

Measuring human development

An introduction to Table 10

If development is to be measured by a comprehensive and inclusive assessment, then the need arises for a method of measuring human as well as economic progress. From UNICEF's point of view, there is a need for an agreed method of measuring the level of child well-being and its rate of change.

The under-five mortality rate (U5MR) is used in Table 10 (*pages 150–153*) as the principal indicator of such progress. In 2006, for the first time since records have been kept, the number of children dying before their fifth birthday fell below 10 million, to 9.7 million – an important milestone in child survival. Around 1960, approximately 20 million children were dying every year – highlighting an important long-term decline in the global number of under-five deaths.

The U5MR has several advantages. First, it measures an end result of the development process rather than an 'input', such as school enrolment level, per capita calorie availability or the number of doctors per thousand population – all of which are means to an end.

Second, the U5MR is known to be the result of a wide variety of inputs: antibiotics to treat pneumonia; insecticide-treated mosquito nets to prevent malaria; the nutritional health and the health knowledge of mothers; the level of immunization and oral rehydration therapy use; the availability of maternal and child health services, including prenatal care; income and food availability in the family; the availability of safe drinking water and basic sanitation; and the overall safety of the child's environment.

Third, the U5MR is less susceptible to the fallacy of the average than, for example, per capita gross national income (GNI). This is because the natural scale does not allow the children of the rich to be one thousand times as likely to survive, even if the human-made scale does permit them to have one thousand times as much income. In other words, it is much more difficult for a wealthy minor-

ity to affect a nation's U5MR, and it therefore presents a more accurate, if far from perfect, picture of the health status of the majority of children and of society as a whole.

The speed of progress in reducing the U5MR can be measured by calculating its average annual rate of reduction (AARR). Unlike the comparison of absolute changes, the AARR reflects the fact that the lower limits to U5MR are approached only with increasing difficulty. As lower levels of under-five mortality are reached, for example, the same absolute reduction obviously represents a greater percentage reduction. The AARR therefore shows a higher rate of progress for a 10-point reduction, for example, if that reduction happens at a lower level of under-five mortality. A fall in the U5MR of 10 points from 100 to 90 represents a reduction of 10 per cent, whereas the same 10-point fall from 20 to 10 represents a reduction of 50 per cent. (A negative value for the percentage reduction indicates an increase in the U5MR over the period specified.)

When used in conjunction with gross domestic product (GDP) growth rates, the U5MR and its rate of reduction can therefore give a picture of the progress being made by any country, territory or region, and over any period of time, towards the satisfaction of some of the most essential of human needs.

As Table 10 shows, there is no fixed relationship between the annual reduction rate of the U5MR and the annual rate of growth in per capita GDP. Such comparisons help to shed light on the relationship between economic advances and human development.

Finally, the table gives the total fertility rate for each country and territory and the corresponding average annual rate of reduction. It is clear that many of the nations that have achieved significant reductions in their U5MR have also achieved significant reductions in fertility.

