

# Table 8.2 Mortality, 1975-2020

Sources: United Nations Population Division and United Nations Children's Fund

	Crude Death Rate (per 1,000)			Infant Mortality Rate (a) (per 1,000 live births)			Under-5 Mortality Rate (per 1,000 live births)			Average Annual Change in Under-5 Mortality (percent)		Maternal Mortality Rate (per 100,000 live births)
	1975-80	1995-00	2015-20	1975-80	1995-00	2015-20	1960	1980	1995	1960-80	1980-95	1990
<b>WORLD</b>	<b>11.0</b>	<b>8.9</b>	<b>8.0</b>	<b>87</b>	<b>57</b>	<b>35</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>
<b>AFRICA</b>	<b>17.7</b>	<b>12.9</b>	<b>8.4</b>	<b>120</b>	<b>86</b>	<b>55</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>
Algeria	13.4	5.6	4.6	112	44	21	243	145	61	(2.6)	(5.7)	160
Angola	24.4	18.7	11.1	160	124	79	345	261	292	(1.4)	0.7	X
Benin	21.1	12.4	6.9	122	84	46	310	176	142	(2.8)	(1.4)	990
Botswana	11.3	13.0	7.5	76	56	33	170	94	52	(3.0)	(3.9)	250
Burkina Faso	21.9	17.7	10.7	127	97	63	318	218	164	(1.3)	(2.7)	930
Burundi	18.8	17.0	10.8	127	114	78	255	193	176	(1.4)	(0.6)	1,300
Cameroon	17.6	11.9	6.5	102	58	34	264	173	106	(2.1)	(3.3)	550
Central African Rep	20.6	16.4	10.3	122	96	60	294	202	165	(1.9)	(1.4)	700
Chad	23.1	17.3	11.3	154	115	79	325	254	152	(2.3)	(2.0)	1,500
Congo, Dem Rep	17.5	13.5	8.0	117	89	53	286	204	185	(1.7)	(0.6)	870
Congo, Rep	17.4	14.6	8.5	91	90	55	220	125	108	(2.8)	(1.0)	890
Côte d'Ivoire	17.5	13.8	8.7	117	86	54	300	180	150	(2.8)	(0.8)	810
Egypt	14.2	7.1	6.0	131	54	25	258	180	51	(1.8)	(8.4)	170
Equatorial Guinea	22.7	16.2	10.7	149	107	73	316	243	X	X	X	X
Eritrea	18.9	14.7	9.0	130	98	57	X	X	195	(0.6)	(1.9)	1,400
Ethiopia	22.1	16.2	9.4	149	107	65	294	260	195	(0.6)	(1.9)	1,400
Gabon	19.2	14.3	9.3	122	85	47	287	194	148	(2.0)	(1.8)	500
Gambia, The	24.9	17.4	12.3	167	122	85	375	278	110	(2.0)	(5.5)	1,100
Ghana	15.3	10.4	6.9	103	73	43	215	157	130	(1.6)	(1.2)	740
Guinea	25.4	18.4	12.1	167	124	87	337	276	219	(1.0)	(1.5)	1,600
Guinea-Bissau	26.2	20.6	14.0	176	132	94	336	290	227	(0.7)	(1.6)	910
Kenya	15.5	11.3	6.2	88	65	37	202	112	90	(2.9)	(1.5)	650
Lesotho	16.5	10.6	6.6	121	72	37	204	173	154	(0.8)	(0.8)	610
Liberia	18.1	15.3	8.0	167	153	67	288	235	216	(1.0)	(0.6)	560
Libya	12.7	6.9	4.5	107	56	25	269	150	63	(4.1)	(4.2)	220
Madagascar	16.1	9.9	6.0	150	77	42	364	216	164	(2.6)	(1.8)	490
Malawi	24.0	22.4	12.6	177	142	93	365	290	219	(1.1)	(1.9)	560
Mali	24.1	17.1	11.1	191	149	107	400	310	210	(1.3)	(2.6)	1,200
Mauritania	20.0	13.1	8.8	125	92	59	321	249	195	(1.3)	(1.6)	930
Mauritius	6.3	6.5	6.9	38	15	8	84	42	23	(3.4)	(4.1)	120
Morocco	13.0	6.7	5.8	110	51	24	215	145	75	(2.0)	(4.4)	610
Mozambique	20.8	17.5	11.1	160	110	74	331	269	275	(1.0)	0.1	1,500
Namibia	15.1	11.8	7.4	98	60	36	206	114	78	(3.0)	(2.5)	370
Niger	23.8	17.1	10.9	157	114	79	320	320	320	0.0	0.0	X
Nigeria	19.2	13.9	9.2	105	77	51	204	196	191	(0.2)	(0.2)	1,000
