

Supplementary Table S1. List of countries, surveys, years, sample size, and estimates of maternal cumulative prevalence of infant mortality (mIM), maternal cumulative prevalence of under-five mortality (mU5M), and maternal cumulative prevalence of offspring mortality (mOM) for mothers age 20-44 and 45-49 (italicized estimates computed using indirect kin-cohort method)

	Source	Year	Sample	mIM		mU5M		mOM
				20-44	45-49	20-44	45-49	45-49
<b>Africa</b>								
Algeria	MICS	2012	17 540	<i>58.6</i>	<i>130.2</i>	<i>67.2</i>	<i>156.9</i>	150.5
Angola	DHS	2015	10 054	168.5	310.5	224.7	441.8	484.1
Benin	DHS	2017	11 247	177.1	276.7	258.9	411.8	476.9
Botswana		2016		<i>99.1</i>	<i>125.2</i>	<i>128.2</i>	<i>173.3</i>	<i>231.8</i>
Burkina Faso	DHS	2010	12 654	242.9	414.5	372.0	599.2	665.7
Burundi	DHS	2017	10 845	188.3	349.3	258.5	529.7	608.2
Cameroon	DHS	2011	10 225	197.7	311.8	305.6	446.5	530.4
Central African Republic	MICS	2010	8403	<i>254.6</i>	<i>321.2</i>	<i>354.8</i>	<i>440.4</i>	688.9
Chad	DHS	2015	13 012	274.0	382.6	402.6	563.8	632.5
Comoros	DHS	2012	2807	110.5	203.4	135.5	254.5	297.9
Côte d'Ivoire	DHS	2012	7050	198.9	313.7	272.3	424.3	516.0
Democratic Republic of the Congo	DHS	2013	13 258	208.5	340.3	294.4	484.5	557.8
Congo, Republic of	DHS	2011	8058	132.4	220.9	198.4	350.7	428.7
Djibouti		2016		<i>128.1</i>	<i>257.0</i>	<i>179.1</i>	<i>364.4</i>	<i>440.8</i>
Egypt	DHS	2014	19 447	70.0	162.5	80.8	195.9	220.0
Ethiopia	DHS	2016	9915	214.2	385.0	264.1	520.3	593.6
Eritrea		2016		<i>153.5</i>	<i>296.4</i>	<i>192.7</i>	<i>387.2</i>	<i>455.5</i>
Equatorial Guinea		2016		<i>248.8</i>	<i>379.2</i>	<i>333.2</i>	<i>506.5</i>	<i>575.2</i>
Eswatini	MICS	2014	3140	<i>136.4</i>	<i>151.1</i>	<i>184.4</i>	<i>209.9</i>	365.7
Gabon	DHS	2012	5851	110.3	201.4	149.9	292.4	383.7
Gambia (Republic of The)	DHS	2013	6471	127.6	246.2	183.5	373.8	420.6
Ghana	DHS	2014	6327	134.7	250.7	189.1	364.3	419.5
Guinea	DHS	2012	6394	237.0	379.7	335.9	540.1	612.2
Guinea-Bissau		2016		<i>240.9</i>	<i>409.5</i>	<i>324.0</i>	<i>545.1</i>	<i>611.3</i>
Kenya	DHS	2014	22 347	118.6	188.8	155.5	264.6	338.5
Lesotho	DHS	2014	4312	135.4	218.8	167.5	270.5	368.2
Liberia	DHS	2013	6966	224.0	465.3	318.4	597.3	653.5
Libya		2016		<i>31.2</i>	<i>89.9</i>	<i>36.1</i>	<i>105.7</i>	<i>133.1</i>
Madagascar	MICS	2018	11 889	<i>157.8</i>	<i>316.8</i>	<i>213.7</i>	<i>426.8</i>	339.8
Malawi	DHS	2015	17 834	151.2	340.7	222.6	502.1	564.4
Mali	DHS	2012	7858	191.4	253.2	263.0	348.3	377.2
Mauritania	MICS	2015	8811	<i>182.4</i>	<i>301.4</i>	<i>263.8</i>	<i>440.5</i>	363.4
Mauritius		2016		<i>25.3</i>	<i>45.5</i>	<i>29.0</i>	<i>51.9</i>	<i>69.6</i>
Morocco		2016		<i>60.8</i>	<i>139.4</i>	<i>71.7</i>	<i>171.7</i>	<i>195.5</i>
Mozambique	DHS	2011	9745	228.5	338.6	295.4	476.0	550.5
Namibia	DHS	2013	6167	90.0	137.1	118.1	191.3	243.3
Niger	DHS	2012	8656	260.3	435.0	437.2	705.7	792.6
Nigeria	DHS	2013	26 174	227.1	378.8	334.0	524.6	579.9

(continued) Table S1. List of countries, surveys, years, sample size, and estimates

