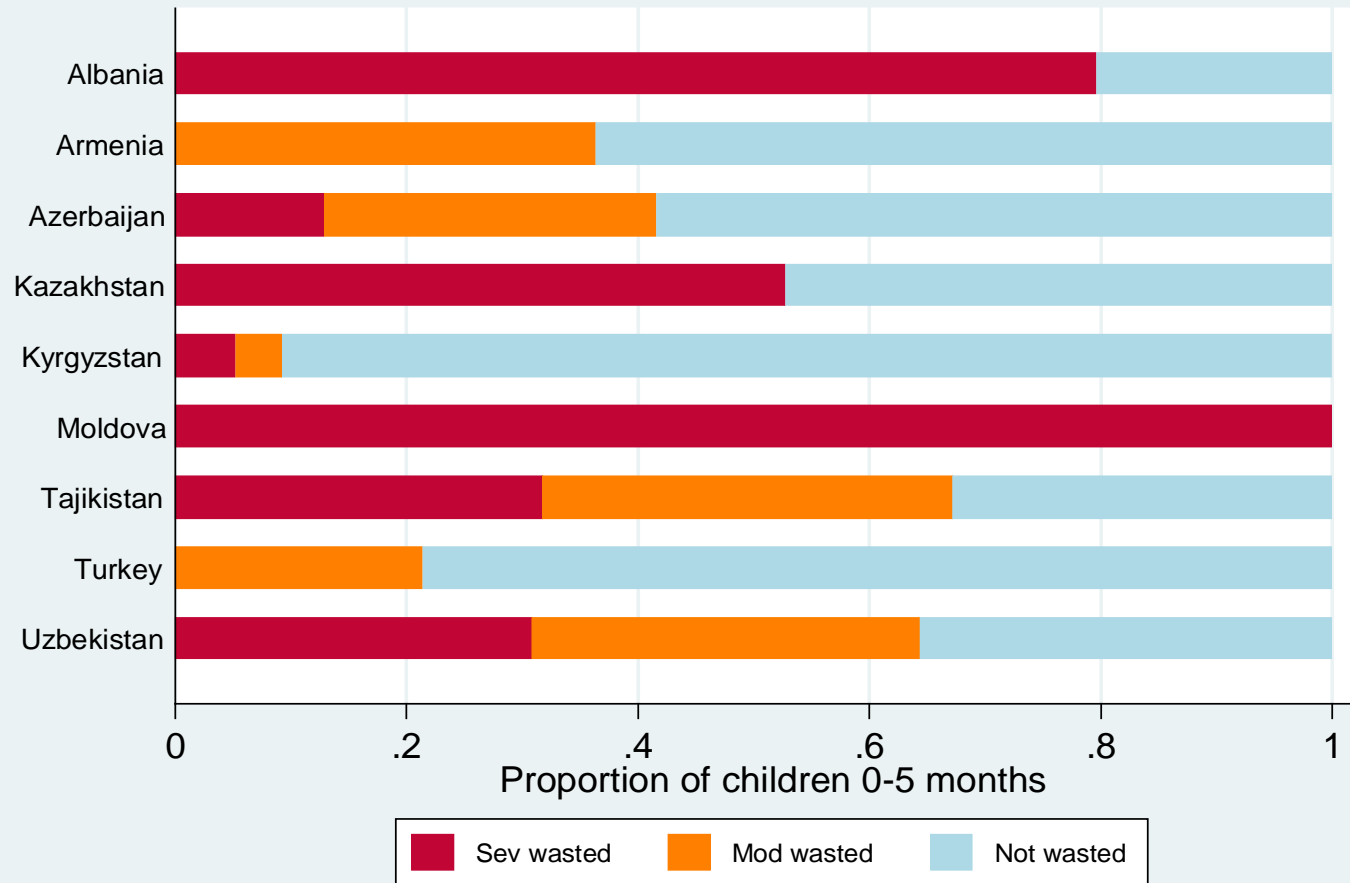
**Denominator:** All infants 0-5 months of age

**Categories:**

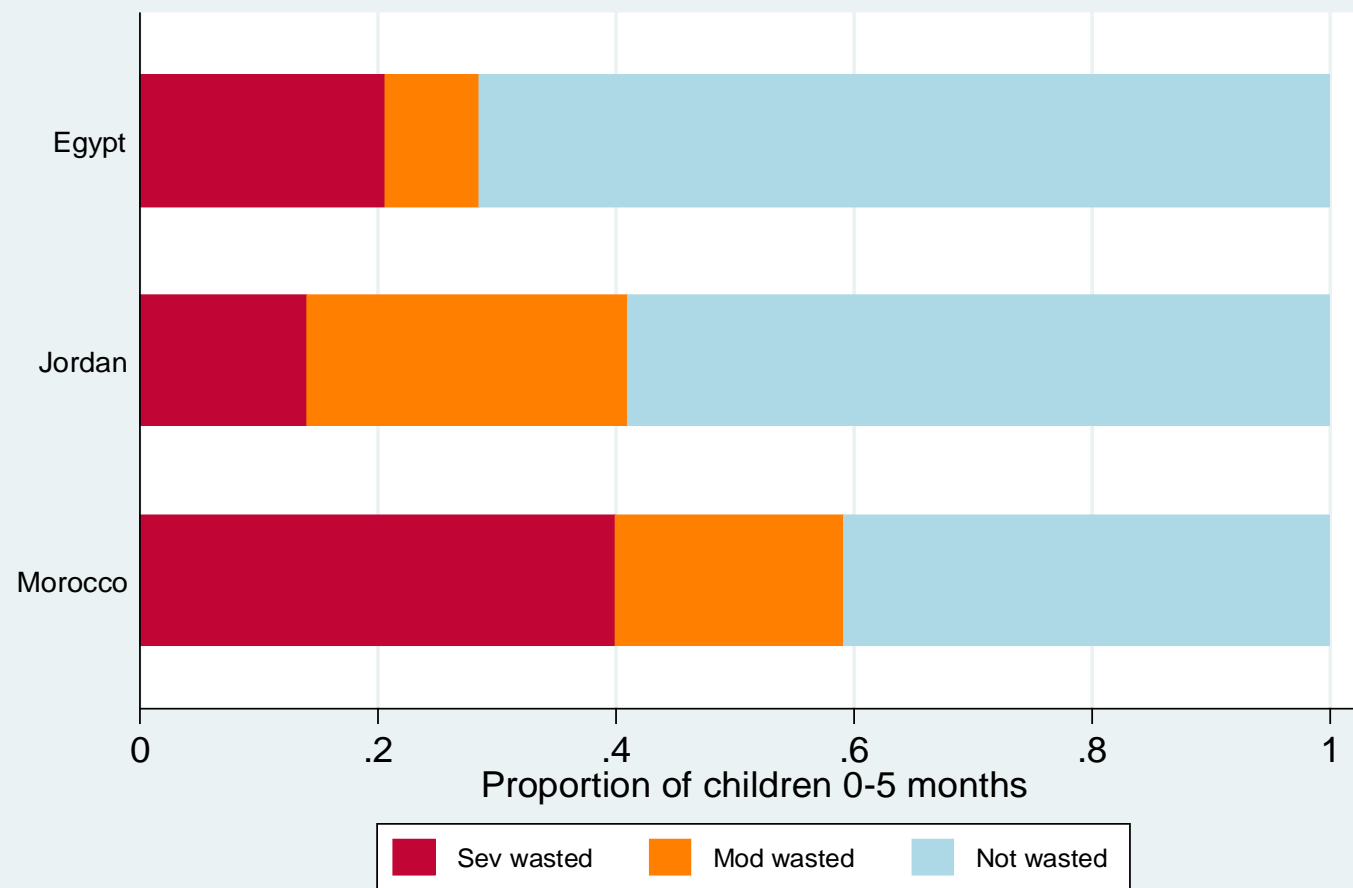
- Stunted + wasted (moderate and severe)
- Not stunted + wasted (moderate and severe)
- Stunted, not wasted
- Not stunted, not wasted