Rwanda	20.2	19.7	11.7	133	125	84	191	222	139	0.8	(3.1)	1,300
Senegal	21.7	14.5	9.6	97	62	39	303	221	110	(1.6)	(4.6)	1,200
Sierra Leone	29.0	25.7	16.1	192	169	114	385	301	284	(1.2)	(0.4)	1,800
Somalia	22.7	16.9	10.7	149	112	77	294	246	211	(0.9)	(1.0)	1,600
South Africa	12.4	7.9	6.0	72	48	27	126	91	67	(1.6)	(2.1)	230
Sudan	17.8	11.7	8.4	97	71	45	292	210	115	(1.9)	(3.7)	660
Swaziland	16.0	9.2	5.7	108	65	34	233	151	X	X	X	X
Tanzania	16.4	13.5	8.0	113	80	51	249	202	160	(1.6)	(0.8)	770
Togo	17.4	14.9	8.5	117	86	52	264	175	128	(2.0)	(2.1)	640
Tunisia	10.0	5.9	5.5	88	37	18	244	102	37	(4.4)	(6.7)	170
Uganda	17.6	21.0	10.7	114	113	72	218	181	185	(0.9)	0.2	1,200
Zambia	16.5	18.0	9.3	94	103	55	220	160	203	(1.6)	1.6	940
Zimbabwe	13.1	14.6	8.0	86	68	39	181	125	74	(1.8)	(3.5)	570
<b>EUROPE</b>	<b>10.5</b>	<b>11.5</b>	<b>12.4</b>	<b>22</b>	<b>12</b>	<b>8</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>
Albania	6.4	6.2	7.1	50	32	20	151	57	40	(4.9)	(2.4)	65
Austria	12.4	10.0	10.7	17	6	5	43	17	7	(4.6)	(5.6)	10
Belarus, Rep	9.4	12.1	13.3	22	15	10	X	X	20	X	(3.1)	37
Belgium	11.7	10.5	11.3	14	7	5	35	15	10	(4.3)	(3.0)	10
Bosnia and Herzegovina	6.5	7.3	10.9	36	13	9	X	X	17	(7.0)	(5.4)	X
Bulgaria	10.5	13.3	13.9	22	16	10	27	25	19	(5.1)	(1.8)	27
Croatia, Rep	10.8	11.7	13.4	21	10	7	X	X	14	(7.2)	(3.1)	X
Czech Rep	13.2	12.0	12.3	18	9	6	X	X	10	X	(4.8)	15
Denmark	10.4	11.8	11.8	9	7	5	25	10	7	(4.4)	(2.8)	9
Estonia, Rep	12.1	13.1	13.9	22	12	6	X	X	22	X	(2.1)	41
Finland	9.3	10.2	11.3	9	5	5	28	9	5	(5.9)	(3.6)	11
France	10.3	9.1	10.5	11	7	6	X	X	9	(4.9)	(2.3)	15
Germany	12.2	10.9	12.6	15	6	5	40	16	7	(4.7)	(5.5)	22
Greece	8.8	9.9	12.3	25	8	7	64	23	10	(5.2)	(5.8)	10
Hungary	12.8	14.6	14.5	27	14	9	57	26	14	(3.9)	(4.2)	30
Iceland	6.4	6.8	7.4	9	5	5	22	9	X	X	X	X
Ireland	10.2	8.6	8.9	15	6	5	36	14	7	(4.6)	(4.6)	10
Italy	9.8	9.9	12.4	18	7	6	X	X	8	(5.3)	(5.3)	12
Latvia, Rep	12.4	13.8	14.6	23	16	11	X	X	26	X	(2.2)	40
Lithuania, Rep	9.9	11.6	12.9	22	13	7	X	X	19	X	(2.6)	36
Macedonia, FYR	7.1	7.4	9.3	57	23	13	X	X	31	(4.7)	(5.3)	X
Moldova, Rep	10.6	10.8	10.6	46	26	19	X	X	34	X	(2.4)	60
Netherlands	8.1	8.8	10.3	10	6	5	22	11	8	(3.4)	(2.4)	12
Norway	10.0	10.7	10.3	9	5	5	X	X	8	(3.8)	(2.2)	6
Poland, Rep	9.2	10.7	11.1	23	13	8	70	24	16	(5.3)	(2.7)	19
Portugal	10.3	10.9	11.7	30	8	5	112	31	11	(6.4)	(6.9)	15
Romania	9.7	11.6	12.8	31	24	14	82	36	29	(4.1)	(1.4)	130
Russian Federation	10.3	14.5	14.8	30	19	12	X	X	30	X	(2.4)	75
Slovak Rep	10.4	10.5	10.8	22	12	8	X	X	15	X	(2.7)	X
Slovenia, Rep	10.4	10.7	13.3	17	7	5	X	X	8	(4.6)	(5.2)	13
Spain	8.1	9.4	11.3	16	7	6	57	16	9	(6.2)	(3.7)	7
Sweden	10.9	11.2	10.4	8	5	5	20	9	5	(4.1)	(3.9)	7
Switzerland	9.0	9.1	10.4	10	5	5	27	11	7	(4.5)	(2.7)	6
Ukraine	11.0	13.8	14.4	23	18	10	X	X	24	X	(1.7)	50
United Kingdom	11.9	11.1	11.0	14	6	5	27	14	7	(3.1)	(4.3)	9
Yugoslavia, Fed Rep	9.2	9.7	11.6	38	19	12	X	X	23	(5.0)	(4.3)	X