	Source	Year	Sample	mIM		mUSM		mOM
				20-44	45-49	20-44	45-49	45-49
Rwanda	DHS	2015	8587	150.9	370.0	214.9	553.3	623.1
São Tomé and Príncipe	MICS	2014	2075	<i>147.8</i>	<i>298.4</i>	<i>179.6</i>	<i>373.5</i>	373.6
Senegal	DHS	2017	10 531	142.5	236.3	193.3	365.9	429.1
Sierra Leone	DHS	2013	11 468	303.3	460.7	398.6	614.5	670.3
Somalia	MICS	2011	3204	<i>285.3</i>	<i>424.4</i>	<i>398.7</i>	<i>574.5</i>	443.4
South Africa	DHS	2016	5919	74.1	98.6	86.9	131.8	172.0
South Sudan	MICS	2014	7709	<i>240.7</i>	<i>402.9</i>	<i>330.4</i>	<i>539.8</i>	398.2
Sudan	MICS	2014	11 250	<i>166.3</i>	<i>286.8</i>	<i>232.9</i>	<i>409.1</i>	403.5
Togo	DHS	2014	6702	150.6	253.2	225.1	387.5	483.7
Tunisia	MICS	2011	5316	<i>33.9</i>	<i>87.8</i>	<i>36.3</i>	<i>98.2</i>	63.6
Uganda	DHS	2016	12 908	185.1	368.8	254.1	522.0	595.0
United Republic of Tanzania	DHS	2015	9168	167.6	333.7	226.7	455.4	509.2
Zambia	DHS	2014	11 562	178.0	330.8	259.2	487.1	555.1
Zimbabwe	DHS	2015	6893	130.3	136.5	170.4	193.3	259.0
<b>Asia and the Pacific</b>								
Afghanistan	MICS	2011	12 956	<i>252.7</i>	<i>439.5</i>	<i>318.6</i>	<i>548.3</i>	440.4
Bangladesh	DHS	2014	15 018	133.8	292.8	158.0	363.2	414.1
Bahrain		2016		<i>17.3</i>	<i>41.8</i>	<i>21.2</i>	<i>50.9</i>	<i>67.1</i>
Bhutan	MICS	2010	10 168	<i>99.1</i>	<i>227.2</i>	<i>128.0</i>	<i>325.7</i>	390.1
Cambodia	DHS	2014	11 492	99.6	260.0	117.9	322.9	371.1
China		2016		<i>38.4</i>	<i>87.8</i>	<i>44.6</i>	<i>107.2</i>	<i>126.7</i>
Cyprus		2016		<i>8.6</i>	<i>21.8</i>	<i>9.9</i>	<i>25.7</i>	<i>31.3</i>
Hong Kong		2016		<i>2.8</i>	<i>6.7</i>	<i>3.9</i>	<i>8.8</i>	<i>12.1</i>
India	DHS	2016	470 695	96.8	145.4	114.5	182.6	224.6
Indonesia	DHS	2017	33 781	65.7	135.3	78.1	163.1	194.5
Israel		2016		<i>10.0</i>	<i>23.9</i>	<i>12.0</i>	<i>28.9</i>	<i>38.7</i>
Iran (Islamic Republic of)		2016		<i>41.1</i>	<i>114.2</i>	<i>47.8</i>	<i>139.4</i>	<i>174.3</i>
Iraq	MICS	2011	17 914	<i>91.5</i>	<i>165.8</i>	<i>108.9</i>	<i>204.0</i>	186.4
Japan		2016		<i>3.8</i>	<i>7.4</i>	<i>5.0</i>	<i>10.1</i>	<i>15.0</i>
Jordan	DHS	2017	12 719	41.7	54.1	46.1	69.9	83.2
Kazakhstan	MICS	2015	9226	<i>53.5</i>	<i>117.7</i>	<i>62.3</i>	<i>140.0</i>	121.6
Kuwait		2016		<i>19.6</i>	<i>38.7</i>	<i>22.3</i>	<i>44.6</i>	<i>60.9</i>
Kyrgyz Republic	DHS	2012	5528	67.3	115.4	78.1	138.3	153.5
Lao People's Democratic Republic	MICS	2017	17 433	<i>151.9</i>	<i>308.4</i>	<i>192.8</i>	<i>400.5</i>	290.0
Lebanon		2016		<i>24.6</i>	<i>64.1</i>	<i>27.9</i>	<i>74.7</i>	<i>88.4</i>
Malaysia		2016		<i>14.5</i>	<i>34.4</i>	<i>17.4</i>	<i>41.7</i>	<i>61.9</i>
Maldives	DHS	2017	5393	39.9	111.8	46.4	128.9	152.6
Mongolia	MICS	2014	9776	<i>72.5</i>	<i>178.2</i>	<i>86.9</i>	<i>228.1</i>	238.6
Myanmar	DHS	2016	7700	138.9	222.6	159.0	271.5	321.7
Nepal	MICS	2015	9701	<i>121.8</i>	<i>268.4</i>	<i>151.7</i>	<i>347.6</i>	265.3

(continued) Table S1. List of countries, surveys, years, sample size, and estimates

