

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

	Source	Year	Sample	mIM		mU5M		mOM
				20-44	45-49	20-44	45-49	45-49
Africa								
Algeria	MICS	2012	17 540	51.0	121.7	57.4	146.1	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		237.8	395.1	351.3	587.4	636.4
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	263.7	322.7	373.6	443.4	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		108.5	249.9	151.7	355.0	421.8
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		139.6	288.5	172.5	376.8	431.1
Equatorial Guinea		2016		244.1	375.6	330.0	502.2	551.9
Eswatini	MICS	2014	3140	152.6	151.0	207.1	210.3	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		227.8	404.4	309.4	539.5	591.8
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		23.9	81.7	27.6	96.1	122.0
Madagascar	MICS	2018	11 889	139.7	308.5	191.3	416.1	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	172.1	297.4	250.4	435.0	363.4
Morocco		2016		51.8	130.1	60.4	159.7	176.9
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		mU5M		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	128.7	292.6	154.7	365.8	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	291.3	421.5	414.5	572.3	443.4
South Africa	DHS	2016	5919	74.1	98.6	86.9	131.8	172.0
South Sudan	MICS	2014	7709	236.4	396.0	327.6	533.6	398.2
Sudan	MICS	2014	11 250	158.0	281.6	221.4	401.8	403.5
Togo	DHS	2014	6702	150.6	253.2	225.1	387.5	483.7
Tunisia	MICS	2011	5316	27.4	80.6	28.8	89.9	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	238.2	433.4	303.2	541.9	440.4
Bangladesh	DHS	2014	15 018	133.8	292.8	158.0	363.2	414.1
Bhutan	MICS	2010	10 168	83.7	217.0	100.9	310.7	390.1
Cambodia	DHS	2014	11 492	99.6	260.0	117.9	322.9	371.1
China		2016		31.9	84.4	36.1	102.7	112.3
Cyprus		2016		6.9	20.3	8.0	24.0	27.7
Hong Kong		2016		2.3	6.1	3.3	8.2	10.8
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		8.2	22.5	9.8	27.3	34.3
Iran (Islamic Republic of)		2016		32.9	103.7	37.5	126.4	152.6
Iraq	MICS	2011	17 914	86.2	160.6	101.7	197.4	186.4
Japan		2016		3.4	7.0	4.4	9.6	13.5
Jordan	DHS	2017	12 719	41.7	54.1	46.1	69.9	83.2
Kazakhstan	MICS	2015	9226	45.4	114.1	52.0	135.5	121.6
Kuwait		2016		17.7	36.5	20.1	42.0	53.2
Kyrgyzstan	DHS	2012	5528	67.3	115.4	78.1	138.3	153.5
Lao People's Democratic Republic	MICS	2017	17 433	135.3	297.6	170.3	387.1	290.0
Lebanon		2016		19.3	60.0	21.8	69.7	79.6
Malaysia		2016		11.9	32.3	14.0	39.3	56.2
Maldives	DHS	2017	5393	39.9	111.8	46.4	128.9	152.6
Mongolia	MICS	2014	9776	60.9	166.6	71.7	211.3	238.6
Myanmar	DHS	2016	7700	138.9	222.6	159.0	271.5	321.7
Nepal	MICS	2015	9701	103.7	257.5	126.8	333.3	265.3

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

	Source	Year	Sample	mIM		mU5M		mOM
				20-44	45-49	20-44	45-49	45-49
North Korea		2016		40.9	108.1	49.8	142.5	166.2
Oman		2016		21.5	107.6	24.6	132.0	165.3
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		14.7	51.0	16.8	58.7	74.9
Saudi Arabia		2016		22.0	100.6	24.5	117.7	155.0
Singapore		2016		2.9	7.2	3.5	9.2	13.3
South Korea		2016		4.3	17.0	5.1	21.7	28.4
Sri Lanka		2016		19.0	41.9	21.1	51.0	67.3
Palestine (State of)		2016		64.9	153.5	74.5	180.9	206.2
Syrian Arab Republic		2016		41.0	94.1	46.6	110.2	162.3
Taiwan		2016		6.7	13.3	8.0	18.3	26.5
Tajikistan	DHS	2017	7380	81.3	175.1	93.5	205.6	226.2
Thailand	MICS	2015	17 533	21.4	50.1	24.0	58.5	51.7
Timor-Leste	DHS	2016	7322	100.1	169.7	123.3	201.6	274.7
Turkmenistan	MICS	2015	4901	124.6	216.0	144.6	260.5	160.9
United Arab Emirates		2016		13.7	36.3	15.6	41.6	59.9
Uzbekistan		2016		85.8	185.3	99.7	225.5	238.5
Viet Nam	MICS	2013	6999	38.2	78.1	46.4	100.3	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		79.5	181.6	90.7	218.2	226.6
Belarus		2016		10.0	28.8	12.2	34.9	48.3
Bosnia & Herzegovina		2016		13.3	30.7	15.0	35.7	42.2
Bulgaria		2016		16.5	29.9	19.2	37.3	47.7
Croatia		2016		8.3	19.5	9.5	22.4	28.9
Czech Republic		2016		4.5	16.8	5.3	19.9	28.1
Estonia		2016		7.3	28.7	9.0	34.7	47.6
Georgia		2016		34.8	85.1	38.6	93.6	103.9
Hungary		2016		8.4	25.4	9.5	29.1	35.8
Latvia		2016		11.0	30.0	13.4	36.7	49.5
Lithuania		2016		9.2	27.2	10.8	32.9	47.2
Montenegro	MICS	2013	2166	13.9	35.5	15.3	39.2	43.8
North Macedonia		2016		18.3	58.8	20.0	63.5	68.9
Poland		2016		8.2	30.4	9.3	34.1	43.8
Moldova, Republic of	MICS	2012	4083	26.0	60.0	30.5	72.1	108.3
Romania		2016		19.2	44.3	22.0	54.1	65.3
Russian Federation		2016		18.4	40.4	21.7	48.1	68.3

