

# COUNTRY, REGIONAL AND GLOBAL ESTIMATES ON WATER & SANITATION

Countries, areas and territories	Year	Population			Improved Drinking Water Coverage						Improved Sanitation Coverage		
		Total (thousands)	Urban %	Rural %	Total		Urban		Rural		Total %	Urban %	Rural %
					Total %	Household Connection %	Total %	Household Connection %	Total %	Household Connection %			
Afghanistan	1990	13,799	18	82	-	-	-	-	-	0	-	-	5
	2002	22,930	23	77	13	2	19	8	11	0	8	16	5
Albania	1990	3,289	36	64	97	-	99	96	95	-	-	99	-
	2002	3,141	43	57	97	68	99	96	95	46	89	99	81
Algeria	1990	25,017	51	49	95	62	99	83	92	39	88	99	76
	2002	31,266	58	42	87	76	92	87	80	60	92	99	82
American Samoa	1990	47	81	19	-	-	-	-	-	-	-	-	-
	2002	60	90	10	-	-	-	-	-	-	-	-	-
Andorra	1990	53	94	6	100	-	100	100	100	-	100	100	100
	2002	69	92	8	100	-	100	100	100	-	100	100	100
Angola	1990	9,340	26	74	32	1	11	1	40	0	30	62	19
	2002	13,184	35	65	50	5	70	13	40	1	30	56	16
Anguilla	1990	9	100	0	-	-	-	-	-	-	99	99	99
	2002	12	100	0	60	45	60	45	60	45	99	99	99
Antigua and Barbuda	1990	63	35	65	-	-	95	-	-	-	-	98	-
	2002	73	37	63	91	83	95	90	89	79	95	98	94
Argentina	1990	32,527	87	13	94	69	97	76	73	23	82	87	47
	2002	37,981	90	10	-	-	97	-	-	-	-	-	-
Armenia	1990	3,545	67	33	-	-	99	97	-	-	-	96	-
	2002	3,072	65	35	92	85	99	97	80	64	84	96	61
Aruba	1990	66	50	50	100	100	100	100	100	100	-	-	-
	2002	98	46	54	100	100	100	100	100	100	-	-	-
Australia	1990	16,888	85	15	100	-	100	-	100	-	100	100	100
	2002	19,544	92	8	100	-	100	-	100	-	100	100	100
Austria	1990	7,729	66	34	100	100	100	100	100	100	100	100	100
	2002	8,111	66	34	100	100	100	100	100	100	100	100	100
Azerbaijan	1990	7,192	54	46	66	41	80	63	49	16	-	-	-
	2002	8,297	50	50	77	47	95	76	59	19	55	73	36
Bahamas	1990	255	84	16	-	-	98	-	-	-	100	100	100
	2002	310	89	11	97	70	98	69	86	80	100	100	100
Bahrain	1990	490	88	12	-	-	100	100	-	-	-	100	-
	2002	709	90	10	-	-	100	100	-	-	-	100	-
Bangladesh*	1990	109,402	20	80	71	6	83	28	68	0	23	71	11
	2002	143,809	24	76	75	6	82	26	72	0	48	75	39
Barbados	1990	257	45	55	100	-	100	98	100	-	100	99	100
	2002	269	51	49	100	-	100	100	100	-	99	99	100
Belarus	1990	10,266	66	34	100	-	100	-	100	-	-	-	-
	2002	9,940	71	29	100	61	100	78	100	22	-	-	-
Belgium	1990	9,967	96	4	-	100	100	100	-	90	-	-	-
	2002	10,296	97	3	-	-	100	100	-	-	-	-	-
Belize	1990	186	48	52	-	-	100	92	-	-	-	-	-
	2002	251	48	52	91	80	100	99	82	63	47	71	25
Benin	1990	4,650	34	66	60	6	71	17	54	1	11	31	1
	2002	6,558	44	56	68	12	79	26	60	1	32	58	12
Bermuda	1990	74	100	0	-	-	-	-	-	-	-	-	-
	2002	81	100	0	-	-	-	-	-	-	-	-	-
Bhutan	1990	1,696	5	95	-	-	-	-	-	-	-	-	-
	2002	2,190	8	92	62	-	86	81	60	-	70	65	70
Bolivia	1990	6,669	56	44	72	53	91	76	48	23	33	49	13
	2002	8,645	63	37	85	75	95	92	68	47	45	58	23

\*The figures for Bangladesh have been adjusted for arsenic contamination levels on the basis of national surveys conducted and approved by the Government.