	Source	Year	Sample	mIM		mUSM		mOM
				20-44	45-49	20-44	45-49	45-49
North Korea		2016		49.0	108.8	60.5	144.9	178.9
Oman		2016		32.9	119.5	38.6	147.3	184.8
Pakistan	DHS	2018	12 801	180.4	293.6	205.1	335.4	379.0
Philippines	DHS	2017	15 473	53.5	67.8	63.3	97.8	126.4
Qatar		2016		19.6	55.3	22.3	63.7	84.4
Saudi Arabia		2016		32.0	111.1	36.3	130.8	171.4
Singapore		2016		3.5	7.8	4.2	9.8	14.6
South Korea		2016		6.0	19.1	7.3	24.2	32.4
Sri Lanka		2016		21.3	44.4	24.3	54.5	75.6
Palestine (State of)		2016		74.8	160.0	86.4	189.0	227.1
Syrian Arab Republic		2016		46.9	100.0	53.6	117.4	180.5
Taiwan		2016		7.7	13.6	9.6	19.0	30.2
Tajikistan	DHS	2017	7380	81.3	175.1	93.5	205.6	226.2
Thailand	MICS	2015	17 533	24.6	53.2	27.8	62.4	51.7
Timor-Leste	DHS	2016	7322	100.1	169.7	123.3	201.6	274.7
Turkmenistan	MICS	2015	4901	129.6	222.3	151.5	268.3	160.9
United Arab Emirates		2016		15.8	40.0	18.0	45.9	68.1
Uzbekistan		2016		96.7	190.2	113.9	232.3	264.9
Viet Nam	MICS	2013	6999	42.0	81.6	51.3	105.3	119.1
Yemen	DHS	2013	17 647	140.7	351.9	162.9	415.4	456.5
<b>Eastern Europe</b>								
Albania	DHS	2017	7188	13.9	29.9	15.6	31.6	40.4
Armenia	DHS	2016	4064	24.7	43.6	27.9	45.4	57.0
Azerbaijan		2016		90.4	188.0	104.8	226.8	248.9
Belarus		2016		12.7	29.8	15.5	36.1	55.9
Bosnia & Herzegovina		2016		15.2	32.1	17.3	37.4	48.2
Bulgaria		2016		18.1	30.5	21.5	38.1	55.7
Croatia		2016		9.5	20.9	10.9	24.0	33.8
Czech Republic		2016		6.0	18.2	7.2	21.4	32.6
Estonia		2016		10.3	30.4	12.6	36.8	55.0
Georgia		2016		40.9	88.2	45.3	96.6	116.5
Hungary		2016		10.6	27.1	12.1	31.0	41.1
Latvia		2016		13.8	30.7	16.8	37.8	56.9
Lithuania		2016		11.8	28.1	14.0	34.0	53.7
Montenegro	MICS	2013	2166	15.9	37.3	17.5	41.2	43.8
North Macedonia		2016		23.3	63.9	25.1	69.0	79.3
Poland		2016		10.9	32.8	12.2	36.8	49.7
Moldova, Republic of	MICS	2012	4083	30.6	62.0	36.2	74.4	108.3
Romania		2016		22.2	46.0	25.7	56.7	75.0
Russian Federation		2016		21.2	41.6	25.0	49.6	79.8

(continued) Table S1. List of countries, surveys, years, sample size, and estimates

	Source	Year	Sample	mIM		mUSM		mOM
				20-44	45-49	20-44	45-49	45-49
Serbia	MICS	2014	3551	15.9	40.4	18.0	46.7	44.1
Slovakia		2016		11.3	25.9	13.3	30.4	43.8
Slovenia		2016		5.2	14.4	6.2	17.1	26.0
Ukraine	MICS	2012	6406	20.4	33.6	24.1	41.5	34.8
<b>Western Europe</b>								
Austria		2016		6.3	12.6	7.4	15.1	22.4
Belgium		2016		6.9	13.7	8.2	16.5	23.5
Denmark		2016		6.7	12.7	7.7	15.3	20.7
Finland		2016		4.6	9.4	5.5	11.4	19.0
France		2016		6.8	12.8	7.9	15.4	21.8
Germany		2016		5.9	10.9	6.9	13.2	18.7
Greece		2016		6.2	15.5	7.1	17.6	25.0
Iceland		2016		4.1	10.1	5.4	12.9	20.6
Ireland		2016		6.8	14.5	7.9	17.2	24.0
Italy		2016		5.3	11.2	6.0	13.0	17.4
Netherlands		2016		6.5	12.0	7.6	14.5	18.8
Norway		2016		5.3	11.5	6.3	14.3	21.6
Portugal		2016		6.1	16.5	7.4	20.7	28.9
Turkey	DHS	2013	6509	51.8	142.7	59.2	157.3	179.8
Spain		2016		4.9	10.3	5.7	12.5	16.8
Sweden		2016		4.7	9.8	5.5	11.8	17.9
Switzerland		2016		6.5	11.1	7.3	13.4	18.2
United Kingdom		2016		8.3	14.8	9.5	17.4	24.1
<b>Latin America and the Caribbean</b>								
Argentina		2016		31.4	62.0	35.9	72.0	94.8
Belize	MICS	2015	3199	47.4	105.1	54.5	124.8	136.7
Bolivia		2016		113.4	248.8	172.8	372.2	436.2
Brazil		2016		46.5	104.9	54.3	123.6	156.5
Chile		2016		15.9	33.4	18.6	39.9	55.4
Colombia	DHS	2015	24 351	38.4	59.1	43.9	70.9	104.6
Costa Rica		2016		21.0	41.2	25.2	49.6	71.4
Cuba	MICS	2014	7376	10.5	21.0	13.0	27.3	23.3
Dominican Republic	DHS	2013	7493	88.6	152.9	102.4	194.0	228.7
Ecuador		2016		48.8	113.1	59.3	142.2	185.7
El Salvador	MICS	2014	9423	50.7	124.6	58.8	156.4	179.1
Guatemala	DHS	2015	16 236	93.8	200.8	114.6	254.7	302.2
Guyana	MICS	2014	3607	77.3	121.5	93.5	152.0	233.2
French Guiana		2016		34.0	73.6	38.6	85.3	102.1
Haiti	DHS	2017	8325	131.3	276.8	175.7	362.0	416.9
Honduras	DHS	2012	14 790	69.5	150.2	84.9	183.5	237.8

(continued) Table S1. List of countries, surveys, years, sample size, and estimates