Note: a. Under 1 year of age.

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	1975-80	1995-00	2015-20	1975-80	1995-00	2015-20	1960	1980	1995	1960-80	1980-95	1990
<b>NORTH AMERICA</b>	<b>8.5</b>	<b>8.6</b>	<b>8.8</b>	<b>14</b>	<b>7</b>	<b>5</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>
Canada	7.2	7.4	8.7	12	6	5	33	13	8	(4.8)	(3.6)	6
United States	8.6	8.7	8.8	14	7	5	30	15	10	(3.3)	(2.8)	12
<b>CENTRAL AMERICA</b>	<b>8.3</b>	<b>5.3</b>	<b>5.5</b>	<b>62</b>	<b>33</b>	<b>22</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>
Belize	6.5	4.3	3.6	45	30	21	X	X	X	X	X	X
Costa Rica	4.8	3.8	4.7	30	12	8	112	29	16	(6.8)	(3.8)	62
Cuba	6.0	7.0	8.9	22	9	6	50	26	10	(3.3)	(6.0)	95
Dominican Rep	8.4	5.3	5.6	84	34	19	152	94	44	(2.4)	(5.0)	110
El Salvador	11.2	6.0	5.6	87	39	25	210	120	40	(2.8)	(7.3)	300
Guatemala	12.0	6.7	5.2	82	40	25	205	136	67	(2.0)	(4.7)	200
Haiti	16.0	12.8	8.8	121	82	51	270	195	124	(1.4)	(3.0)	1,000
Honduras	11.0	5.4	4.8	81	35	21	203	100	38	(3.6)	(6.4)	220
Jamaica	7.4	5.8	5.3	26	12	7	76	39	13	(3.4)	(7.2)	120
Mexico	7.7	5.1	5.6	57	31	21	141	81	32	(2.7)	(6.7)	110
Nicaragua	11.3	5.8	4.8	90	44	28	209	143	60	(1.9)	(5.8)	160
Panama	6.3	5.1	5.8	35	21	13	104	31	20	(6.0)	(2.9)	55
Trinidad and Tobago	7.1	6.0	6.4	32	14	7	73	40	18	(3.0)	(5.3)	90
<b>SOUTH AMERICA</b>	<b>8.9</b>	<b>6.8</b>	<b>6.8</b>	<b>72</b>	<b>36</b>	<b>23</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>
Argentina	8.9	7.9	7.5	39	22	14	68	41	27	(2.5)	(2.8)	100
Bolivia	16.0	9.1	6.4	131	66	33	252	170	105	(2.0)	(3.2)	650
Brazil	9.1	7.1	7.4	79	42	26	181	93	60	(3.3)	(2.9)	220
Chile	7.5	5.6	6.6	45	13	9	138	35	15	(6.9)	(5.6)	65
Colombia	7.6	5.6	5.9	59	24	21	132	59	36	(4.1)	(3.2)	100
Ecuador	9.8	6.0	6.0	82	46	29	180	101	40	(2.9)	(6.2)	150
Guyana	9.2	7.4	7.0	67	58	37	126	88	X	X	X	X
Paraguay	7.8	5.4	4.7	51	39	27	90	61	34	(1.9)	(3.9)	160
Peru	10.9	6.4	6.1	99	45	24	236	130	55	(3.0)	(5.7)	280
Suriname	7.3	5.5	5.4	44	24	12	96	52	X	X	X	X
Uruguay	10.1	10.4	10.3	42	17	14	47	42	21	(0.6)	(4.6)	85
Venezuela	5.8	4.7	5.2	39	21	14	70	42	24	(2.6)	(3.8)	120
<b>ASIA</b>	<b>10.5</b>	<b>7.9</b>	<b>7.4</b>	<b>94</b>	<b>56</b>	<b>32</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>
Afghanistan, Islamic State	24.0	20.8	12.8	183	154	118	360	280	257	(1.3)	(0.6)	1,700
Armenia, Rep	5.9	7.5	9.0	22	25	19	X	X	31	X	(0.6)	50
Azerbaijan	7.0	6.6	7.3	41	33	24	X	X	50	X	(1.1)	22
Bangladesh	18.9	9.7	6.7	137	78	38	247	211	115	(0.8)	(4.0)	850
Bhutan	21.2	13.7	8.0	165	104	56	324	249	189	(1.3)	(1.8)	1,600
Cambodia	40.0	12.2	8.1	263	102	55	217	330	174	2.1	(4.3)	900
China	6.7	7.1	8.2	52	38	20	209	65	47	(5.9)	(2.1)	95