Countries, areas and territories	Year	Population			Improved Drinking Water Coverage						Improved Sanitation Coverage		
		Total (thousands)	Urban %	Rural %	Total		Urban		Rural		Total %	Urban %	Rural %
					Total %	Household Connection %	Total %	Household Connection %	Total %	Household Connection %			
Bosnia and Herzegovina	1990	4,308	39	61	98	-	100	98	96	-	-	99	-
	2002	4,126	44	56	98	82	100	98	96	69	93	99	88
Botswana	1990	1,354	42	58	93	25	100	40	88	13	38	61	21
	2002	1,770	51	49	95	46	100	62	90	28	41	57	25
Brazil	1990	148,809	75	25	83	74	93	90	55	28	70	82	37
	2002	176,257	82	18	89	78	96	91	58	17	75	83	35
British Virgin Islands	1990	17	50	50	98	97	98	97	98	97	100	100	100
	2002	21	63	37	98	97	98	97	98	97	100	100	100
Brunei Darussalam	1990	257	66	34	-	-	-	-	-	-	-	-	-
	2002	350	75	25	-	-	-	-	-	-	-	-	-
Bulgaria	1990	8,718	66	34	100	98	100	100	100	94	100	100	100
	2002	7,965	69	31	100	-	100	100	100	-	100	100	100
Burkina Faso	1990	8,921	14	86	39	4	63	25	35	1	13	47	8
	2002	12,624	17	83	51	4	82	23	44	0	12	45	5
Burundi	1990	5,609	6	94	69	3	96	31	67	1	44	42	44
	2002	6,602	10	90	79	4	90	41	78	1	36	47	35
Cambodia	1990	9,744	13	87	-	-	-	-	-	1	-	-	-
	2002	13,810	18	82	34	6	58	31	29	1	16	53	8
Cameroon	1990	11,661	40	60	50	11	77	25	32	2	21	43	7
	2002	15,729	51	49	63	15	84	28	41	2	48	63	33
Canada	1990	27,701	77	23	100	-	100	100	99	-	100	100	99
	2002	31,271	80	20	100	88	100	100	99	38	100	100	99
Cape Verde	1990	349	44	56	-	-	-	-	-	4	-	-	-
	2002	454	55	45	80	24	86	41	73	4	42	61	19
Cayman Islands	1990	26	100	0	-	-	-	-	-	-	-	-	-
	2002	39	100	0	-	-	-	-	-	-	-	-	-
Central African Republic	1990	2,943	37	63	48	1	70	2	35	0	23	32	18
	2002	3,819	42	58	75	4	93	9	61	0	27	47	12
Chad	1990	5,822	21	79	20	1	45	6	13	0	6	27	1
	2002	8,348	25	75	34	5	40	19	32	0	8	30	0
Channel Islands	1990	142	31	69	-	-	-	-	-	-	-	-	-
	2002	145	30	70	-	-	-	-	-	-	-	-	-
Chile	1990	13,100	83	17	90	86	98	98	49	25	85	91	52
	2002	15,613	87	13	95	92	100	99	59	40	92	96	64
China	1990	1,155,305	27	73	70	49	100	80	59	37	23	64	7
	2002	1,294,867	38	62	77	59	92	91	68	40	44	69	29
China, Hong Kong (SAR)	1990	5,704	100	0	-	-	-	-	-	-	-	-	-
	2002	6,981	100	0	-	-	-	-	-	-	-	-	-
China, Macao (SAR)	1990	372	99	1	-	-	-	-	-	-	-	-	-
	2002	460	99	1	-	-	-	-	-	-	-	-	-
Colombia	1990	34,970	69	31	92	78	98	94	78	41	82	95	52
	2002	43,526	76	24	92	85	99	96	71	51	86	96	54
Comoros	1990	527	28	72	89	18	99	32	85	12	23	41	16
