

# Maternal mortality in 1990-2015

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

## EGYPT

Year	Maternal mortality ratio (MMR) <sup>a</sup>	Maternal deaths	AIDS-related indirect maternal deaths	Live births <sup>b</sup>	Proportion of maternal deaths among deaths of female reproductive age (PM %)
	Per 100 000 live births (lb)	Numbers	Numbers	Thousands	
1990	106 [90-128]	2000	0	1871	9.2
1995	83 [72-99]	1400	0	1695	6.2
2000	63 [56-71]	1100	0	1714	4.7
2005	52 [47-57]	970	0	1867	3.9
2010	40 [35-45]	910	1	2247	3.7
2015	33 [26-39]	820	1	2488	3.5

<sup>a</sup> MMR and PM are calculated for women 15-49 years.

<sup>b</sup> Live birth data are from World Population Prospects: the 2015 Revision. New York, Population Division, Department of Economic and Social Affairs, United Nations Secretariat; 2015.

Annual Rate of Reduction	(%)
1990-2015	4.7 [3.8 - 5.9]
1990-2000	5.3 [3.7 - 6.9]
2000-2015	4.3 [3.1 - 6.2]
2005-2015	4.5 [3 - 7.2]

## Available data sources

Data from civil registration system:

	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Maternal deaths <sup>c</sup>	–	–	1202	–	–	–	713	700	–	–	–	–	–	–	–	491
Late maternal deaths <sup>d</sup>	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	4
Female deaths <sup>e</sup>	–	–	24504	–	–	–	22958	22200	–	–	–	–	–	–	–	20471
Adjustment factor <sup>f</sup>	–	–	2.2	–	–	–	2.5	2.4	–	–	–	–	–	–	–	1.5
Maternal deaths not included <sup>g</sup>	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Maternal deaths <sup>c</sup>	512	646	692	535	565	603	567	449	577	519	550	531	503	–	–
Late maternal deaths <sup>d</sup>	7	6	5	8	8	7	1	6	11	6	12	12	15	–	–
Female deaths <sup>e</sup>	21314	21536	21725	21608	22107	22376	22249	22692	23426	24472	23772	24751	24340	–	–
Adjustment factor <sup>f</sup>	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	–	–
Maternal deaths not included <sup>g</sup>	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

<sup>c</sup> ICD10 codes O00-O99 Pregnancy, childbirth and the puerperium and A34 Obstetrical tetanus; ICD9 codes 630-676 Complications of pregnancy, childbirth and the puerperium.

<sup>d</sup> ICD10 codes O96 and O97.

<sup>e</sup> Female deaths data are from WHO VR database 2015.

<sup>f</sup> For details on the adjustment factor please refer to: WHO, UNICEF, UNFPA, World Bank Group and the United Nations Population Division. Trends in maternal mortality: 1990 to 2015. Geneva: World Health Organization; 2015.

<sup>g</sup> Did not meet inclusion criteria or confidential inquiry used instead.

## Available data sources (continued)

Data from studies **included** in analysis:

Source	Definition	Study period	Maternal deaths	Female deaths, 15-49	PM(%)	MMR per 100 000 lb	Adjusted MMR per 100 000 lb
NMMS 1992-1993	Maternal	1992.2-1993.2	772	7487	10.3		140
NMMS 2000	Maternal	2000-2001	585	8497	6.9		102
NMMSS 2004	Maternal	2004-2005	1251	21553	5.8		85
NMMSS 2006	Maternal	2006-2007	1143	22292	5.1		74

Data from studies **not included** in analysis:

Source	Definition	Study period	Maternal deaths	Female deaths, 15-49	PM(%)	MMR per 100 000 lb	Adjusted MMR per 100 000 lb
--------	------------	--------------	-----------------	----------------------	-------	--------------------	-----------------------------

## Covariates used in the model

Year	GDP per capita, PPP (constant 2011 Int \$)	General Fertility Rate per 1000 women 15-49	Skilled attendance at birth (% of births)
1990	5923	147	40
1995	6590	117	54
2000	7706	102	68
2005	8699	96	79
2010	10437	105	87
2015	10781	108	92

GDP per capita measured in purchasing power parity (PPP) equivalent dollars, reported as constant 2011 international dollars, based on estimates published by World Bank Group.