	Source	Year	Sample	mIM		mUSM		mOM
				20-44	45-49	20-44	45-49	45-49
Jamaica		2016		35.8	64.8	41.4	76.4	102.7
Nicaragua		2016		60.7	156.3	72.7	196.2	247.5
Panama		2016		43.1	75.6	54.0	95.6	134.3
Paraguay	MICS	2016	5202	57.9	114.5	67.4	137.0	172.0
Peru	DHS	2012	16 048	64.5	147.7	81.9	194.5	221.3
Puerto Rico		2016		14.5	27.1	16.5	31.9	50.4
Suriname	MICS	2018	4856	58.9	110.2	64.9	124.5	90.7
Trinidad and Tobago	MICS	2011	2408	48.9	67.7	54.7	76.8	103.0
Uruguay		2016		24.0	46.4	27.9	53.9	71.6
Venezuela		2016		38.5	67.9	44.5	80.1	125.3
<b>North America</b>								
Canada		2016		8.3	13.1	9.3	15.5	23.0
Mexico		2016		41.8	90.3	47.5	106.0	136.6
United States	NSFG	2013	5588	7.2	20.3	9.3	24.1	38.6
<b>Oceania</b>								
Australia		2016		7.5	14.4	8.7	17.3	24.4
New Zealand		2016		9.1	17.4	10.9	21.4	32.3
Papua New Guinea	DHS	2016	10 054	100.5	156.0	131.5	197.3	252.6

Supplementary Table S2. Estimates of maternal cumulative prevalence of under-five mortality (mU5M) for mothers age 15-19, 20-24, 25-29, 30-34, 35-40, and 40-44 (italicized estimates computed using indirect kin-cohort method)

	mIM						mU5M					
	15-19	20-24	25-29	30-34	35-39	40-44	15-19	20-24	25-29	30-34	35-39	40-44
<b>Africa</b>												
Algeria	23.9	29.1	39.5	54.4	73.0	97.2	<i>24.4</i>	<i>31.3</i>	<i>43.8</i>	<i>61.5</i>	<i>84.4</i>	<i>114.8</i>
Angola	70.0	88.3	133.2	167.0	235.7	308.3	79.5	115.5	168.6	234.1	316.1	414.3
Benin	44.7	92.0	132.1	204.7	228.5	281.9	53.0	121.2	202.3	300.9	338.2	403.6
Botswana	<i>35.8</i>	<i>49.0</i>	<i>74.3</i>	<i>106.6</i>	<i>131.0</i>	<i>134.6</i>	<i>37.6</i>	<i>56.5</i>	<i>90.6</i>	<i>136.2</i>	<i>173.9</i>	<i>183.7</i>
Burkina Faso	100.1	121.0	209.8	265.2	319.5	358.8	120.8	169.5	317.5	419.1	498.4	549.5
Burundi	60.9	71.9	121.8	196.8	254.5	342.1	63.3	98.7	171.4	263.6	347.8	474.6
Cameroon	84.0	109.0	164.4	206.5	289.7	278.1	100.3	174.9	254.8	321.7	425.4	443.8
Central African Republic	<i>103.3</i>	<i>150.3</i>	<i>215.5</i>	<i>273.2</i>	<i>310.3</i>	<i>323.6</i>	<i>115.6</i>	<i>200.0</i>	<i>302.5</i>	<i>386.6</i>	<i>435.8</i>	<i>448.9</i>
Chad	110.2	154.6	226.0	319.5	356.1	385.5	142.6	232.8	333.9	483.6	507.4	550.2
Comoros	59.1	60.7	93.1	106.7	130.2	159.1	81.8	72.5	111.7	130.8	153.4	208.2
Côte d'Ivoire	85.1	114.5	151.4	217.8	268.2	302.8	104.3	147.3	224.1	294.2	350.7	424.3
DRC†	75.6	111.7	171.4	223.4	303.5	298.5	100.4	149.8	237.1	324.0	412.9	453.7
Congo, Republic of	34.1	61.6	102.3	140.4	203.2	192.0	47.0	96.4	160.0	204.5	303.9	277.7
Djibouti	<i>46.8</i>	<i>60.3</i>	<i>81.9</i>	<i>117.4</i>	<i>165.4</i>	<i>215.4</i>	<i>51.3</i>	<i>77.3</i>	<i>111.8</i>	<i>164.8</i>	<i>235.0</i>	<i>306.7</i>
