

Maternal mortality in 1990-2015

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

MEXICO

| Year | Maternal mortality ratio (MMR) ^a | Maternal deaths | AIDS-related indirect maternal deaths | Live births ^b | Proportion of maternal deaths among deaths of female reproductive age (PM %) |
|------|---|-----------------|---------------------------------------|--------------------------|--|
| | Per 100 000 live births (lb) | Numbers | Numbers | Thousands | |
| 1990 | 90 [88-92] | 2200 | 2 | 2461 | 8.1 |
| 1995 | 85 [83-87] | 2100 | 5 | 2511 | 7.3 |
| 2000 | 77 [75-78] | 1900 | 5 | 2486 | 6.5 |
| 2005 | 54 [52-55] | 1300 | 6 | 2410 | 4.2 |
| 2010 | 45 [44-47] | 1100 | 5 | 2375 | 3.2 |
| 2015 | 38 [34-42] | 890 | 2 | 2346 | 2.5 |

^a MMR and PM are calculated for women 15-49 years.

^b 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 | 3.4 [3 - 3.9] |
| 1990-2000 | 1.6 [1.2 - 1.9] |
| 2000-2015 | 4.7 [3.9 - 5.5] |
| 2005-2015 | 3.5 [2.3 - 4.7] |

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 ^c | 1692 | 1666 | 1536 | 1511 | 1505 | – | – | – | – | – | – | – | – | – | – | – |
| Late maternal deaths ^d | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Female deaths ^e | 28322 | 27018 | 26679 | 26615 | 26762 | – | – | – | – | – | – | – | – | – | – | – |
| Adjustment factor ^f | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | – | – | – | – | – | – | – | – | – | – | – |
| Maternal deaths not included ^g | – | – | – | – | – | 1467 | 1403 | 1388 | 1259 | 1399 | 1444 | 1283 | 1256 | 1407 | 1379 | 1287 |

| | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Maternal deaths ^c | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Late maternal deaths ^d | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Female deaths ^e | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Adjustment factor ^f | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Maternal deaths not included ^g | 1238 | 1292 | 1303 | 1222 | 1225 | 1145 | 1074 | 1097 | 1189 | 973 | 957 | 944 | 841 | – | – |

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

^d ICD10 codes O96 and O97.

^e Female deaths data are from WHO VR database 2015.

^f 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.

^g 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 |
|------------|------------|--------------|-----------------|----------------------|-------|--------------------|-----------------------------|
| BIRMM 2011 | Maternal | 1990-1991 | 2156 | | | | 89 |
| BIRMM 2011 | Maternal | 1991-1992 | 2108 | | | | 88 |
| BIRMM 2011 | Maternal | 1992-1993 | 2090 | | | | 87 |
| BIRMM 2011 | Maternal | 1993-1994 | 2058 | | | | 87 |
| BIRMM 2011 | Maternal | 1994-1995 | 2021 | | | | 86 |
| BIRMM 2011 | Maternal | 1995-1996 | 1967 | | | | 84 |
| BIRMM 2011 | Maternal | 1996-1997 | 1937 | | | | 83 |
| BIRMM 2011 | Maternal | 1997-1998 | 1874 | | | | 81 |
| BIRMM 2011 | Maternal | 1998-1999 | 1874 | | | | 82 |
| BIRMM 2011 | Maternal | 1999-2000 | 1904 | | | | 83 |
| BIRMM 2011 | Maternal | 2000-2001 | 1751 | | | | 77 |
| BIRMM 2011 | Maternal | 2001-2002 | 1618 | | | | 71 |
| BIRMM 2014 | Maternal | 2002-2003 | 1282 | | | | 56 |
| BIRMM 2014 | Maternal | 2003-2004 | 1298 | | | | 57 |
| BIRMM 2014 | Maternal | 2003-2004 | 1299 | | | | 57 |
| BIRMM 2014 | Maternal | 2004-2005 | 1219 | | | | 54 |
| BIRMM 2014 | Maternal | 2005-2006 | 1237 | | | | 55 |
| BIRMM 2014 | Maternal | 2006-2007 | 1123 | | | | 50 |
| BIRMM 2014 | Maternal | 2007-2008 | 1080 | | | | 49 |
| BIRMM 2014 | Maternal | 2008-2009 | 1107 | | | | 50 |
| BIRMM 2014 | Maternal | 2009-2010 | 1199 | | | | 55 |
| BIRMM 2014 | Maternal | 2010-2011 | 979 | | | | 43 |
| BIRMM 2014 | Maternal | 2011-2012 | 966 | | | | 43 |
| BIRMM 2014 | Maternal | 2012-2013 | 947 | | | | 43 |
| BIRMM 2014 | Maternal | 2013-2014 | 846 | | | | 41 |

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 | 12426 | 116 | 82 |
| 1995 | 13159 | 102 | 87 |
| 2000 | 14314 | 91 | 90 |
| 2005 | 15050 | 82 | 93 |
| 2010 | 15676 | 74 | 95 |
| 2015 | 16750 | 68 | 96 |

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.