TABLE 10. THE RATE OF PROGRESS

Countries and territories	Under-5 mortality rank	Under-5 mortality rate			Average annual rate of reduction (%) ^a		Reduction since 1990 (%) ^b	GDP per capita average annual growth rate (%)		Total fertility rate			Average annual rate of reduction (%)	
		1970	1990	2006	1970-1990	1990-2006		1970-1990	1990-2006	1970	1990	2006	1970-1990	1990-2006
Afghanistan	3	320	260	257	1.0	0.1	1	1.6x	-	7.7	8.0	7.2	-0.2	0.6
Albania	122	109	45	17	4.4	6.1	62	-0.7x	5.2	4.9	2.9	2.1	2.6	2.0
Algeria	75	220	69	38	5.8	3.7	45	2	1.3	7.4	4.7	2.4	2.3	4.2
Andorra	189	-	6	3	-	4.3	50	-	-	-	-	-	-	-
Angola	2	300	260	260	0.7	0.0	0	0.4x	2.1	7.3	7.2	6.5	0.1	0.6
Antigua and Barbuda	143	-	-	11	-	-	-	6.5x	1.8	-	-	-	-	-
Argentina	125	71	29	16	4.5	3.7	45	-1	1.3	3.1	3.0	2.3	0.1	1.7
Armenia	101	-	56	24	-	5.3	57	-	5.2	3.2	2.5	1.3	1.2	4.0
Australia	161	20	10	6	3.5	3.2	40	2	2.5	2.7	1.9	1.8	1.9	0.3
Austria	167	33	10	5	6.0	4.3	50	2	1.9	2.3	1.5	1.4	2.3	0.2
Azerbaijan	46	-	105	88	-	1.1	16	-	1.5	4.6	3.0	1.7	2.2	3.4
Bahamas	130	49	29	14	2.6	4.6	52	2	0.4x	3.6	2.6	2.0	1.6	1.5
Bahrain	146	82	19	10	7.3	4.0	47	-1.3x	2.3x	6.5	3.7	2.4	2.8	2.9
Bangladesh	55	239	149	69	2.4	4.8	54	1	3	6.4	4.4	2.9	1.9	2.5
Barbados	138	54	17	12	5.8	2.2	29	2	1.5x	3.1	1.7	1.5	3.1	0.7
Belarus	135	-	24	13	-	3.8	46	-	2.8	2.3	1.9	1.2	1.0	2.8
Belgium	175	29	10	4	5.3	5.7	60	2	1.8	2.2	1.6	1.6	1.7	-0.2
Belize	125	-	43	16	-	6.2	63	3	2.3	6.3	4.5	3.0	1.7	2.4
Benin	20	252	185	148	1.5	1.4	20	0	1.4	7.0	6.8	5.6	0.2	1.2
Bhutan	54	267	166	70	2.4	5.4	58	4.7x	4.8	6.7	5.9	2.3	0.6	5.8
Bolivia	61	243	125	61	3.3	4.5	51	-1	1.3	6.6	4.9	3.6	1.5	1.9
Bosnia and Herzegovina	128	82	22	15	6.6	2.4	32	-	11.6x	2.9	1.7	1.2	2.6	2.1
Botswana	29	142	58	124	4.5	-4.7	-114	8	4.8	6.6	4.7	3.0	1.7	2.9
Brazil	113	136	57	20	4.3	6.5	65	2	1.1	5.0	2.8	2.3	2.9	1.3
Brunei Darussalam	148	78	11	9	9.8	1.3	18	-2.1x	-0.8x	5.7	3.2	2.4	2.8	2.0
Bulgaria	130	32	18	14	2.9	1.6	22	3.4x	2	2.2	1.7	1.3	1.2	1.7
Burkina Faso	10	287	206	204	1.7	0.1	1	1	1.5	7.6	7.3	6.1	0.2	1.1
Burundi	14	244	190	181	1.3	0.3	5	1	-2.6	6.8	6.8	6.8	0.0	0.0