Egypt	42.0	39.8	44.8	72.0	85.7	114.4	42.0	41.1	52.7	81.5	101.8	133.6
Ethiopia	44.7	87.8	160.6	217.6	285.2	362.4	56.8	96.0	203.4	263.1	365.7	440.0
Eritrea	<i>44.8</i>	<i>65.8</i>	<i>103.4</i>	<i>149.4</i>	<i>198.8</i>	<i>250.1</i>	<i>47.2</i>	<i>76.1</i>	<i>125.3</i>	<i>185.4</i>	<i>252.5</i>	<i>324.2</i>
Equatorial Guinea	<i>86.3</i>	<i>129.4</i>	<i>191.7</i>	<i>256.4</i>	<i>312.8</i>	<i>353.8</i>	<i>95.2</i>	<i>166.4</i>	<i>257.1</i>	<i>346.6</i>	<i>421.6</i>	<i>474.5</i>
Eswatini	<i>51.7</i>	<i>77.0</i>	<i>119.9</i>	<i>157.3</i>	<i>168.7</i>	<i>159.1</i>	<i>55.4</i>	<i>93.5</i>	<i>156.9</i>	<i>214.8</i>	<i>234.5</i>	<i>222.3</i>
Gabon	57.3	69.7	118.7	117.1	112.4	141.2	65.8	84.2	153.5	149.9	166.4	216.7
Gambia (Republic of The)	75.0	72.8	93.5	131.6	175.6	211.0	81.9	90.0	119.6	190.2	278.7	319.4
Ghana	17.5	74.0	91.0	129.7	165.0	202.6	20.8	87.5	121.0	188.3	235.1	293.3
Guinea	94.9	115.3	171.3	255.5	337.3	363.0	105.3	163.2	257.5	365.8	457.3	511.2
Guinea-Bissau	<i>72.6</i>	<i>106.9</i>	<i>168.0</i>	<i>242.9</i>	<i>314.3</i>	<i>372.1</i>	<i>79.8</i>	<i>137.0</i>	<i>225.6</i>	<i>330.0</i>	<i>426.5</i>	<i>500.6</i>
Kenya	28.2	68.3	91.5	122.4	148.9	192.2	31.7	84.8	115.7	156.5	208.2	255.5
Lesotho	69.4	52.0	126.4	148.5	182.9	193.1	71.0	66.7	164.1	186.6	215.2	232.5
Liberia	46.1	114.3	162.6	238.5	319.8	360.5	66.8	150.5	240.5	357.4	426.4	528.4
Libya	<i>11.7</i>	<i>13.7</i>	<i>18.1</i>	<i>26.1</i>	<i>39.0</i>	<i>59.0</i>	<i>12.1</i>	<i>15.1</i>	<i>20.5</i>	<i>30.2</i>	<i>45.7</i>	<i>69.3</i>
Madagascar	<i>39.1</i>	<i>61.2</i>	<i>100.1</i>	<i>150.8</i>	<i>209.0</i>	<i>267.7</i>	<i>43.1</i>	<i>79.0</i>	<i>135.5</i>	<i>206.6</i>	<i>285.2</i>	<i>362.2</i>
Malawi	74.7	68.7	111.6	166.7	218.2	267.7	81.3	88.8	155.8	240.0	332.5	428.1
Mali	97.8	122.4	161.2	203.7	245.5	273.2	121.0	165.9	225.8	275.8	337.8	376.5
Mauritania	<i>63.5</i>	<i>87.7</i>	<i>130.2</i>	<i>183.3</i>	<i>235.4</i>	<i>275.6</i>	<i>71.0</i>	<i>117.4</i>	<i>185.8</i>	<i>267.0</i>	<i>345.0</i>	<i>403.7</i>
Mauritius	<i>12.1</i>	<i>14.3</i>	<i>18.4</i>	<i>23.9</i>	<i>31.3</i>	<i>38.6</i>	<i>12.6</i>	<i>16.0</i>	<i>21.0</i>	<i>27.7</i>	<i>36.1</i>	<i>44.1</i>
Morocco	<i>23.8</i>	<i>29.6</i>	<i>39.8</i>	<i>55.5</i>	<i>76.2</i>	<i>102.8</i>	<i>24.6</i>	<i>32.6</i>	<i>45.6</i>	<i>65.1</i>	<i>90.9</i>	<i>124.4</i>
Mozambique	90.6	125.5	201.8	274.7	269.9	329.7	113.0	160.2	259.7	358.9	356.5	414.5
Namibia	35.3	50.1	62.5	95.6	121.8	130.1	43.1	62.5	83.5	123.6	167.4	165.1
Niger	59.4	116.7	224.9	280.9	369.3	394.7	92.1	197.7	368.5	498.5	615.8	637.1
Nigeria	107.8	126.1	191.0	240.2	290.8	307.1	138.1	189.9	282.9	355.4	421.6	448.8