	2002	747	34	66	94	25	90	47	96	14	23	38	15
Congo	1990	2,494	48	52	-	-	-	-	-	5	-	-	2
	2002	3,633	53	47	46	33	72	58	17	5	9	14	2
Congo, Democratic Republic of the	1990	37,370	28	72	43	25	92	89	24	0	18	56	3
	2002	51,201	31	69	46	10	83	32	29	1	29	43	23
Cook Islands	1990	18	58	42	94	-	99	-	87	-	95	100	88
	2002	18	69	31	95	-	98	-	88	-	100	100	100
Costa Rica	1990	3,076	54	46	-	-	100	99	-	-	-	-	97
	2002	4,094	60	40	97	92	100	99	92	81	92	89	97
Côte d'Ivoire	1990	12,505	40	60	69	24	74	52	66	5	31	52	16
	2002	16,365	44	56	84	33	98	65	74	9	40	61	23
Croatia	1990	4,842	54	46	-	-	-	-	-	-	-	-	-
	2002	4,439	59	41	-	-	-	-	-	-	-	-	-
Cuba	1990	10,628	74	26	-	65	95	77	-	31	98	99	95
	2002	11,271	75	25	91	74	95	82	78	49	98	99	95
Cyprus	1990	681	65	35	100	100	100	100	100	100	100	100	100
	2002	796	69	31	100	100	100	100	100	100	100	100	100

Countries, areas and territories	Year	Population			Improved Drinking Water Coverage						Improved Sanitation Coverage		
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					Total %	Household Connection %	Total %	Household Connection %	Total %	Household Connection %			
Czech Republic	1990	10,306	75	25	-	-	-	-	-	-	-	-	-
	2002	10,246	74	26	-	-	-	-	-	-	-	-	-
Denmark	1990	5,140	85	15	100	100	100	100	100	100	-	-	-
	2002	5,351	85	15	100	100	100	100	100	100	-	-	-
Djibouti	1990	528	75	25	78	32	82	40	67	11	48	55	27
	2002	693	83	17	80	35	82	40	67	11	50	55	27
Dominica	1990	72	68	32	-	-	100	98	-	-	-	-	-
	2002	78	72	28	97	87	100	98	90	58	83	86	75
Dominican Republic	1990	7,058	55	45	86	54	97	70	72	35	48	60	33
	2002	8,616	59	41	93	35	98	37	85	31	57	67	43
Ecuador	1990	10,264	55	45	69	55	81	74	54	32	56	73	36
	2002	12,810	61	39	86	59	92	77	77	32	72	80	59
Egypt	1990	55,768	43	57	94	61	97	89	92	40	54	70	42
	2002	70,507	42	58	98	80	100	98	97	67	68	84	56
El Salvador	1990	5,110	49	51	67	45	88	74	47	16	51	70	33
	2002	6,415	59	41	82	60	91	78	68	34	63	78	40
Equatorial Guinea	1990	354	35	65	-	4	-	12	-	0	-	-	-
	2002	481	47	53	44	8	45	17	42	0	53	60	46
Eritrea	1990	3,103	16	84	40	6	60	40	36	0	8	46	0
	2002	3,991	20	80	57	8	72	42	54	0	9	34	3
Estonia	1990	1,584	71	29	-	-	-	96	-	-	-	-	-
	2002	1,338	69	31	-	87	-	96	-	67	-	93	-
Ethiopia	1990	48,856	13	87	25	1	80	4	16	0	4	14	2
	2002	68,961	15	85	22	4	81	23	11	0	6	19	4
Faroe Islands	1990	48	33	67	-	-	-	-	-	-	-	-	-
	2002	47	38	62	-	-	-	-	-	-	-	-	-