Cambodia	47	-	116	82	-	2.2	29	-	5.8x	5.9	5.8	3.3	0.1	3.6
Cameroon	19	215	139	149	2.2	-0.4	-7	3	0.7	6.2	5.9	4.5	0.2	1.7
Canada	161	23	8	6	5.3	1.8	25	2	2.2	2.2	1.7	1.5	1.5	0.6
Cape Verde	83	-	60	34	-	3.5	43	-	3.3	7.0	5.5	3.5	1.2	2.8
Central African Republic	15	232	173	175	1.5	-0.1	-1	-1	-0.6	5.7	5.7	4.7	0.0	1.2
Chad	7	-	201	209	-	-0.2	-4	-1	2.4	6.5	6.7	6.3	-0.1	0.3
Chile	148	98	21	9	7.7	5.3	57	2	3.7	4.0	2.6	1.9	2.1	1.9
China	101	118	45	24	4.8	3.9	47	7	8.8	5.6	2.2	1.7	4.7	1.6
Colombia	110	105	35	21	5.5	3.2	40	2	0.8	5.6	3.0	2.3	3.1	1.7
Comoros	57	215	120	68	2.9	3.5	43	0.1x	-0.4	7.1	6.1	4.5	0.7	2.0
Congo	27	142	103	126	1.6	-1.3	-22	3	-0.8	6.3	5.4	4.6	0.8	1.0
Congo, Democratic Republic of the	9	245	205	205	0.9	0.0	0	-2	-4.7	6.4	6.7	6.7	-0.3	0.0
Cook Islands	116	-	32	19	-	3.3	41	-	-	-	-	-	-	-
Costa Rica	138	83	18	12	7.6	2.5	33	1	2.4	5.0	3.2	2.1	2.3	2.5
Côte d'Ivoire	26	237	153	127	2.2	1.2	17	-2	-0.5	7.4	6.6	4.6	0.5	2.2
Croatia	161	42	12	6	6.3	4.3	50	-	2.8	2.0	1.7	1.3	0.9	1.4
Cuba	157	43	13	7	6.0	3.9	46	-	3.5x	4.0	1.8	1.5	4.2	0.8
Cyprus	175	33	12	4	5.1	6.9	67	5.9x	2.3x	2.6	2.4	1.6	0.4	2.6
Czech Republic	175	24	13	4	3.1	7.4	69	-	2.1	2.0	1.8	1.2	0.5	2.5
Denmark	167	19	9	5	3.7	3.7	44	2	1.9	2.1	1.7	1.8	1.2	-0.5
Djibouti	25	-	175	130	-	1.9	26	-	-2.4	7.4	6.2	4.1	0.9	2.5
Dominica	128	-	17	15	-	0.8	12	4.7x	1.4	-	-	-	-	-
Dominican Republic	92	127	65	29	3.3	5.0	55	2	3.7	6.2	3.3	2.9	3.1	0.9
Ecuador	101	140	57	24	4.5	5.4	58	1	1	6.3	3.7	2.6	2.7	2.0
Egypt	81	235	91	35	4.7	6.0	62	4	2.4	6.2	4.4	3.0	1.7	2.4
El Salvador	97	162	60	25	5.0	5.5	58	-2	1.6	6.4	3.7	2.7	2.7	1.9
Equatorial Guinea	8	-	170	206	-	-1.2	-21	-	21.6	5.7	5.9	5.4	-0.2	0.5
Eritrea	51	237	147	74	2.4	4.3	50	-	0x	6.6	6.2	5.2	0.3	1.1
Estonia	157	26	16	7	2.4	5.2	56	1.5x	4.9	2.1	1.9	1.5	0.4	1.8
Ethiopia	30	241	204	123	0.8	3.2	40	-	1.9	6.8	6.8	5.4	0.0	1.4
Fiji	119	65	22	18	5.4	1.3	18	0.6x	1.4x	4.5	3.4	2.8	1.5	1.2
Finland	175	16	7	4	4.1	3.5	43	3	2.6	1.9	1.7	1.8	0.3	-0.2
France	175	24	9	4	4.9	5.1	56	2	1.6	2.5	1.8	1.9	1.7	-0.5