Barros 2015. Commissioned for WHO

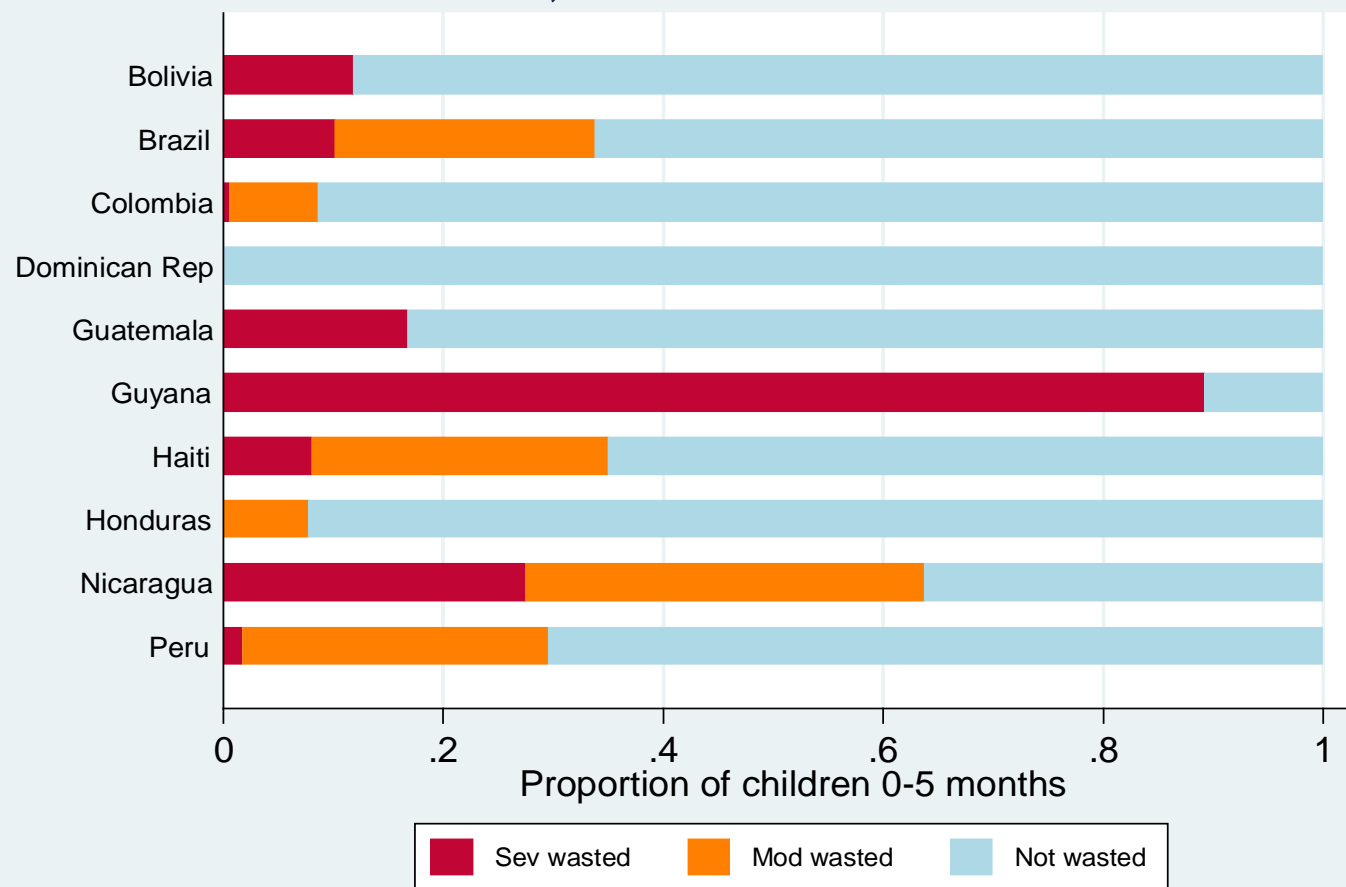
## CEE & CIS



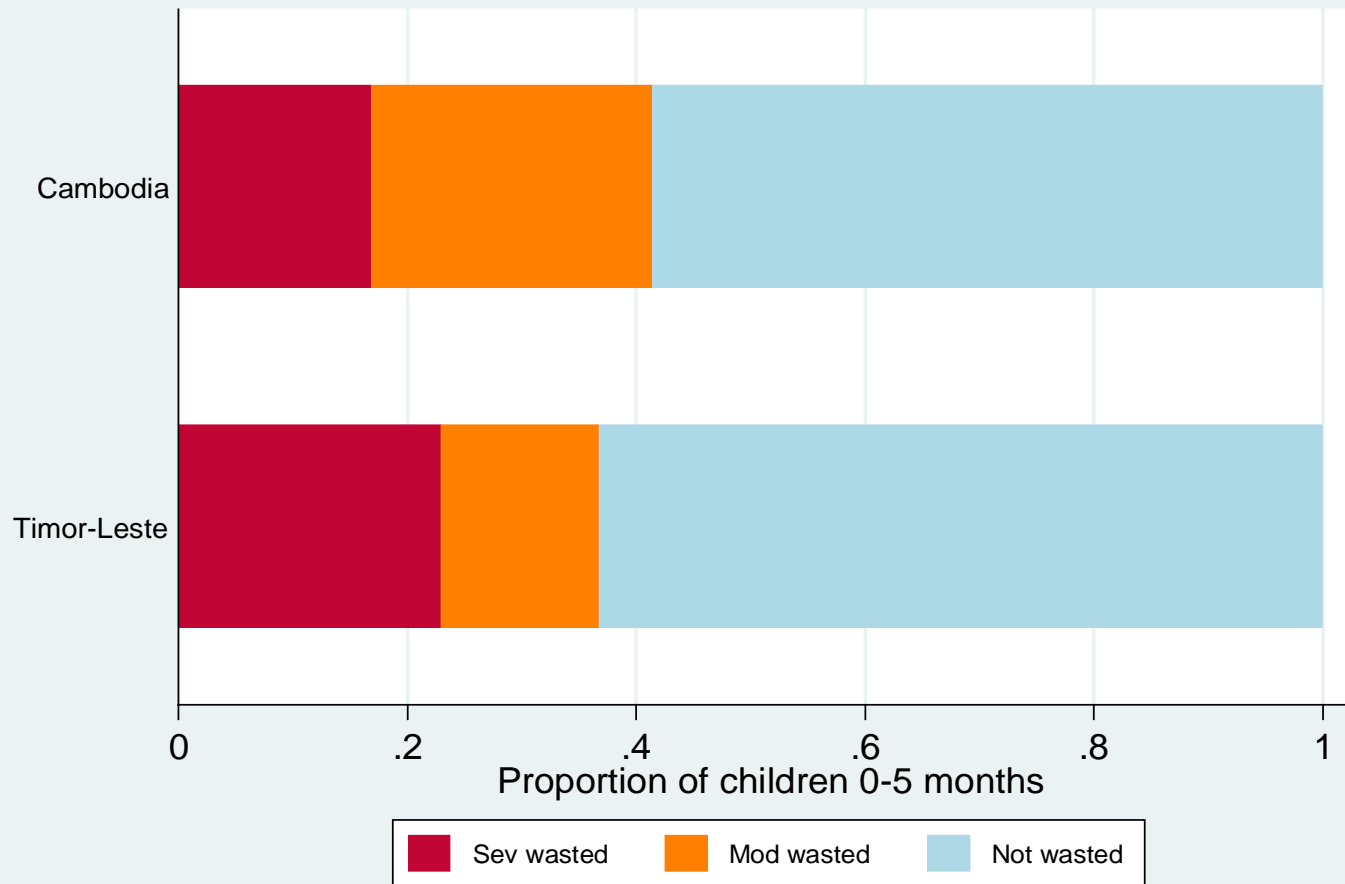
## Middle East & North Africa