(continued) Table S2. mIM and mU5M for five-year birth cohorts

	mIM						mU5M					
	15-19	20-24	25-29	30-34	35-39	40-44	15-19	20-24	25-29	30-34	35-39	40-44
Rwanda	72.3	54.1	72.0	122.9	223.2	317.6	72.3	63.1	93.6	175.3	324.0	471.4
São Tomé and Príncipe	33.9	53.5	89.9	140.1	199.0	256.3	35.6	60.9	106.4	169.0	243.8	318.0
Senegal	54.3	73.1	95.8	144.2	182.3	230.2	59.3	88.4	122.6	190.7	245.6	343.6
Sierra Leone	136.6	167.0	239.7	337.0	393.1	419.2	162.9	231.2	317.0	450.0	507.2	533.8
Somalia	87.6	136.8	222.1	304.6	362.0	400.9	99.8	187.2	315.9	432.6	506.7	551.1
South Africa	31.2	41.6	63.7	73.3	100.2	90.0	31.2	45.3	75.6	84.1	113.1	114.6
South Sudan	73.4	105.1	171.6	250.8	314.1	362.2	80.9	136.1	234.1	348.0	436.5	497.2
Sudan	51.4	73.2	115.6	168.5	217.3	257.0	56.6	95.2	159.1	236.7	307.8	365.8
Togo	68.2	75.9	118.5	153.8	193.5	214.6	68.2	99.2	175.5	235.4	292.1	325.1
Tunisia	13.9	16.1	21.1	29.6	42.3	60.5	14.0	16.5	21.9	31.1	45.4	66.4
Uganda	74.6	81.0	113.2	203.3	289.9	342.3	82.1	107.6	159.7	278.4	396.4	471.6
United Republic of Tanzania	62.1	71.5	116.4	175.2	219.0	298.8	78.1	97.6	156.0	243.0	291.6	402.6
Zambia	64.9	81.0	125.9	194.8	256.0	288.3	71.9	108.2	184.7	282.7	369.9	438.1
Zimbabwe	67.0	83.8	111.8	130.4	155.7	186.9	67.0	101.0	145.8	169.0	206.2	255.5
<b>Asia and the Pacific</b>												
Afghanistan	64.7	101.7	171.1	255.6	336.6	398.3	69.3	122.4	215.2	325.5	427.8	502.1
Bangladesh	47.9	61.5	103.7	131.9	176.9	233.1	49.6	69.4	116.4	159.8	214.8	276.4
Bahrain	6.7	8.1	11.0	15.5	21.7	29.9	6.9	9.3	13.4	19.3	27.1	37.1
Bhutan	28.8	38.3	59.2	91.1	130.4	176.5	29.8	43.1	69.7	111.0	170.3	246.1
Cambodia	18.0	38.7	48.1	77.9	155.4	189.1	18.0	43.5	57.9	92.6	177.2	229.8
China	11.2	14.7	22.5	34.9	51.0	69.2	11.4	15.7	25.0	39.7	59.6	82.8
Cyprus	4.0	4.5	5.5	7.4	10.4	15.2	4.1	4.9	6.2	8.6	12.2	17.9
Hong Kong	1.5	1.6	1.9	2.4	3.3	4.6	1.6	2.1	2.6	3.5	4.8	6.4
India	61.0	64.7	78.7	96.0	112.3	128.3	63.7	69.6	90.4	113.6	134.9	159.0
Indonesia	34.0	22.2	40.6	54.1	75.2	103.8	35.7	27.6	45.5	65.3	90.5	123.1
Israel	3.2	4.1	5.9	9.0	13.0	17.8	3.3	4.5	6.9	10.8	15.8	21.7
Iran (Islamic Republic of)	14.9	18.5	25.1	35.5	51.4	75.3	15.3	20.2	28.2	40.7	60.0	90.0
Iraq	29.9	43.4	65.9	91.2	116.3	140.8	31.1	48.5	76.5	108.1	139.9	171.6
Japan	2.0	2.2	2.7	3.6	4.7	5.9	2.1	2.7	3.5	4.7	6.2	8.0
Jordan	4.2	21.9	32.9	35.3	50.1	55.5	6.2	22.6	35.4	39.2	55.2	62.7
Kazakhstan	11.0	17.8	31.2	49.6	72.1	96.7	11.6	20.0	35.7	56.9	84.2	114.4
Kuwait	7.8	9.5	13.4	18.9	25.1	31.2	8.0	10.3	15.0	21.5	28.8	35.9
Kyrgyz Republic*	24.6	39.9	44.2	72.6	73.2	106.5	25.3	40.6	53.4	81.2	94.9	119.2
Lao People's Democratic Republic	47.9	67.6	101.8	144.6	194.3	251.2	50.5	78.6	124.8	183.0	250.6	326.7
Lebanon	9.9	11.3	14.8	21.0	30.6	45.2	10.1	12.3	16.5	23.7	35.0	52.0
Malaysia	6.3	7.2	9.2	12.8	18.1	25.4	6.6	7.9	10.6	15.2	22.1	31.0
Maldives*	7.6	24.3	15.9	31.8	45.7	80.4	7.8	24.3	16.6	36.5	55.6	95.4
Mongolia	21.6	29.6	44.8	65.9	93.3	129.1	22.5	33.2	52.2	77.7	112.0	159.4
Myanmar*	43.4	51.4	80.7	127.8	164.3	206.8	45.7	55.9	91.2	140.7	186.2	246.9
Nepal	34.6	50.0	76.7	112.0	158.0	212.3	36.2	56.8	91.3	137.9	199.6	272.9