	Under-5 mortality rank	Under-5 mortality rate			Average annual rate of reduction (%) ^a		Reduction since 1990 (%) ^b	GDP per capita average annual growth rate (%)		Total fertility rate			Average annual rate of reduction (%)	
		1970	1990	2006	1970-1990	1990-2006		1970-1990	1990-2006	1970	1990	2006	1970-1990	1990-2006
Gabon	44	-	92	91	-	0.1	1	0	-1	4.8	4.8	3.1	0.0	2.6
Gambia	37	311	153	113	3.5	1.9	26	1	0.3	6.7	6.0	4.8	0.5	1.4
Georgia	86	-	46	32	-	2.3	30	3	1	2.6	2.1	1.4	1.0	2.5
Germany	175	26	9	4	5.3	5.1	56	2.2x	1.4	2.0	1.4	1.4	1.9	0.1
Ghana	32	183	120	120	2.1	0.0	0	-2	2.1	6.7	5.8	4.0	0.7	2.3
Greece	175	54	11	4	8.0	6.3	64	1	2.7	2.4	1.4	1.3	2.5	0.5
Grenada	113	-	37	20	-	3.8	46	4.9x	2.3	4.6	3.7	2.3	1.1	3.0
Guatemala	71	168	82	41	3.6	4.3	50	0	1.2	6.2	5.6	4.3	0.6	1.6
Guinea	17	338	235	161	1.8	2.4	31	0.3x	1.3	7.0	6.7	5.6	0.2	1.1
Guinea-Bissau	11	-	240	200	-	1.1	17	0	-2.5	6.8	7.1	7.1	-0.2	0.0
Guyana	60	-	88	62	-	2.2	30	-2	3	5.6	2.6	2.4	3.8	0.6
Haiti	48	222	152	80	1.9	4.0	47	0	-2	5.8	5.4	3.7	0.3	2.5
Holy See	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Honduras	95	170	58	27	5.4	4.8	53	1	0.6	7.3	5.1	3.4	1.7	2.6
Hungary	157	39	17	7	4.2	5.5	59	3	3.2	2.0	1.8	1.3	0.6	2.2
Iceland	189	14	7	3	3.5	5.3	57	3	2.3	3.0	2.2	2.0	1.6	0.4
India	49	192	115	76	2.6	2.6	34	2	4.4	5.4	4.0	2.9	1.5	2.0
Indonesia	83	172	91	34	3.2	6.2	63	5	2.2	5.5	3.1	2.2	2.8	2.1
Iran (Islamic Republic of)	83	191	72	34	4.9	4.7	53	-2	2.5	6.6	5.0	2.0	1.3	5.6
Iraq	68	125	53	46	4.3	0.9	13	-4.3x	-	7.2	5.9	4.4	1.0	1.8
Ireland	167	27	10	5	5.0	4.3	50	3	6	3.9	2.1	2.0	3.1	0.4
Israel	167	27	12	5	4.1	5.5	58	2	1.5x	3.8	3.0	2.8	1.2	0.4
Italy	175	33	9	4	6.5	5.1	56	3	1.3	2.4	1.3	1.4	3.1	-0.2
Jamaica	88	62	33	31	3.2	0.4	6	-1	0.7	5.5	2.9	2.5	3.1	1.0
Japan	175	21	6	4	6.3	2.5	33	3	0.9	2.1	1.6	1.3	1.3	1.4
Jordan	97	107	40	25	4.9	2.9	38	2.5x	1.8	7.9	5.5	3.2	1.8	3.4
Kazakhstan	92	-	60	29	-	4.5	52	-	2.6	3.5	2.8	2.2	1.1	1.5
Kenya	31	156	97	121	2.4	-1.4	-25	1	0	8.1	5.9	5.0	1.6	1.1