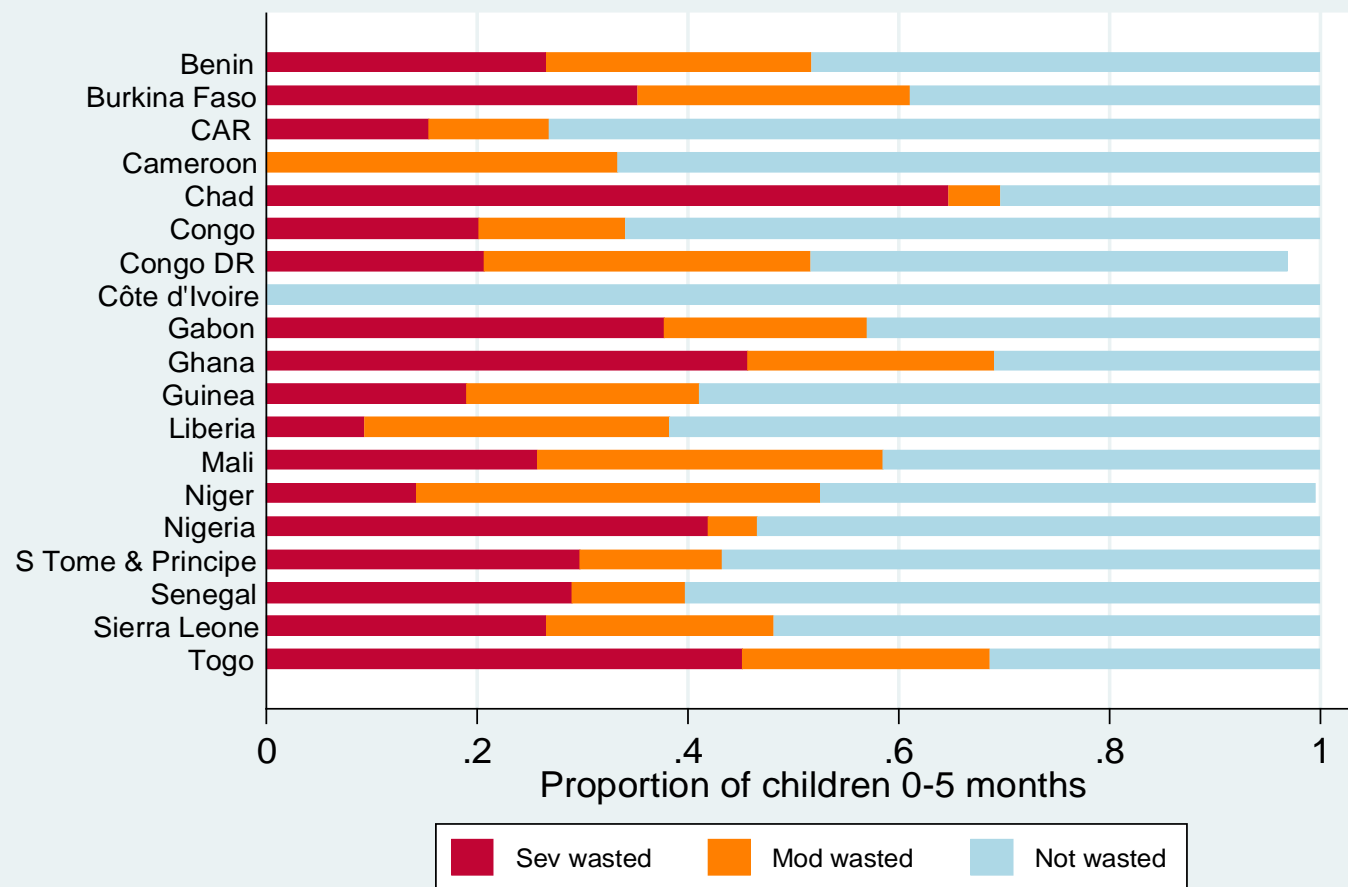
## Central, South America & Caribbean



## East Asia & Pacific



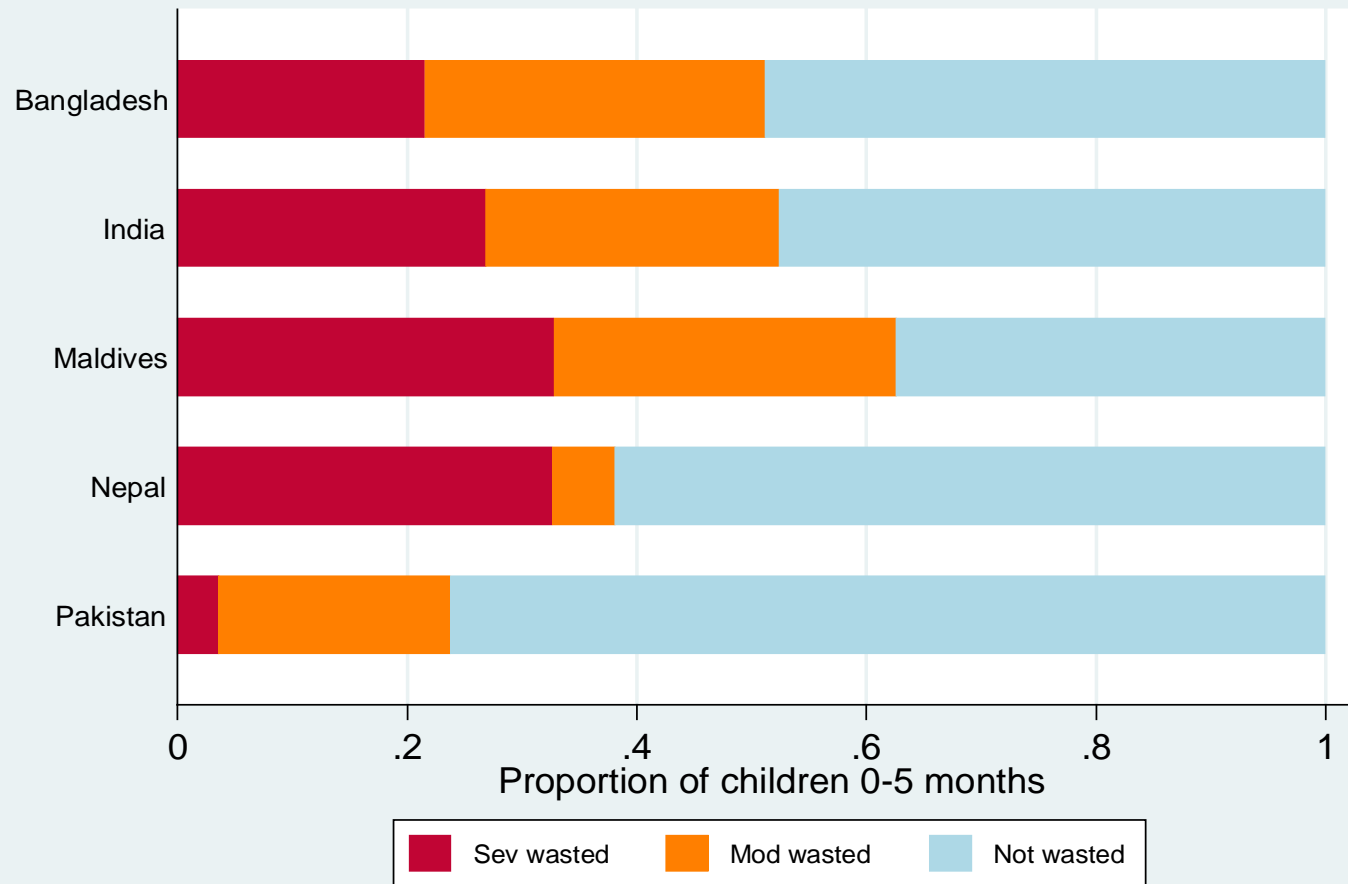