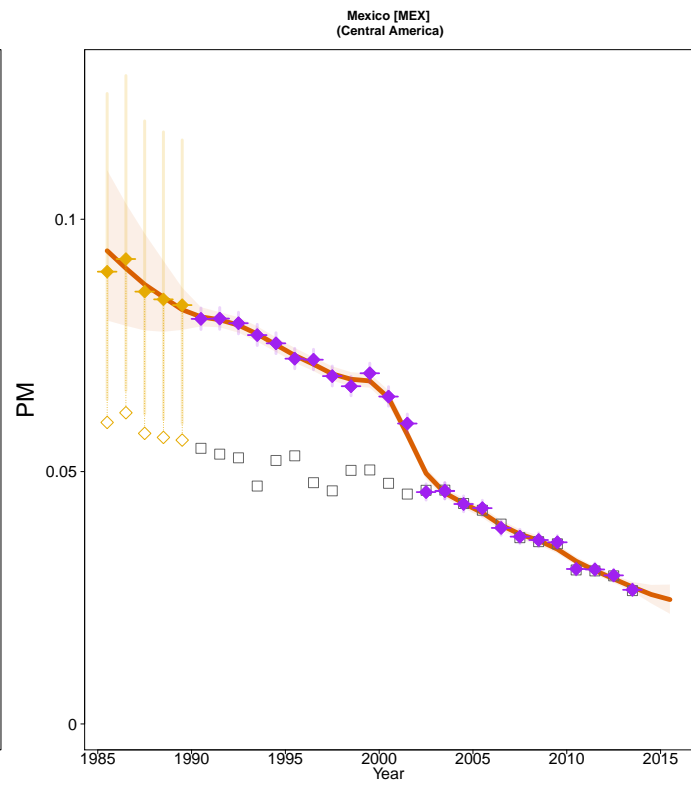
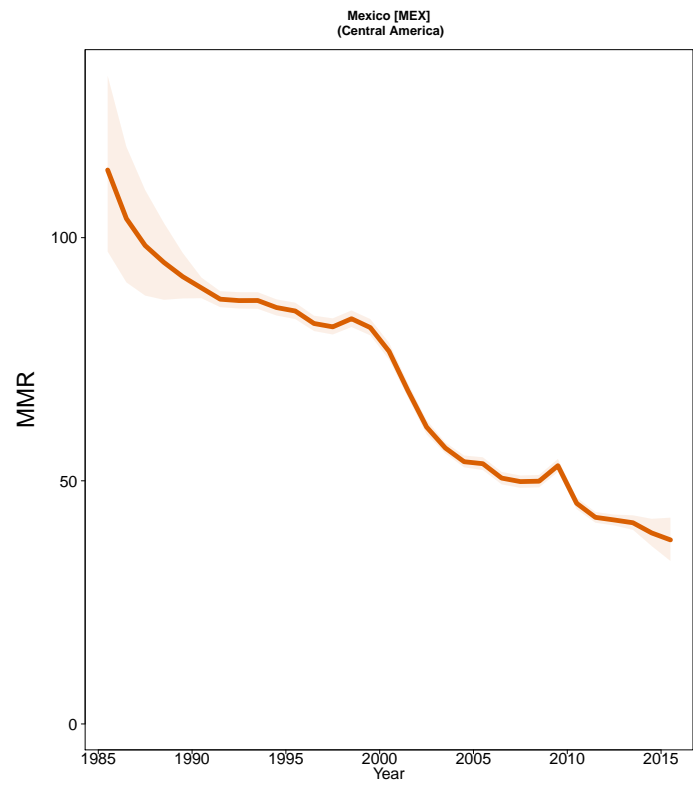
Source: World Bank Group, International Comparison Program database, 2014.

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
- ◆ Spec. studies
- Excluded VR data (overlap with specialized study)