Kiribati	59	-	88	64	-	2.0	27	-5	1.9	-	-	-	-	-
Korea, Democratic People's Republic of	65	70	55	55	1.2	0.0	0	-	-	4.0	2.4	1.9	2.6	1.6
Korea, Republic of	167	54	9	5	9.0	3.7	44	6	4.5	4.5	1.6	1.2	5.2	1.9
Kuwait	143	59	16	11	6.5	2.3	31	-6.8x	0.6x	7.2	3.5	2.2	3.6	3.0
Kyrgyzstan	71	-	75	41	-	3.8	45	-	-0.9	4.9	3.9	2.5	1.2	2.8
Lao People's Democratic Republic	50	218	163	75	1.5	4.9	54	-	4.1	6.4	6.2	3.3	0.2	4.0
Latvia	148	26	18	9	1.8	4.3	50	3	4.2	1.9	1.9	1.3	0.0	2.5
Lebanon	89	54	37	30	1.9	1.3	19	-	2.5	5.1	3.1	2.2	2.4	2.2
Lesotho	24	186	101	132	3.1	-1.7	-31	3	2.3	5.8	4.9	3.5	0.8	2.2
Liberia	5	263	235	235	0.6	0.0	0	-4	2.2	6.9	6.9	6.8	0.0	0.1
Libyan Arab Jamahiriya	119	160	41	18	6.8	5.1	56	-4.8x	-	7.6	4.8	2.8	2.3	3.4
Liechtenstein	189	-	10	3	-	7.5	70	-	-	-	-	-	-	-
Lithuania	151	28	13	8	3.8	3.0	38	-	2.5	2.3	2.0	1.3	0.7	2.9
Luxembourg	175	26	10	4	4.8	5.7	60	3	3.3	2.0	1.6	1.7	1.1	-0.4
Madagascar	36	180	168	115	0.3	2.4	32	-2	-0.5	6.8	6.2	4.9	0.4	1.5
Malawi	32	341	221	120	2.2	3.8	46	0	1.1	7.3	7.0	5.7	0.2	1.2
Malaysia	138	70	22	12	5.8	3.8	45	4	3.2	5.6	3.7	2.7	2.0	2.1
Maldives	89	264	111	30	4.3	8.2	73	-	4.2x	7.0	6.2	2.6	0.6	5.4
Mali	6	400	250	217	2.4	0.9	13	-1	2.2	7.5	7.4	6.6	0.0	0.8
Malta	161	32	11	6	5.3	3.8	45	7	2.7x	2.1	2.0	1.4	0.0	2.5
Marshall Islands	64	-	92	56	-	3.1	39	-	-2.2	-	-	-	-	-
Mauritania	28	250	133	125	3.2	0.4	6	-1	0.5	6.6	5.8	4.5	0.6	1.6
Mauritius	130	86	23	14	6.6	3.1	39	5.1x	3.7	3.7	2.2	1.9	2.5	1.1
Mexico	81	110	53	35	3.7	2.6	34	2	1.5	6.7	3.4	2.3	3.4	2.5
Micronesia (Federated States of)	71	-	58	41	-	2.2	29	-	-0.2	6.9	5.0	3.9	1.7	1.5
Moldova, Republic of	116	65	37	19	2.8	4.2	49	1.8x	-2	2.6	2.4	1.4	0.3	3.3
Monaco	175	-	9	4	-	5.1	56	-	-	-	-	-	-	-
Mongolia	69	-	109	43	-	5.8	61	-	3.3x	7.5	4.1	1.9	3.0	4.8
Montenegro	146	-	16	10	-	2.9	38	-	2.6x	2.4	2.0	1.8	0.9	0.6
Morocco	78	184	89	37	3.6	5.5	58	2	1.6	7.1	4.0	2.4	2.8	3.3
Mozambique	22	278	235	138	0.8	3.3	41	-1x	4.4	6.6	6.2	5.2	0.3	1.1