## West & Central Africa



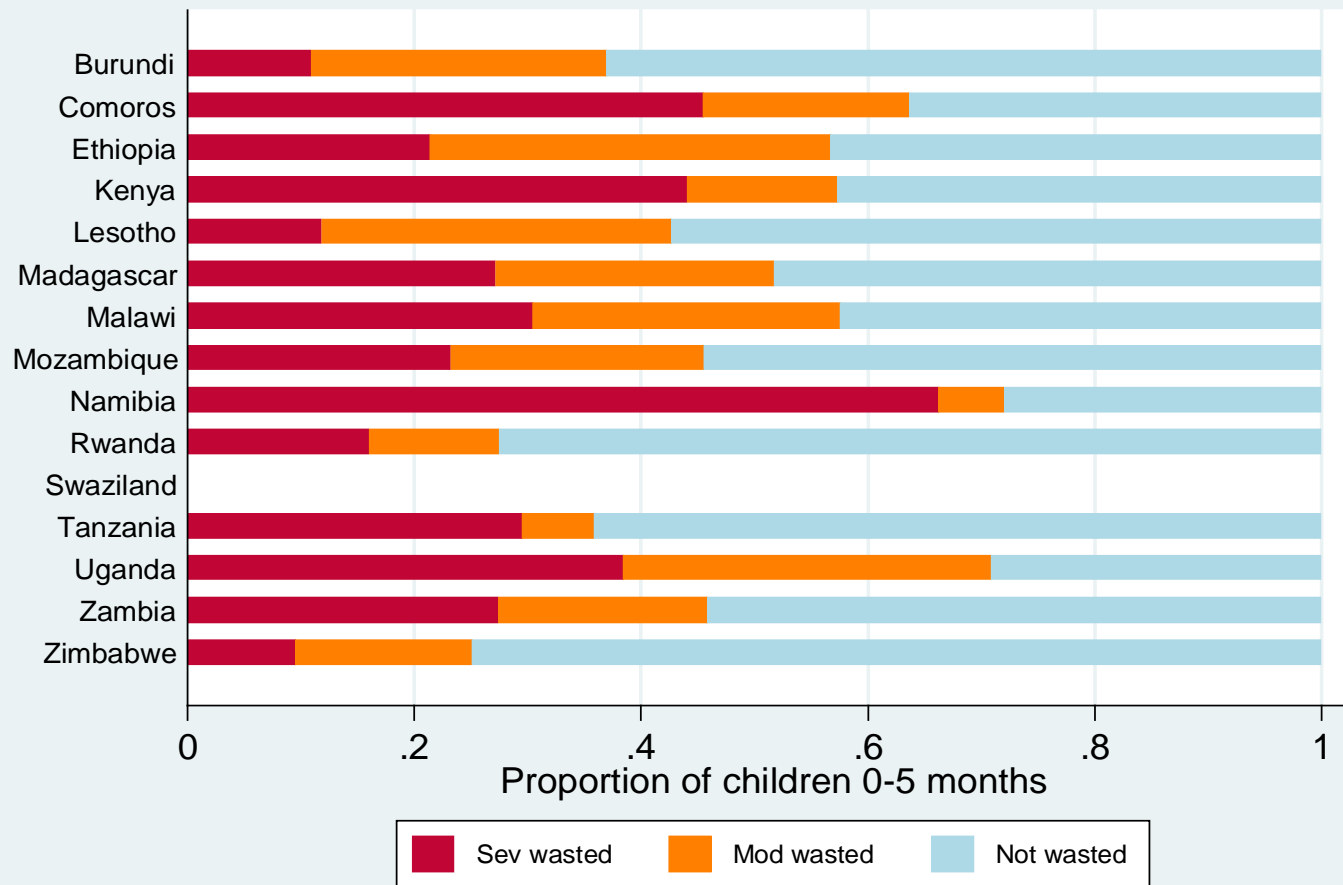




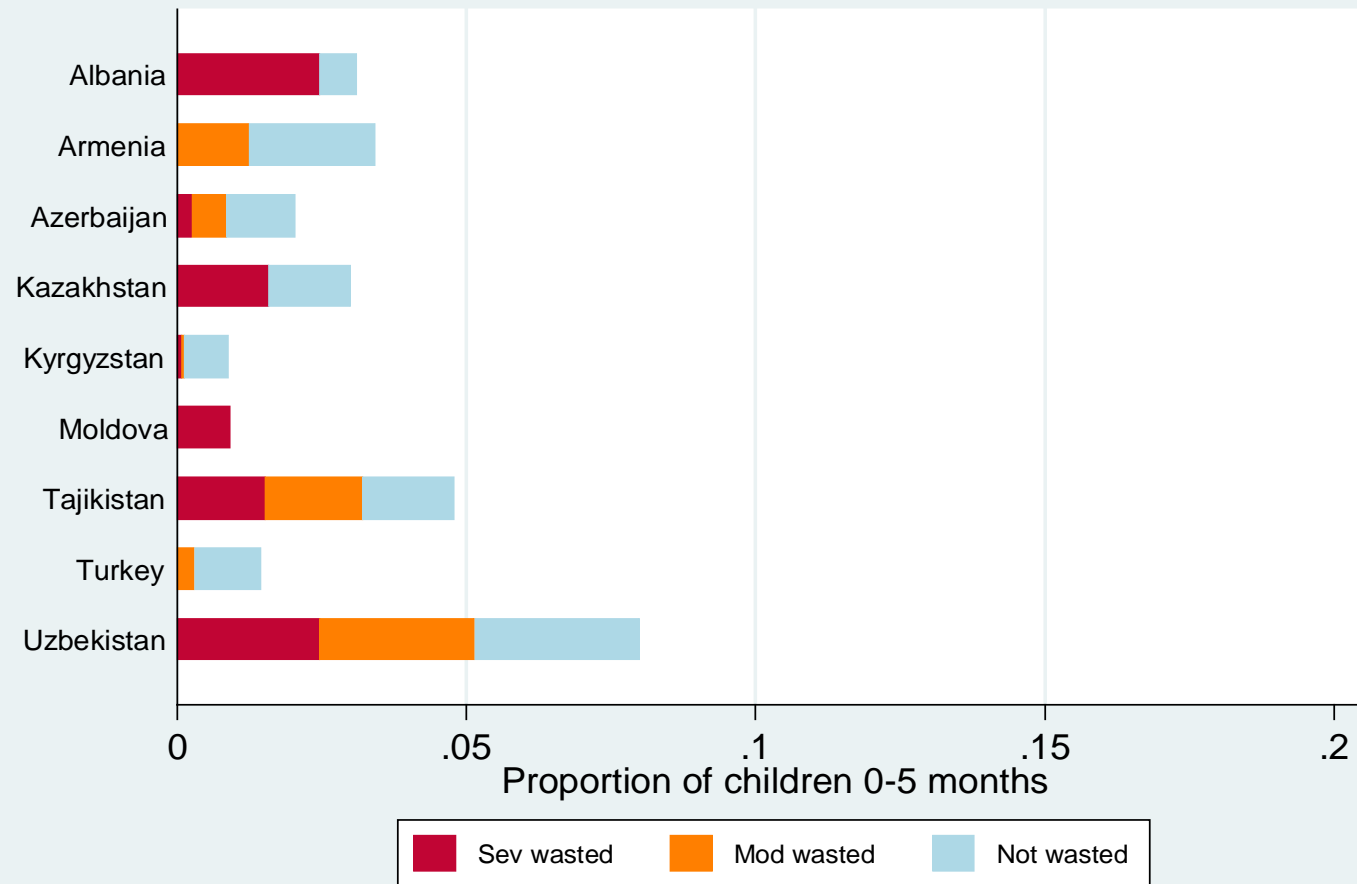
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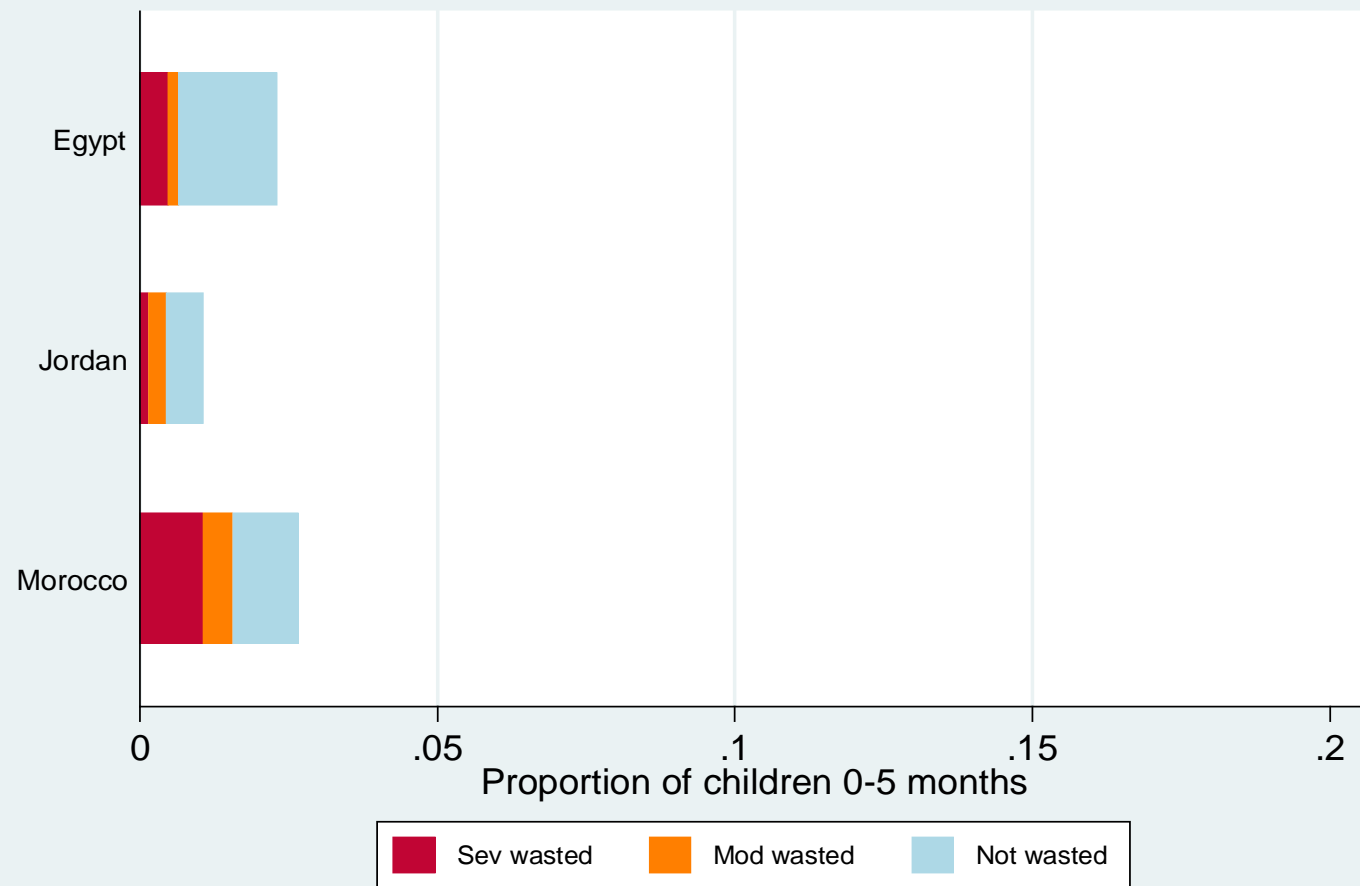