(continued) Table S2. mIM and mU5M for five-year birth cohorts

	mIM						mU5M					
	15-19	20-24	25-29	30-34	35-39	40-44	15-19	20-24	25-29	30-34	35-39	40-44
North Korea	15.4	18.7	28.0	44.8	64.4	89.0	15.9	21.2	33.0	54.8	80.2	113.3
Oman	8.9	11.2	15.5	24.1	41.6	72.2	9.1	12.1	17.4	27.7	48.8	86.8
Pakistan	100.8	121.6	143.9	184.9	202.0	255.0	103.0	128.8	170.6	212.5	229.1	285.2
Philippines	18.6	30.1	43.1	49.0	57.4	79.8	31.6	32.6	49.6	58.9	71.1	93.1
Qatar	7.0	8.6	11.4	16.0	24.3	37.5	7.2	9.4	12.9	18.3	28.0	43.1
Saudi Arabia	7.5	9.5	14.5	24.8	42.1	69.4	7.6	10.1	15.8	27.8	47.7	79.9
Singapore	1.9	2.1	2.4	3.1	4.1	5.6	2.0	2.3	2.8	3.7	5.1	7.1
South Korea	2.6	2.9	3.4	4.7	7.3	11.6	2.6	3.2	3.9	5.6	9.0	14.7
Sri Lanka	8.5	10.4	14.4	20.3	27.1	34.3	8.7	11.1	15.8	22.7	31.1	40.7
Palestine (State of)	20.5	29.7	47.0	70.2	98.3	128.7	21.2	32.6	53.3	80.9	114.3	150.7
Syrian Arab Republic	18.7	23.5	31.7	43.9	59.0	76.6	19.2	25.6	35.5	49.9	67.9	88.9
Taiwan	4.0	4.4	5.3	7.2	9.8	12.1	4.2	5.0	6.3	8.7	12.2	15.8
Tajikistan*	36.2	44.6	48.2	71.9	120.8	149.8	36.9	46.0	56.0	82.8	136.0	181.0
Thailand	9.5	12.3	16.7	22.8	30.6	40.3	9.8	13.4	18.6	25.7	34.9	46.4
Timor-Leste	16.7	43.7	74.5	89.1	134.4	152.4	16.7	51.9	97.5	104.7	173.7	181.9
Turkmenistan	48.3	64.5	95.3	131.6	164.0	192.5	49.9	71.1	108.9	153.3	193.7	230.4
United Arab Emirates	6.2	7.5	10.5	14.6	19.7	26.9	6.4	8.3	11.8	16.7	22.6	30.8
Uzbekistan	25.1	37.3	61.6	92.7	128.6	163.3	26.1	41.7	71.1	108.0	152.0	196.5
Viet Nam	18.6	23.0	30.7	40.2	50.9	64.9	19.5	26.3	36.6	49.0	63.0	81.8
Yemen	7.0	54.4	105.8	144.9	242.5	288.2	7.0	59.7	119.4	169.7	282.7	342.7
<b>Eastern Europe</b>												
Albania	8.5	10.7	16.6	26.0	39.5	56.1	9.4	13.3	20.9	31.6	46.9	66.0
Armenia*	12.2	8.2	16.6	18.5	28.4	42.6	12.7	11.6	20.0	21.3	33.1	44.5
Azerbaijan	28.5	41.7	61.4	84.8	113.6	150.4	29.4	45.2	68.6	97.4	133.6	179.0
Belarus	3.2	4.2	6.8	11.1	17.5	24.2	3.3	4.9	8.1	13.6	21.3	29.4
Bosnia & Herzegovina	6.5	7.7	10.4	14.1	18.6	25.1	6.7	8.3	11.5	16.0	21.5	29.0
Bulgaria	7.9	9.9	13.0	17.5	22.7	27.4	8.2	11.0	15.0	20.5	27.2	33.7
Croatia	4.2	4.8	6.4	8.9	11.9	15.5	4.3	5.2	7.2	10.2	13.8	17.9
Czech Republic	2.4	2.8	3.5	4.9	7.2	11.8	2.5	3.1	4.1	5.8	8.7	14.1
Estonia	2.6	3.5	5.2	8.2	13.5	21.4	2.8	4.1	6.3	10.0	16.5	26.1
Georgia	12.0	17.0	25.8	37.5	52.8	71.4	12.2	18.1	28.2	41.7	59.2	79.4
Hungary	4.7	5.4	6.7	9.0	12.9	19.1	4.8	5.9	7.5	10.3	14.9	22.0
Latvia	4.2	5.6	8.1	12.0	18.0	25.4	4.6	6.8	10.0	14.6	21.8	30.8
Lithuania	4.2	5.0	6.8	10.0	15.0	22.1	4.4	5.6	7.9	11.8	18.1	26.7
Montenegro	3.1	4.9	9.2	15.2	21.6	28.7	3.2	5.4	10.2	16.7	23.6	31.4
North Macedonia	10.1	11.0	14.2	19.8	28.7	42.6	10.3	11.7	15.4	21.6	31.0	45.8
Poland	3.9	4.8	6.3	8.8	13.1	21.3	4.0	5.2	7.1	10.0	14.9	24.1
Moldova, Republic of	14.0	16.7	21.3	27.6	37.3	49.9	14.4	18.3	24.3	32.7	45.0	60.4
Romania	7.9	10.1	14.4	20.7	28.5	37.0	8.1	11.2	16.4	23.7	33.3	44.1
Russian Federation	7.4	9.7	13.7	19.8	27.5	35.1	7.7	10.9	16.0	23.5	32.8	41.9