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	Under-5 mortality rank	Under-5 mortality rate			Average annual rate of reduction (%) ^a		Reduction since 1990 (%) ^b	GDP per capita average annual growth rate (%)		Total fertility rate			Average annual rate of reduction (%)	
		1970	1990	2006	1970-1990	1990-2006		1970-1990	1990-2006	1970	1990	2006	1970-1990	1990-2006
Myanmar	40	179	130	104	1.6	1.4	20	2	6.6x	6.1	3.4	2.1	2.8	3.1
Namibia	61	135	86	61	2.3	2.1	29	-2.3x	1.5	6.5	5.8	3.3	0.5	3.6
Nauru	89	-	-	30	-	-	-	-	-	-	-	-	-	-
Nepal	63	238	142	59	2.6	5.5	58	1	1.9	5.9	5.2	3.4	0.6	2.7
Netherlands	167	15	9	5	2.6	3.7	44	2	1.8	2.4	1.6	1.7	2.2	-0.6
New Zealand	161	20	11	6	3.0	3.8	45	1	2.1	3.1	2.1	2.0	2.0	0.3
Nicaragua	79	165	68	36	4.4	4.0	47	-4	1.9	6.9	4.8	2.8	1.9	3.3
Niger	4	330	320	253	0.2	1.5	21	-2	-0.5	8.1	7.9	7.3	0.1	0.5
Nigeria	12	265	230	191	0.7	1.2	17	-1	0.7	6.9	6.8	5.5	0.1	1.3
Niue	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Norway	175	15	9	4	2.6	5.1	56	3	2.6	2.5	1.9	1.8	1.5	0.1
Occupied Palestinian Territory	108	-	40	22	-	3.7	45	-	-2.8x	7.9	6.4	5.3	1.0	1.3
Oman	138	200	32	12	9.2	6.1	63	3	1.8x	7.2	6.6	3.1	0.4	4.7
Pakistan	42	181	130	97	1.7	1.8	25	3	1.4	6.6	6.3	3.6	0.2	3.5
Palau	143	-	21	11	-	4.0	48	-	-	-	-	-	-	-
Panama	106	68	34	23	3.5	2.4	32	0	2.3	5.3	3.0	2.6	2.8	0.9
Papua New Guinea	52	158	94	73	2.6	1.6	22	-1	0.2	6.2	4.8	4.0	1.2	1.2
Paraguay	108	78	41	22	3.2	3.9	46	3	-0.5	5.7	4.5	3.2	1.2	2.2
Peru	97	174	78	25	4.0	7.1	68	-1	2.3	6.3	3.9	2.5	2.4	2.7
Philippines	86	90	62	32	1.9	4.1	48	1	1.7	6.3	4.3	3.3	1.8	1.7
Poland	157	36	18	7	3.5	5.9	61	-	4.3	2.2	2.0	1.2	0.4	3.2
Portugal	167	62	14	5	7.4	6.4	64	3	1.9	2.8	1.5	1.5	3.0	0.3
Qatar	110	65	26	21	4.6	1.3	19	-	-	6.9	4.4	2.7	2.3	3.0
Romania	119	57	31	18	3.0	3.4	42	0.9x	2	2.9	1.9	1.3	2.0	2.4
Russian Federation	125	40	27	16	2.0	3.3	41	-	0.6	2.0	1.9	1.3	0.3	2.1
Rwanda	18	209	176	160	0.9	0.6	9	1	0.3	8.2	7.6	6.0	0.4	1.5
Saint Kitts and Nevis	116	-	36	19	-	4.0	47	6.3x	2.8	-	-	-	-	-
Saint Lucia	130	-	21	14	-	2.5	33	5.3x	1.1	6.1	3.3	2.2	3.0	2.6
Saint Vincent and the Grenadines	113	-	25	20	-	1.4	20	3	1.7	6.0	3.0	2.2	3.5	1.9
Samoa	94	101	50	28	3.5	3.6	44	-0.1x	2.5	6.1	4.8	4.1	1.2	1.0
San Marino	189	-	14	3	-	9.6	79	-	-	-	-	-	-	-
Sao Tome and Principe	43	106	100	96	0.3	0.3	4	-	0.5x	6.5	5.4	4.0	0.9	1.9
Saudi Arabia	97	185	44	25	7.2	3.5	43	-2	0.1x	7.3	5.8	3.5	1.1	3.3
Senegal	35	276	149	116	3.1	1.6	22	0	1.2	7.0	6.6	4.9	0.3	1.9
Serbia	151	-	-	8	-	-	-	-	-	2.4	2.1	1.8	0.6	1.1
Seychelles	135	59	19	13	5.7	2.4	32	3	1.4	-	-	-	-	-
Sierra Leone	1	368	290	270	1.2	0.4	7	0	-0.8	6.5	6.5	6.5	0.0	0.0
Singapore	189	27	9	3	5.5	6.9	67	6	3.7	3.0	1.8	1.3	2.7	2.0
Slovakia	151	29	14	8	3.6	3.5	43	-	2.9	2.5	2.0	1.2	1.0	3.2
Slovenia	175	29	10	4	5.3	5.7	60	-	3.3	2.3	1.5	1.3	2.0	1.1
Solomon Islands	52	-	121	73	-	3.2	40	3	-2.3	6.9	5.9	4.0	0.8	2.4
Somalia	21	-	203	145	-	2.1	29	-1	-	7.3	6.8	6.2	0.3	0.6
South Africa	55	-	60	69	-	-0.9	-15	0	0.8	5.6	3.6	2.7	2.2	1.8
Spain	175	34	9	4	6.6	5.1	56	2	2.5	2.9	1.3	1.4	3.9	-0.1
Sri Lanka	135	100	32	13	5.7	5.6	59	3	3.8	4.4	2.5	1.9	2.7	1.8
Sudan	45	172	120	89	1.8	1.9	26	0	3.7	6.6	6.0	4.4	0.5	1.9
Suriname	74	-	48	39	-	1.3	19	-2.2x	1.4	5.7	2.7	2.5	3.6	0.6
Swaziland	16	196	110	164	2.9	-2.5	-49	2	0.4	6.9	5.7	3.6	0.9	3.0
Sweden	189	15	7	3	3.8	5.3	57	2	2.2	2.0	2.0	1.8	0.1	0.8
Switzerland	167	18	9	5	3.5	3.7	44	1	0.7	2.0	1.5	1.4	1.4	0.5
Syrian Arab Republic	130	128	38	14	6.1	6.2	63	2	1.4	7.6	5.5	3.2	1.6	3.5
Tajikistan	57	140	115	68	1.0	3.3	41	-	-3.1	6.9	5.2	3.5	1.4	2.5
Tanzania, United Republic of	34	218	161	118	1.5	1.9	27	-	1.6	6.8	6.1	5.3	0.5	0.9
Thailand	151	102	31	8	6.0	8.5	74	5	2.8	5.5	2.1	1.8	4.8	0.8
The former Yugoslav Republic of Macedonia	122	119	38	17	5.7	5.0	55	-	0.2	3.2	1.9	1.5	2.4	1.8
Timor-Leste	65	-	177	55	-	7.3	69	-	-	6.3	5.3	6.7	0.8	-1.4
Togo	38	219	149	108	1.9	2.0	28	-1	-0.1	7.0	6.4	5.0	0.5	1.6
Tonga	101	50	32	24	2.2	1.8	25	-	1.9	5.9	4.6	3.8	1.3	1.2
Trinidad and Tobago	75	54	34	38	2.3	-0.7	-12	1	4.7	3.5	2.4	1.6	1.8	2.6