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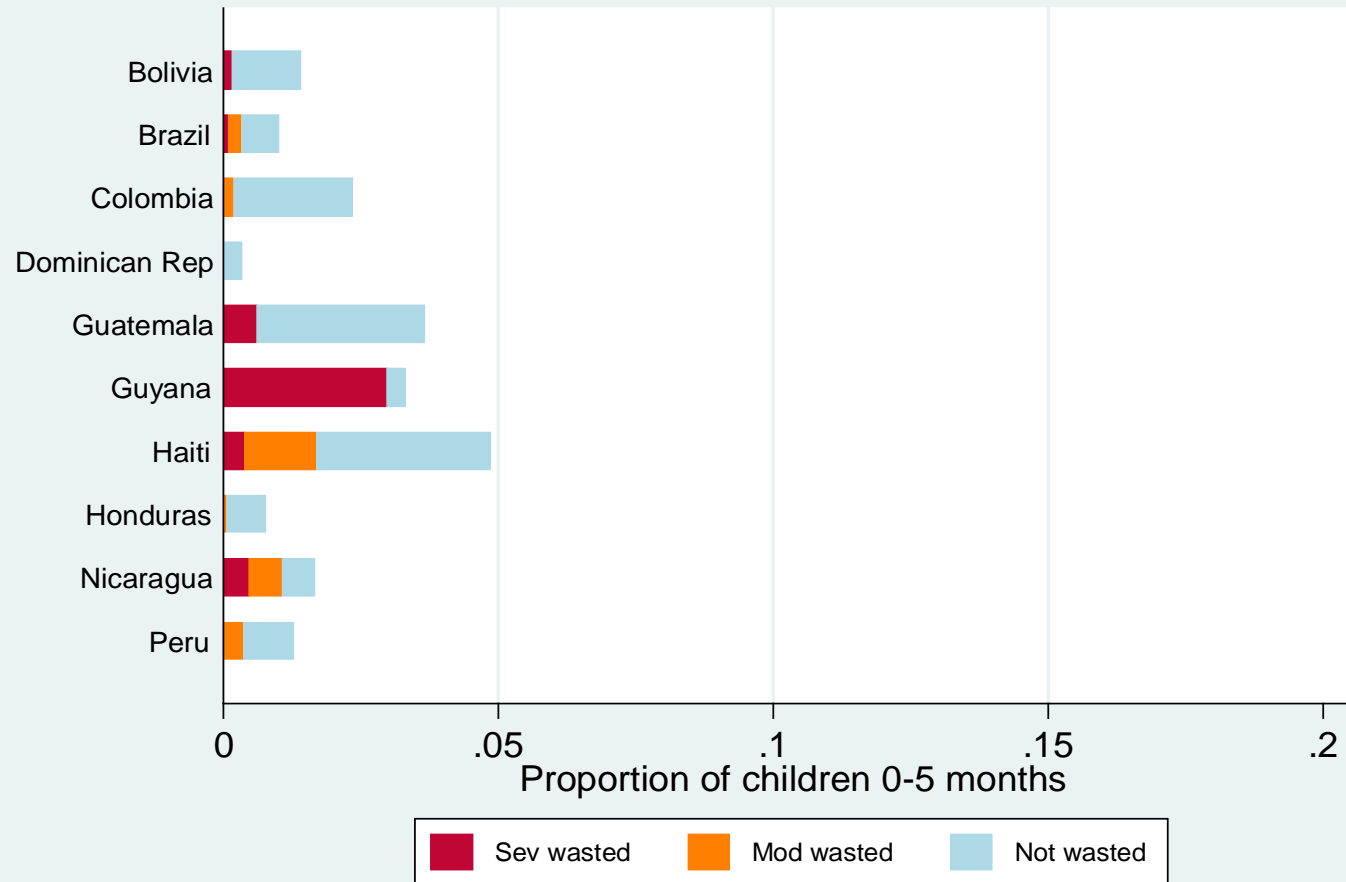
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