(continued) Table S2. mIM and mU5M for five-year birth cohorts

	mIM						mU5M					
	15-19	20-24	25-29	30-34	35-39	40-44	15-19	20-24	25-29	30-34	35-39	40-44
Serbia	5.7	6.8	9.1	13.4	20.7	29.5	5.8	7.4	10.1	15.1	23.5	33.9
Slovakia	5.3	6.1	7.6	10.0	13.7	19.2	5.5	6.8	8.7	11.7	16.3	22.8
Slovenia	2.0	2.4	3.1	4.5	6.5	9.6	2.1	2.6	3.6	5.3	7.9	11.6
Ukraine	8.2	10.6	15.2	20.5	25.6	29.9	8.5	11.7	17.3	24.0	30.7	36.6
<b>Western Europe</b>												
Austria	3.4	3.7	4.5	5.9	7.7	9.8	3.5	4.0	5.1	6.9	9.1	11.7
Belgium	3.2	3.7	4.7	6.5	8.6	10.8	3.3	4.1	5.5	7.7	10.4	13.1
Denmark	3.4	3.7	4.6	6.3	8.5	10.6	3.5	4.0	5.1	7.2	9.8	12.5
Finland	1.9	2.3	3.0	4.2	5.8	7.5	2.0	2.6	3.6	5.1	7.0	9.2
France	3.3	3.8	4.8	6.5	8.4	10.4	3.4	4.1	5.4	7.5	10.0	12.5
Germany	3.4	3.7	4.4	5.6	7.2	8.8	3.5	4.0	5.0	6.6	8.5	10.6
Greece	3.1	3.5	4.1	5.4	7.5	10.6	3.2	3.8	4.6	6.2	8.6	12.2
Iceland	1.4	1.7	2.4	3.6	5.3	7.5	1.5	2.1	3.1	4.8	7.0	9.8
Ireland	3.2	3.6	4.5	6.2	8.5	11.3	3.3	4.0	5.1	7.1	9.9	13.3
Italy	2.9	3.2	3.8	4.8	6.3	8.3	2.9	3.5	4.2	5.5	7.2	9.6
Netherlands	3.0	3.5	4.4	6.2	8.3	10.2	3.1	3.8	5.0	7.1	9.8	12.2
Norway	2.3	2.6	3.5	4.9	6.7	8.8	2.3	2.9	4.0	5.8	8.1	10.9
Portugal	3.9	4.8	6.3	8.8	13.1	21.3	3.1	3.7	4.6	6.3	9.1	13.4
Turkey*	13.1	29.2	26.4	40.2	60.8	85.0	14.2	29.2	31.0	46.4	67.1	100.0
Spain	2.7	3.0	3.6	4.5	5.8	7.6	2.8	3.4	4.2	5.2	6.8	9.1
Sweden	2.3	2.6	3.2	4.3	5.8	7.6	2.3	2.8	3.7	5.1	7.0	9.2
Switzerland	3.7	4.0	4.8	6.2	7.9	9.6	3.7	4.3	5.2	6.9	9.0	11.2
United Kingdom	4.0	4.7	6.1	8.1	10.2	12.4	4.1	5.1	6.9	9.2	11.8	14.4
<b>Latin America and the Caribbean</b>												
Argentina	12.2	15.9	21.7	29.6	39.4	50.3	12.7	17.5	24.6	33.9	45.3	58.2
Belize	15.5	21.3	30.9	43.7	60.0	80.9	16.0	23.3	34.9	50.1	69.3	94.7
Bolivia	34.2	46.9	70.9	104.5	147.5	197.2	39.3	66.7	108.1	161.7	227.2	300.1
Brazil	15.8	20.7	29.5	42.9	59.6	79.5	16.3	22.9	33.8	50.2	70.4	94.0
Chile	7.5	9.0	11.2	14.4	19.2	25.5	7.7	10.0	12.9	16.9	22.9	30.5
Colombia	14.4	23.9	25.6	35.7	47.1	55.8	14.7	26.8	30.7	40.9	55.4	61.2
Costa Rica	9.2	11.9	15.5	19.8	25.4	32.4	9.6	13.6	18.4	23.9	30.9	39.4
Cuba	5.0	6.2	7.9	10.0	12.6	15.9	5.3	7.1	9.5	12.1	15.6	20.5
Dominican Republic	58.1	46.6	76.4	90.9	101.3	127.3	58.1	55.1	83.2	101.4	123.1	149.2
Ecuador	16.0	21.7	31.3	44.3	61.8	84.7	16.7	24.5	36.9	53.5	76.1	105.5
El Salvador	17.9	24.3	34.3	46.1	62.0	86.7	18.5	26.8	38.7	52.9	72.2	103.5
Guatemala	24.6	46.7	72.7	79.4	128.8	154.9	25.5	56.5	87.0	99.0	158.6	187.8
Guyana	33.3	45.3	61.1	77.8	93.9	108.2	34.8	51.8	72.9	94.3	114.9	133.7
French Guiana	9.9	13.3	20.4	31.6	45.2	59.5	10.2	14.6	22.9	35.7	51.6	68.4
Haiti	94.6	81.0	83.4	115.2	176.5	210.0	97.5	100.3	126.2	160.1	222.9	279.0
Honduras	25.4	37.7	51.6	64.2	81.4	123.8	26.5	42.5	58.6	81.7	102.5	152.7

(continued) Table S2. mIM and mU5M for five-year birth cohorts

	mIM						mU5M					
	15-19	20-24	25-29	30-34	35-39	40-44	15-19	20-24	25-29	30-34	35-39	40-44
Jamaica	14.6	19.5	26.7	34.9	44.0	54.0	15.3	21.8	30.4	40.3	51.1	63.2
Nicaragua	19.4	26.7	39.0	54.1	75.1	108.5	20.3	30.2	45.4	63.9	90.8	133.3
Panama	17.1	23.1	32.2	42.6	53.4	64.0	18.3	27.5	39.7	53.6	67.8	81.4
Paraguay	22.0	28.9	40.5	55.2	72.5	92.4	22.7	31.8	46.1	64.1	85.3	109.5
Peru	15.9	28.6	41.4	57.9	63.6	112.9	18.6	31.3	48.5	68.3	87.1	148.8
Puerto Rico	6.3	8.0	10.4	13.8	18.1	22.3	6.4	8.4	11.4	15.6	21.0	26.2
Suriname	20.9	28.0	40.4	56.9	75.5	93.5	21.3	29.8	43.9	62.6	83.7	104.7
Trinidad and Tobago	25.6	32.0	41.5	51.0	58.0	62.2	26.4	34.7	45.9	57.0	65.4	70.4
Uruguay	10.3	12.9	17.1	22.8	29.7	37.7	10.7	14.4	19.6	26.6	34.8	44.1
Venezuela	22.5	24.2	29.6	37.0	45.7	55.7	23.5	27.2	34.0	42.8	53.2	65.2
<b>North America</b>												
Canada	4.7	5.1	6.3	8.1	10.1	11.8	4.8	5.5	6.9	9.0	11.6	13.7
Mexico	15.8	20.7	28.9	39.2	51.8	68.5	16.3	22.7	32.4	44.4	58.9	79.0
United States	6.1	7.3	9.7	12.8	15.8	18.4	6.3	8.0	11.0	14.7	18.4	21.6
<b>Oceania</b>												
Australia	3.4	4.0	5.2	7.0	9.4	11.8	3.5	4.4	5.8	8.1	11.0	14.0
New Zealand	4.2	5.1	6.6	8.7	11.3	14.1	4.4	5.7	7.7	10.3	13.6	17.2
Papua New Guinea	67.8	55.5	86.8	100.6	126.3	135.6	79.1	65.3	107.1	140.9	171.6	173.9

\*The survey contained fewer than 100 mothers age 15-19, precluding meaningful estimation. For these estimates, we relied on the kin-cohort estimates.

†Democratic Republic of the Congo