	Under-5 mortality rank	Under-5 mortality rate			Average annual rate of reduction (%) [Ⓞ]		Reduction since 1990 (%) [Ⓟ]	GDP per capita average annual growth rate (%)		Total fertility rate			Average annual rate of reduction (%)	
		1970	1990	2006	1970-1990	1990-2006		1970-1990	1990-2006	1970	1990	2006	1970-1990	1990-2006
Tunisia	106	201	52	23	6.8	5.1	56	3	3.3	6.6	3.6	1.9	3.0	3.9
Turkey	96	201	82	26	4.5	7.2	68	2	1.9	5.5	3.0	2.2	3.0	2.2
Turkmenistan	67	-	99	51	-	4.1	48	-	-6.8x	6.3	4.3	2.6	1.9	3.3
Tuvalu	75	-	54	38	-	2.2	30	-	-	-	-	-	-	-
Uganda	23	170	160	134	0.3	1.1	16	-	3.1	7.1	7.1	6.6	0.0	0.5
Ukraine	101	36	25	24	1.8	0.3	4	-	-1.5	2.1	1.9	1.2	0.6	2.8
United Arab Emirates	151	84	15	8	8.6	3.9	47	-4.8x	-0.9x	6.6	4.4	2.3	2.1	3.9
United Kingdom	161	23	10	6	4.2	3.2	40	2	2.5	2.3	1.8	1.8	1.2	0.1
United States	151	26	12	8	3.9	2.5	33	2	2.1	2.2	2.0	2.1	0.6	-0.2
Uruguay	138	56	23	12	4.4	4.1	48	1	1.2	2.9	2.5	2.1	0.7	1.0
Uzbekistan	69	-	74	43	-	3.4	42	-	0.7	6.5	4.2	2.6	2.2	3.1
Vanuatu	79	155	62	36	4.6	3.4	42	-0.5x	-0.3	6.3	4.9	3.9	1.2	1.5
Venezuela (Bolivarian Republic of)	110	62	33	21	3.2	2.8	36	-2	-0.6	5.4	3.4	2.6	2.2	1.8
Viet Nam	122	87	53	17	2.5	7.1	68	-	6	7.0	3.7	2.2	3.2	3.2
Yemen	41	303	139	100	3.9	2.1	28	-	1.5	8.6	8.1	5.6	0.3	2.3
Zambia	13	181	180	182	0.0	-0.1	-1	-2	0	7.4	6.5	5.3	0.7	1.2
Zimbabwe	39	135	76	105	2.9	-2.0	-38	0	-2.4	7.4	5.2	3.3	1.8	2.9