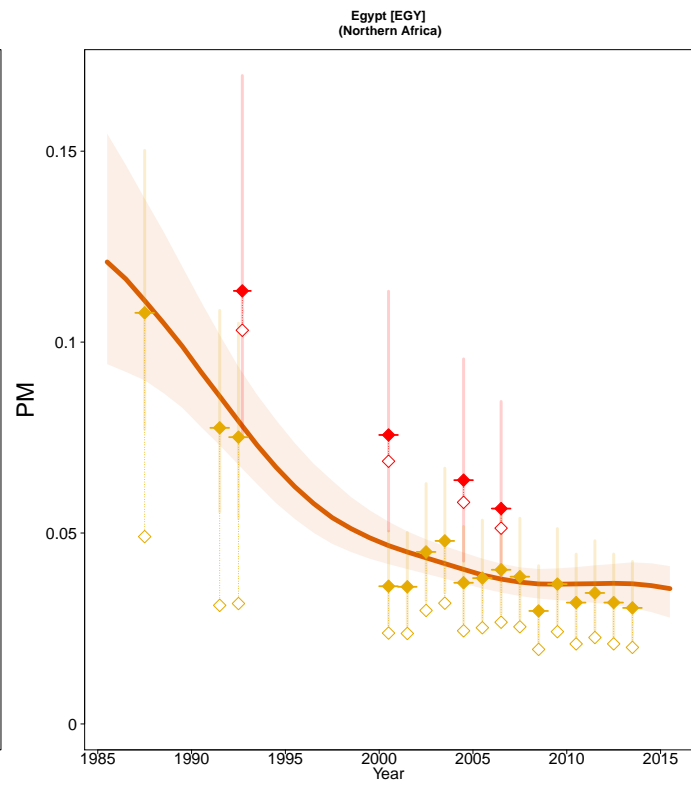
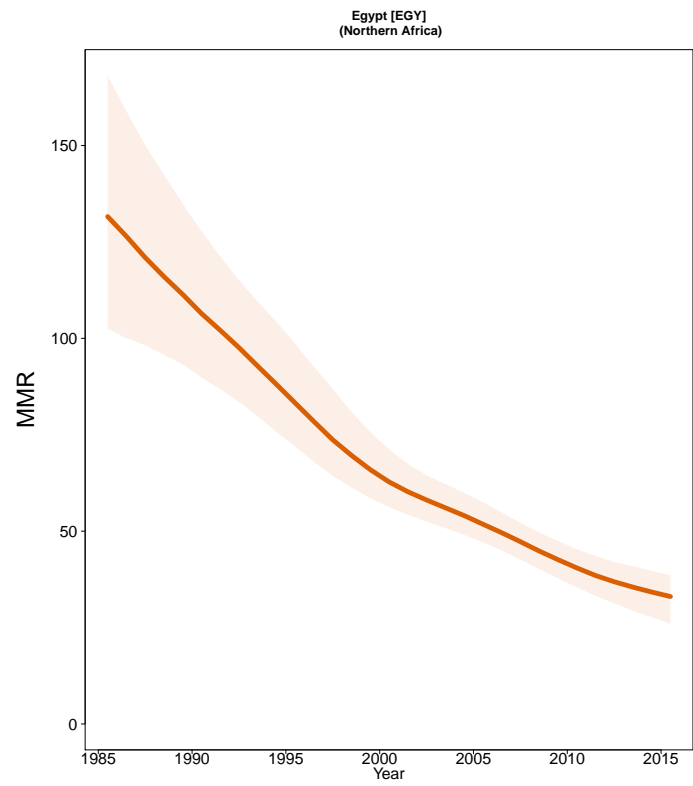
*Source:* World Bank Group, International Comparison Program database, 2014.

General fertility rate

*Source:* World Population Prospects: the 2015 Revision. New York, Population Division, Department of Economic and Social Affairs, United Nations Secretariat; 2015.

Percentage of births attended by skilled health personnel (doctors, nurses or midwives).

*Source:* UNICEF global databases 2015, based on MICS, DHS and other nationally representative sources. (<http://data.unicef.org/>).



- Estimates -
- MMEIG 2015
- MMR Database 2015 -
- ◇ Observed Data
- ◆ Adjusted Data
- Data type -
- ◆ VR
- ◆ Misc. studies