Georgia	8.7	9.5	10.7	36	23	18	X	X	26	X	(2.9)	33
India	13.9	9.0	7.6	129	72	45	236	177	115	(1.4)	(2.9)	570
Indonesia	15.1	7.6	7.0	105	48	23	216	128	75	(2.6)	(3.5)	650
Iran, Islamic Rep	11.8	6.0	4.4	100	39	20	233	126	40	(3.1)	(7.6)	120
Iraq	8.8	8.5	4.5	84	95	23	171	83	71	(3.6)	(1.0)	310
Israel	6.8	6.4	6.5	18	7	5	39	19	9	(3.6)	(5.3)	7
Japan	6.1	8.2	12.1	9	4	4	40	11	6	(6.6)	(3.5)	18
Jordan	9.6	4.8	3.7	65	30	15	149	66	25	(4.1)	(6.4)	150
Kazakhstan, Rep	8.8	8.5	8.7	45	34	24	X	X	47	X	(2.8)	80
Korea, Dem People's Rep	6.2	5.5	6.7	38	22	13	120	43	30	(5.1)	(2.5)	70
Korea, Rep	7.1	6.4	8.4	30	9	6	124	18	9	(9.8)	(4.4)	130
Kuwait	4.2	2.2	4.0	34	14	7	X	X	14	(6.6)	(6.2)	29
Kyrgyz Rep	9.6	7.4	6.5	55	39	27	X	X	54	X	(3.4)	110
Lao People's Dem Rep	20.7	13.5	7.5	135	86	49	233	190	134	(1.0)	(2.3)	650
Lebanon	8.7	6.4	6.0	48	29	17	91	62	40	(3.8)	0.0	300
Malaysia	7.2	4.8	5.1	34	11	7	105	42	13	(4.6)	(7.8)	80
Mongolia	11.4	6.8	5.2	88	52	33	185	112	74	(2.5)	(2.8)	65
Myanmar	14.9	9.8	7.1	114	78	33	237	146	150	(2.4)	0.2	580
Nepal	18.4	11.0	6.6	142	82	40	279	177	114	(2.4)	(3.0)	1,500
Oman	12.4	4.3	3.2	95	25	12	300	95	25	(5.7)	(8.9)	190
Pakistan	15.4	7.8	5.2	130	74	45	221	151	137	(1.9)	(0.6)	340
Philippines	9.0	5.7	5.3	62	35	18	102	70	53	(1.9)	(1.8)	280
Saudi Arabia	10.7	4.2	3.7	75	23	10	X	X	34	(5.9)	(6.5)	130
Singapore	5.1	5.0	7.1	13	5	5	40	13	6	(5.6)	(5.7)	10
Sri Lanka	7.1	5.9	6.6	44	15	8	130	52	19	(4.6)	(6.7)	140
Syrian Arab Rep	8.9	4.9	4.0	67	33	17	201	73	36	(5.1)	(4.7)	180
Tajikistan, Rep	8.9	6.9	5.5	69	56	38	X	X	79	X	(3.1)	130
Thailand	8.3	6.6	7.4	56	30	13	146	61	32	(4.4)	(4.2)	200
Turkey	10.2	6.5	6.7	120	44	22	217	141	50	(2.2)	(6.9)	180
Turkmenistan, Rep	9.6	7.6	6.0	73	57	38	X	X	85	X	(2.6)	55
United Arab Emirates	7.4	2.9	6.0	38	15	6	240	64	19	(6.6)	(8.1)	26
Uzbekistan, Rep	8.5	6.6	5.7	58	43	30	X	X	62	X	(3.1)	55
Vietnam	11.4	7.0	5.8	82	37	21	219	105	X	X	X	X
Yemen	20.7	10.4	5.2	158	80	38	X	X	110	(2.4)	(4.3)	1,400
<b>OCEANIA</b>	<b>8.7</b>	<b>7.7</b>	<b>7.6</b>	<b>35</b>	<b>24</b>	<b>15</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>
Australia	7.7	7.5	8.1	13	6	5	24	13	8	(3.0)	(3.5)	9
Fiji	5.8	4.6	5.5	37	20	10	97	42	X	X	X	X
New Zealand	8.2	7.9	8.0	14	7	5	26	16	9	(2.5)	(4.0)	25
Papua New Guinea	15.0	9.9	7.0	77	61	37	248	95	95	(4.8)	0.0	930
Solomon Islands	7.4	4.1	3.4	47	23	12	X	X	X	X	X	X
<b>DEVELOPING</b>	<b>11.5</b>	<b>8.5</b>	<b>7.4</b>	<b>98</b>	<b>62</b>	<b>38</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>
<b>DEVELOPED</b>	<b>9.5</b>	<b>10.3</b>	<b>11.2</b>	<b>18</b>	<b>9</b>	<b>7</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>