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

	Source	Year	Sample	mIM		mU5M		mOM
				20-44	45-49	20-44	45-49	45-49
Serbia	MICS	2014	3551	12.2	37.5	13.7	43.5	44.1
Slovakia		2016		9.3	24.5	11.0	28.8	37.9
Slovenia		2016		4.1	13.2	4.9	15.7	22.0
Ukraine	MICS	2012	6406	19.4	32.9	22.6	40.6	34.8
<b>Western Europe</b>								
Austria		2016		5.6	11.9	6.5	14.2	19.4
Belgium		2016		6.1	13.0	7.2	15.7	20.5
Denmark		2016		5.9	12.3	6.7	14.7	18.3
Finland		2016		3.9	9.0	4.7	11.0	16.9
France		2016		6.1	12.2	7.0	14.7	19.1
Germany		2016		5.3	10.3	6.2	12.5	16.1
Greece		2016		5.1	14.2	5.8	16.2	21.6
Iceland		2016		3.3	9.5	4.4	12.2	18.2
Ireland		2016		5.8	13.7	6.6	16.3	21.6
Italy		2016		4.6	10.5	5.2	12.2	15.4
Netherlands		2016		5.8	11.6	6.6	14.0	16.8
Norway		2016		4.6	10.9	5.3	13.6	19.2
Portugal		2016		4.9	15.0	5.9	18.8	25.1
Turkey	DHS	2013	6509	51.8	142.7	59.2	157.3	179.8
Spain		2016		4.3	9.6	5.0	11.6	14.9
Sweden		2016		4.1	9.4	4.8	11.2	15.8
Switzerland		2016		5.8	10.8	6.5	12.9	16.1
United Kingdom		2016		7.7	14.2	8.7	16.7	21.1
<b>Latin America and the Caribbean</b>								
Argentina		2016		27.8	59.5	31.7	69.2	84.8
Belize	MICS	2015	3199	40.8	100.0	46.6	118.4	136.7
Bolivia		2016		96.6	238.6	149.4	358.6	408.1
Brazil		2016		39.8	98.9	46.4	116.7	139.5
Chile		2016		13.5	31.5	15.8	37.7	48.9
Colombia	DHS	2015	24 351	38.4	59.1	43.9	70.9	104.6
Costa Rica		2016		18.8	39.2	22.6	47.3	63.2
Cuba	MICS	2014	7376	9.5	19.7	11.5	25.8	23.3
Dominican Republic	DHS	2013	7493	88.6	152.9	102.4	194.0	228.7
Ecuador		2016		41.2	106.8	49.6	133.9	167.4
El Salvador	MICS	2014	9423	43.4	115.4	49.7	142.7	179.1
Guatemala	DHS	2015	16 236	93.8	200.8	114.6	254.7	302.2
Guyana	MICS	2014	3607	74.4	118.6	90.0	148.0	233.2
French Guiana		2016		28.9	70.7	32.7	81.7	90.9
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		mU5M		mOM
				20-44	45-49	20-44	45-49	45-49
Jamaica		2016		33.2	62.5	38.3	73.6	90.9
Mexico		2016		36.9	85.3	41.8	99.8	121.4
Nicaragua		2016		50.6	145.2	59.5	181.1	220.2
Panama		2016		40.4	73.0	50.7	92.4	118.7
Paraguay	MICS	2016	5202	52.0	109.8	60.1	131.0	172.0
Peru	DHS	2012	16 048	64.5	147.7	81.9	194.5	221.3
Puerto Rico		2016		12.9	26.0	14.6	30.6	44.2
Suriname	MICS	2018	4856	53.3	106.9	58.4	120.6	90.7
Trinidad and Tobago	MICS	2011	2408	49.2	66.3	55.0	75.2	103.0
Uruguay		2016		21.6	44.3	25.0	51.7	63.6
Venezuela		2016		35.3	65.1	40.8	76.7	111.4
<b>North America</b>								
Canada		2016		7.7	12.9	8.5	15.1	20.1
United States	NSFG	2013	5588	7.2	19.9	9.3	23.6	33.7
<b>Oceania</b>								
Australia		2016		6.5	13.8	7.5	16.6	21.5
New Zealand		2016		8.2	16.6	9.7	20.4	28.6
Papua New Guinea	DHS	2016	10 054	100.5	156.0	131.5	197.3	252.6

Supplementary Figure S1. Correspondence between survey (square) and kin-cohort (diamonds) estimates of the mIM for (20-44-year olds in column 1 and 45-49-year-olds in column 2), mU5M (20-44-year olds in column 3 and 45-49-year-olds in column 4), and mOM (45-49-year-olds in column 5) for 45 countries and territories in Asia and the Pacific (row 1), Europe, North America, and Oceania (row 2), and Latin America and the Caribbean (row 3)