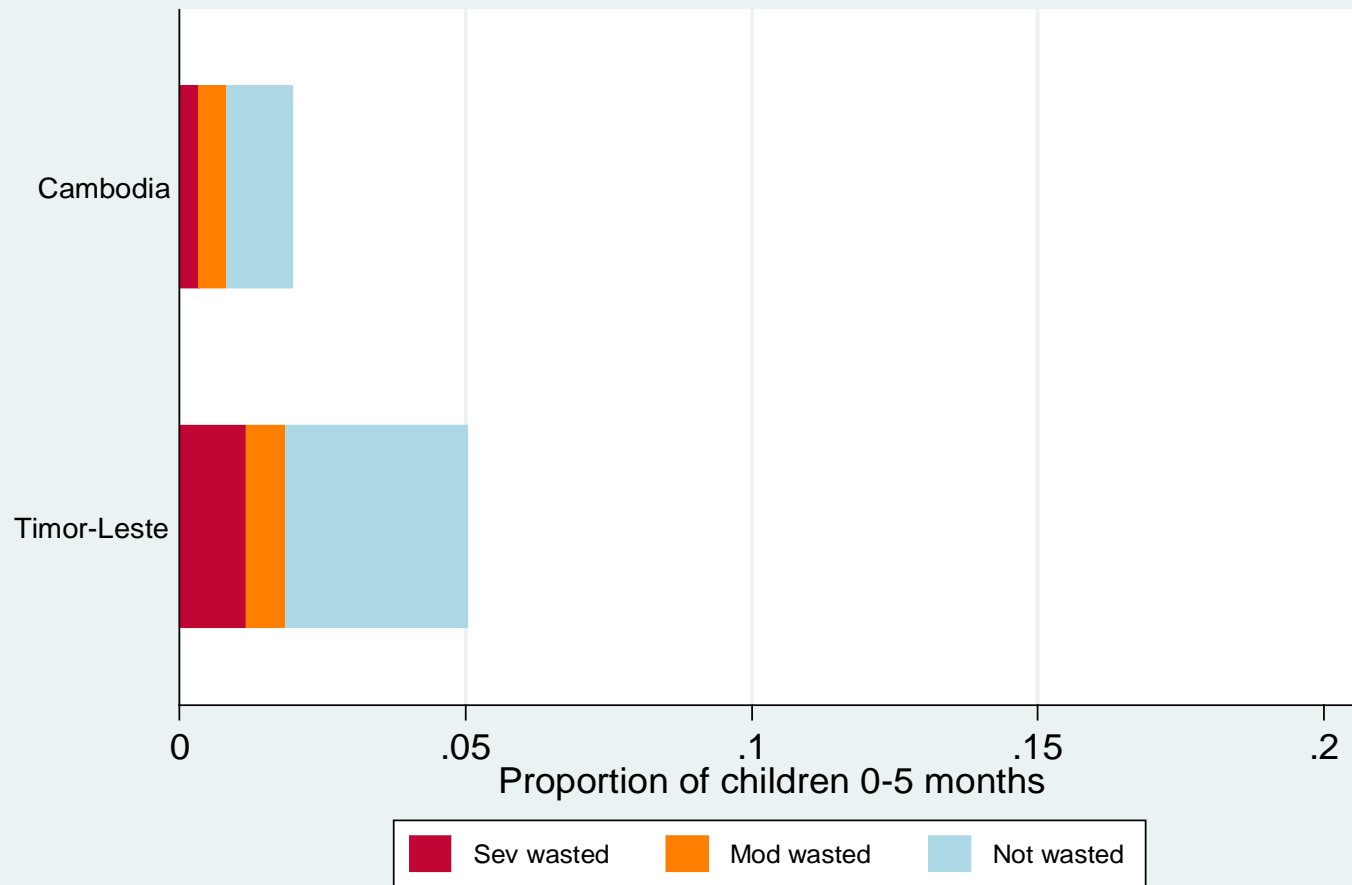
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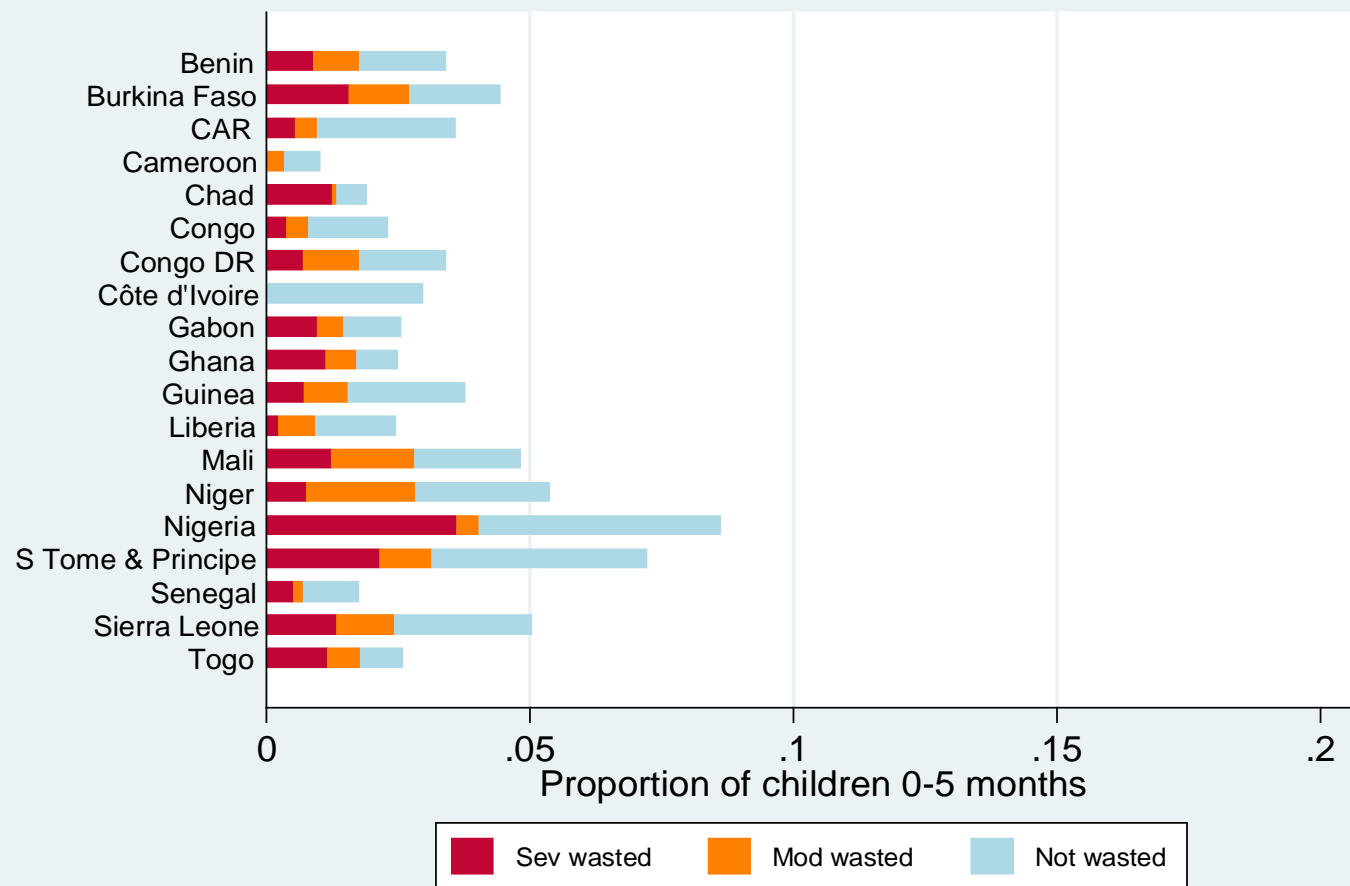
## Central, South America & Caribbean