Note: a. Under 1 year of age.

**Table 8.2 Mortality, 1975-2020**

**Sources:** Crude death rate and infant mortality rate data: United Nations (U.N.) Population Division, World Population Prospects 1950-2050 (The 1996 Revision), on diskette (U.N., New York, 1996). Under-5 mortality rate, average annual change in under-5 mortality, and maternal mortality rate: United Nations Children's Fund (UNICEF), *State of the World's Children 1997* (UNICEF, New York, 1997), including information from the U.N. Population Division, U.N. Statistical Division, the World Bank, the U.S. Bureau of Census, and the World Health Organization (WHO).

The *crude death rate* is derived by dividing the number of deaths in a given year by the midyear population and multiplying by 1,000. The *infant mortality rate* is the probability of dying by exact age 1, multiplied by 1,000.

The *under-5 mortality rate* is the probability of dying by exact age 5, multiplied by 1,000. UNICEF provides this cohort measure, which is derived from *Child Mortality Since the 1960s: A Database for Developing Countries* (U.N., New York, 1992) and from infant mortality estimates provided by the U.N. Population Division. The mix is the result of a move from modeled estimates to estimates based on a periodically updated child mortality database. Nonetheless, this variable should not be compared to the U.N. Population Division's infant mortality rate, which is derived from population models where otherwise not available.

The *average annual change in under-5 mortality* is UNICEF's separate estimate of the average annual reduction in the rate of children dying between birth and exactly 5 years for the range of years specified (either 1960-80 or 1980-95).

The *maternal mortality rate* is the annual number of deaths from pregnancy- or childbirth-related causes per 100,000 live births. A maternal death is defined by WHO as the death of a woman while pregnant or within 42 days of the termination of pregnancy from any cause related to or aggravated by the pregnancy, including abortion. Most official maternal mortality rates are underestimated because of underreporting, incorrect classification, and unavailable cause of death information. In some countries, over 60 percent of women's deaths are registered without a specified cause. Maternal deaths are highest among women aged 10-15 years, over 40 years, and in women with five or more children. Data are provided to UNICEF by WHO and refer to a single year between 1980 and 1990. Data for a few countries are outside the range of years indicated. The models used for deriving estimates of maternal mortality are relatively new. In addition, in many cases it is difficult to estimate the number of maternal deaths outside a hospital setting. For the data presented in this table, UNICEF states that: "Several of the maternal mortality rates . . . are substantially different from official government estimates. These and other rates are being reviewed by WHO and UNICEF and will be revised where necessary, as part of the ongoing process of improving maternal mortality estimates."