

Maternal mortality in 1990-2013

WHO, UNICEF, UNFPA, The World Bank, and United Nations Population Division Maternal Mortality Estimation Inter-Agency Group Lebanon

Year	Maternal mortality ratio (MMR)	Maternal deaths	Number of AIDS-related indirect maternal deaths	Live births ^a	Proportion of deaths among women of reproductive age that are due to maternal causes (PM)
	Per 100 000 live births (lb)	Numbers	Numbers	Thousands	Per cent
2013	16 [9-29]	10	0	63	1.5
2005	26 [15-48]	14	0	55	1.9
2000	37 [21-68]	23	0	62	2.5
1995	47 [27-88]	31	0	66	3.1
1990	64 [36-120]	44	0	68	4.0
Annual % change					
1990-2000	-5.3				
2000-2013	-6.2				
1990-2013	-5.8				

^a World population prospects: the 2012 revision. New York, Population Division, Department of Economic and Social Affairs, United Nations Secretariat, 2013.

Source of data:

Civil registration	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Maternal deaths ^b

^b ICD10 codes O00-O99 Pregnancy, childbirth and the puerperium and A34 Obstetrical tetanus; ICD9 codes 630-676 Complications of pregnancy, childbirth and the puerperium. Maternal deaths of an unknown age have been redistributed. Should you provide us with new data, kindly send maternal deaths and total number of female deaths by 5-year age group if available in order to be able to compute the PM.

^c Points prepared for regression; appropriate adjustment made to match the definition and AIDS component of the estimates. See attached explanatory note for more details.

Other sources

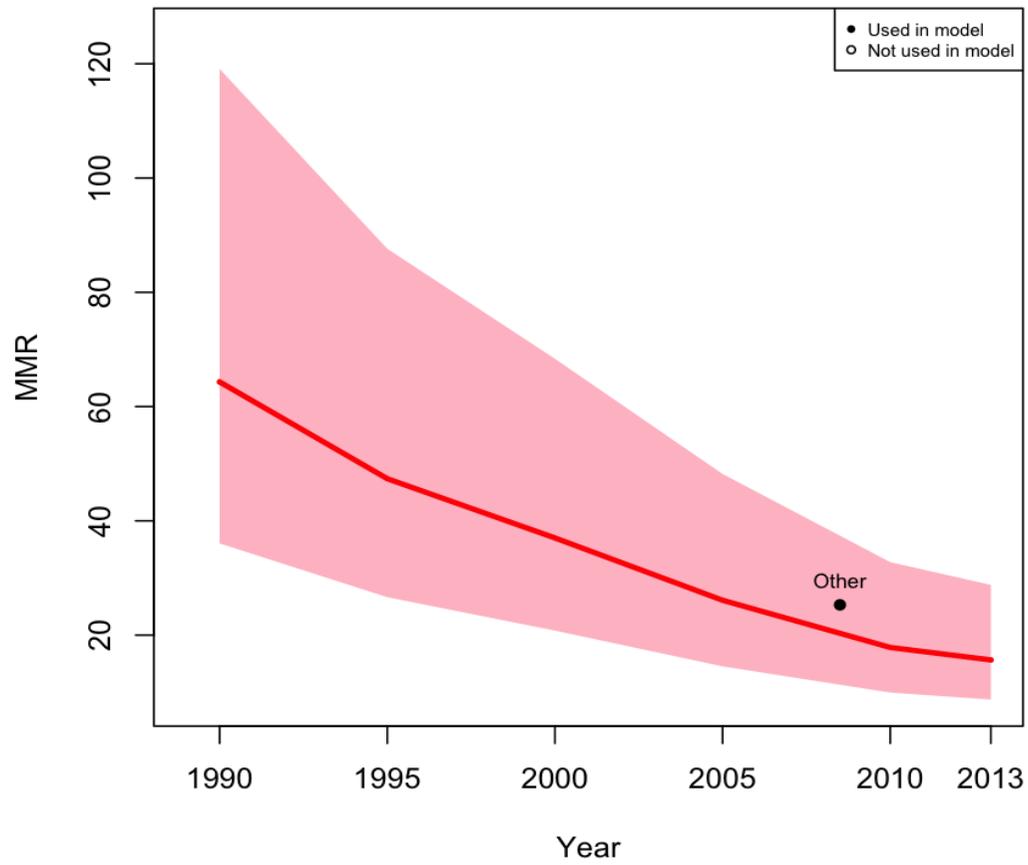
Source	Definition	Period	Reported in the source				Adjusted MMR ^c	
			Maternal deaths	Female deaths 15-49	Live births	PM (%)	MMR per 100 000 lb	per 100 000 lb
MMR in Lebanon in 2008	Maternal	2008-2009	13	...	84,823	...	23	25 ^d

^d used in the regression

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Covariates used in the model of maternal mortality estimation

Lebanon

Year	GDP pc (PPP) PPP int\$	General fertility rate per 1000 women 15-49	Skilled attendance at birth % of births
1990	7421	98	93.6
1995	9740	83	96.4
2000	10043	70	98.0
2005	9839	54	98.9
2010	12027	49	99.4
2013	12581	47	99.6

GDP per capita measured in purchasing power parity (PPP) equivalent dollars using 2005 as base year.

- Sources*
1. The World Bank Data Catalog, 2013 (<http://datacatalog.worldbank.org/>).
 2. Penn World Tables 7.1. (<https://pwt.sas.upenn.edu/>)
 3. World Health Organization. Country Profiles.

General fertility rate

Source United Nations Population Division. World Population Prospects, the 2012 Revision. UN. New York, 2013.

Skilled attendance at birth as a proportion of total births consists of time series derived using all available data from healthy surveys and other sources.

Annual series were estimated by fitting a simple model of the logit (or log-odds) of observed SAB proportions with time as the sole covariate; the model was estimated separately for each country.

When a country had only one observation, it was assumed that the SAB proportion remained constant over time.

Source UNICEF ChildInfo Monitoring the Situation of Children and Women. Statistics by area/maternal health, updated January 2014.