## East Asia & Pacific



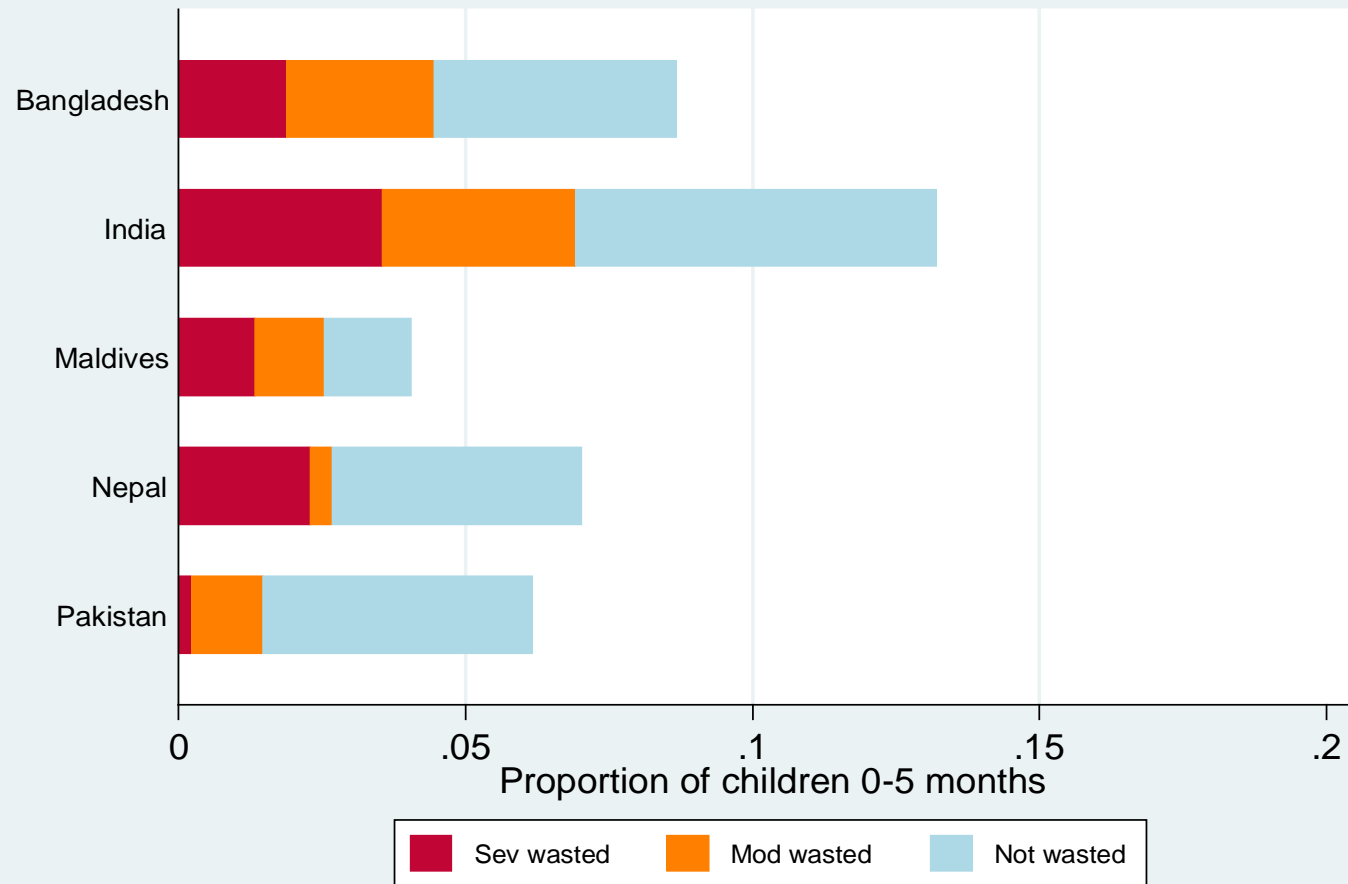
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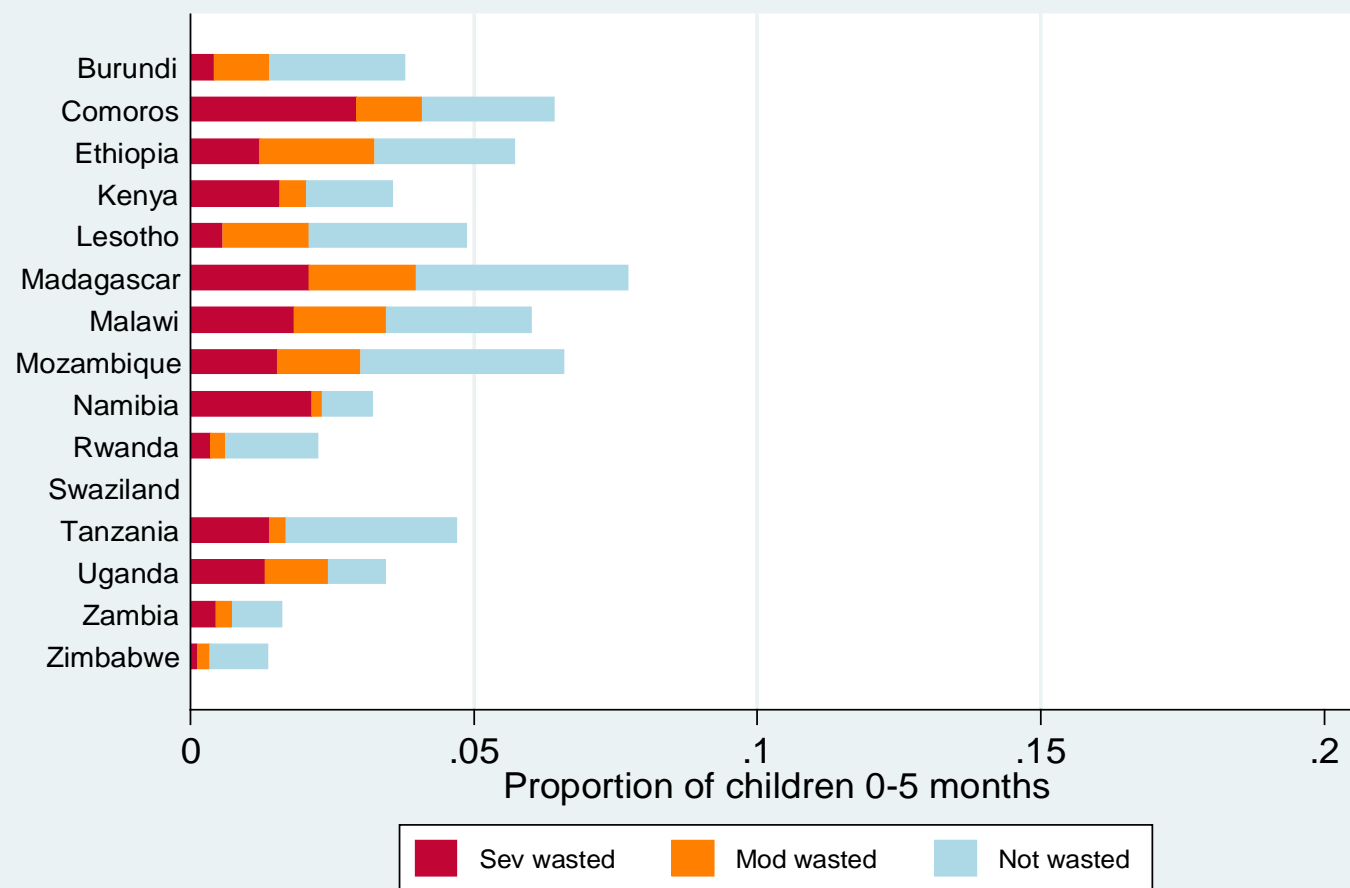