SUMMARY INDICATORS

Sub-Saharan Africa	243	187	160	1.3	1.0	14	-	1.1	6.8	6.3	5.3	0.4	1.1
Eastern and Southern Africa	220	165	131	1.4	1.4	21	-	1.2	6.8	6.0	5.0	0.6	1.1
West and Central Africa	264	208	186	1.2	0.7	11	-	1	6.8	6.6	5.6	0.1	1.1
Middle East and North Africa	195	79	46	4.5	3.4	42	0	2.2	6.8	5.0	3.1	1.5	3.1
South Asia	199	123	83	2.4	2.5	33	2	3.9	5.7	4.3	3.0	1.4	2.2
East Asia and Pacific	121	55	29	3.9	4.0	47	6	6.7	5.6	2.5	1.9	4.1	1.7
Latin America and Caribbean	123	55	27	4.0	4.4	51	1	1.4	5.3	3.2	2.4	2.5	1.8
CEE/CIS	91	53	27	2.7	4.2	49	-	1.1	2.8	2.3	1.7	0.9	2.1
Industrialized countries [Ⓢ]	27	10	6	5.0	3.2	40	2	1.9	2.3	1.7	1.7	1.3	0.2
Developing countries [Ⓢ]	164	103	79	2.3	1.7	23	3	4.1	5.8	3.6	2.8	2.3	1.6
Least developed countries [Ⓢ]	244	180	142	1.5	1.5	21	-	2.3	6.7	5.8	4.7	0.7	1.3
World	145	93	72	2.2	1.6	23	2	2.3	4.7	3.2	2.6	1.9	1.4

Ⓢ Also includes territories within each country category or regional group. Countries and territories in each country category or regional group are listed on page 148.

DEFINITIONS OF THE INDICATORS

Under-five mortality rate – Probability of dying between birth and exactly five years of age, expressed per 1,000 live births.

Reduction since 1990 (%) – Percentage reduction in the under-five mortality rate (U5MR) from 1990 to 2006. The United Nations Millennium Declaration in 2000 established a goal of a two-thirds (67 per cent) reduction in U5MR from 1990 to 2015. This indicator provides a current assessment of progress towards this goal.

GDP per capita – Gross domestic product (GDP) is the sum of value added by all resident producers plus any product taxes (less subsidies) not included in the valuation of output. GDP per capita is gross domestic product divided by midyear population. Growth is calculated from constant price GDP data in local currency.

Total fertility rate – Number of children who would be born per woman if she lived to the end of her childbearing years and bore children at each age in accordance with prevailing age-specific fertility rates.

MAIN DATA SOURCES

Under-five mortality rate – UNICEF, United Nations Population Division and United Nations Statistics Division.

GDP per capita – World Bank.

Fertility – United Nations Population Division.

NOTES - Data not available.

x Data refer to years or periods other than those specified in the column heading, differ from the standard definition or refer to only part of a country. Such data are not included in the calculation of regional and global averages.

Ⓞ A negative value indicates an increase in the under-five mortality rate since 1990.