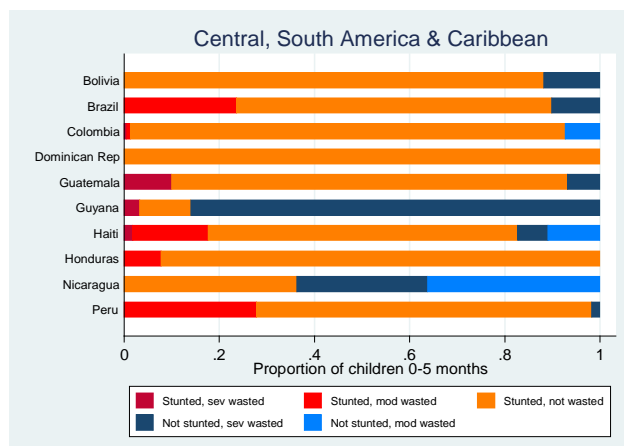
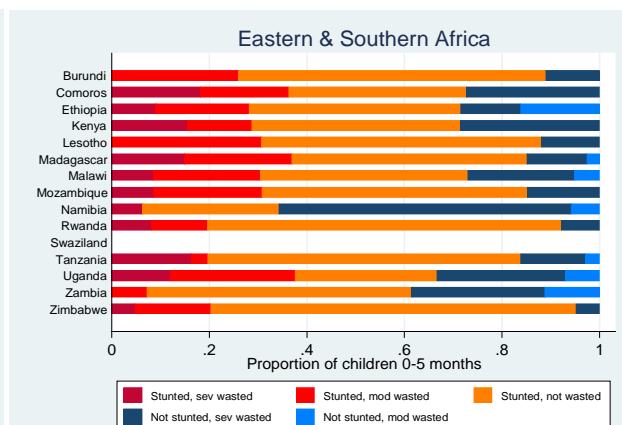
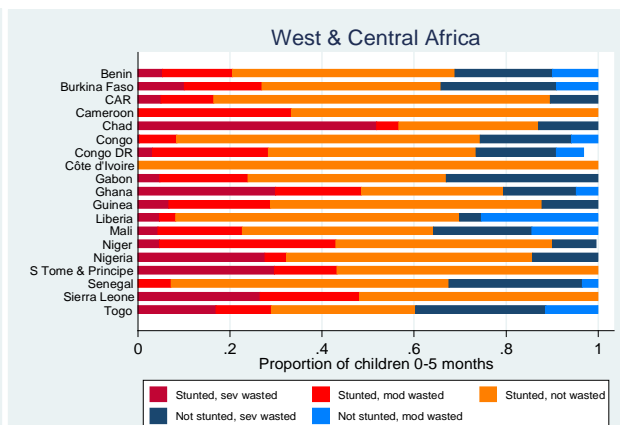
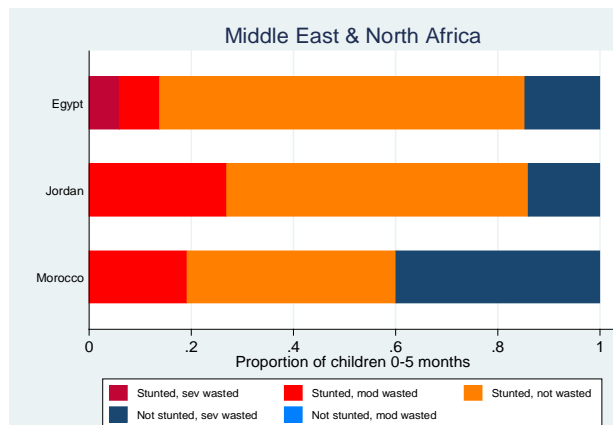
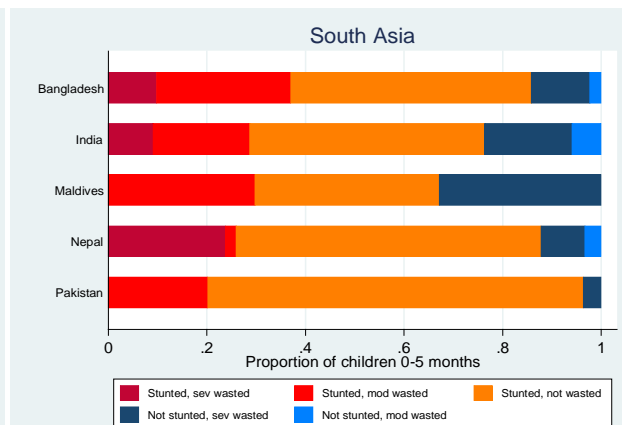
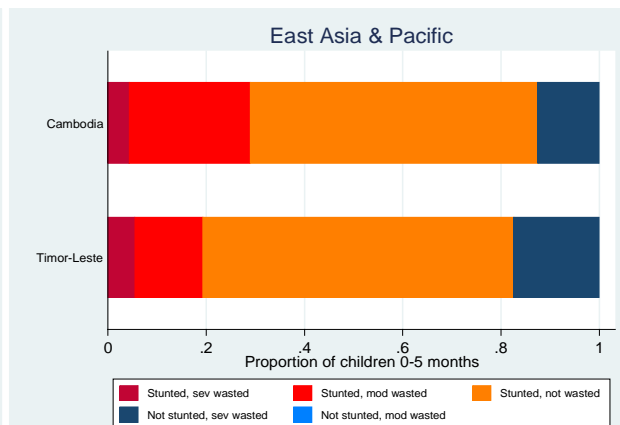
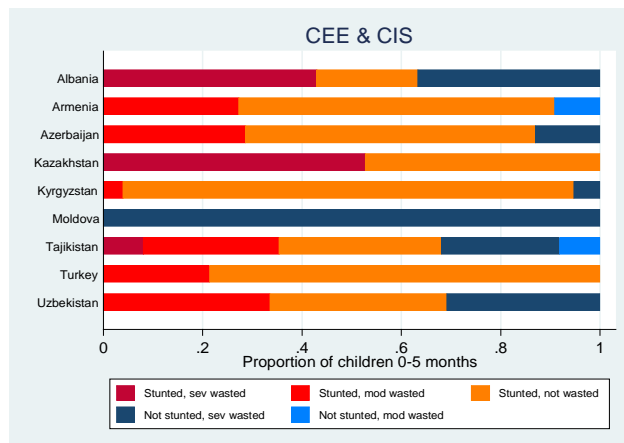


## South Asia



## Eastern & Southern Africa





**Denominator:** VLW infants 0-5 months of age

**Categories:**

- Stunted + severe wasting
- Stunted + moderate wasting
- Stunted + no wasting
- Not stunted + severe wasting
- Not stunted + moderate wasting

Barros 2015. Commissioned for WHO