Falkland Islands (Malvinas)	1990	2	68	32	-	-	-	-	-	-	-	-	-
	2002	3	81	19	-	-	-	-	-	-	-	-	-
Fiji	1990	724	42	58	-	-	-	-	-	-	98	99	98
	2002	831	51	49	-	-	-	-	-	-	98	99	98
Finland	1990	4,986	61	39	100	92	100	96	100	85	100	100	100
	2002	5,197	61	39	100	97	100	100	100	93	100	100	100
France	1990	56,735	74	26	-	99	100	100	-	95	-	-	-
	2002	59,850	76	24	-	99	100	100	-	95	-	-	-
French Guiana	1990	116	75	25	-	-	-	-	-	-	-	-	-
	2002	174	75	25	84	79	88	83	71	65	78	85	57
French Polynesia	1990	195	56	44	100	98	100	99	100	96	98	99	97
	2002	241	52	48	100	98	100	99	100	96	98	99	97
Gabon	1990	953	68	32	-	-	95	-	-	-	-	-	-
	2002	1,306	83	17	87	45	95	52	47	8	36	37	30
Gambia	1990	936	25	75	-	-	95	-	-	3	-	-	-
	2002	1,388	26	74	82	12	95	39	77	3	53	72	46
Georgia	1990	5,460	55	45	-	-	-	-	-	-	-	96	-
	2002	5,177	52	48	76	58	90	83	61	30	83	96	69
Germany	1990	79,433	85	15	100	100	100	100	100	97	-	-	-
	2002	82,414	88	12	100	100	100	100	100	97	-	-	-
Ghana	1990	15,277	36	64	54	14	85	35	36	2	43	54	37
	2002	20,471	45	55	79	24	93	50	68	3	58	74	46
Greece	1990	10,160	59	41	-	84	-	91	-	73	-	-	-
	2002	10,970	61	39	-	-	-	-	-	-	-	-	-
Grenada	1990	85	32	68	-	-	97	-	-	-	97	96	97
	2002	80	40	60	95	82	97	93	93	75	97	96	97
Guadeloupe	1990	391	98	2	-	-	98	98	-	-	-	-	-
	2002	436	100	0	98	98	98	98	93	75	64	64	61
Guam	1990	134	91	9	100	-	100	-	100	-	99	99	98
	2002	160	94	6	100	-	100	-	100	-	99	99	98
Guatemala	1990	8,749	41	59	77	48	88	67	69	34	50	71	35
	2002	12,036	46	54	95	55	99	58	92	53	61	72	52
Guinea	1990	6,122	25	75	42	10	70	37	32	2	17	27	13
	2002	8,359	34	66	51	8	78	23	38	1	13	25	6

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					Total %	Household Connection %	Total %	Household Connection %	Total %	Household Connection %			
Guinea-Bissau	1990	1,016	24	76	-	-	-	-	-	0	-	-	-
	2002	1,449	33	67	59	5	79	15	49	0	34	57	23
Guyana	1990	731	33	67	-	-	-	-	-	-	-	-	-
	2002	764	37	63	83	53	83	66	83	45	70	86	60
Haiti	1990	6,914	29	71	53	10	77	27	43	2	15	27	11
	2002	8,218	37	63	71	11	91	24	59	3	34	52	23
Honduras	1990	4,868	40	60	83	59	89	82	78	43	49	77	31
	2002	6,781	45	55	90	72	99	92	82	55	68	89	52
Hungary	1990	10,365	62	38	99	85	100	92	98	74	-	100	-
	2002	9,923	65	35	99	84	100	93	98	67	95	100	85
Iceland	1990	255	91	9	100	100	100	100	100	100	-	-	-
	2002	287	93	7	100	100	100	100	100	100	-	-	-
India	1990	846,418	26	74	68	17	88	51	61	5	12	43	1
	2002	1,049,549	28	72	86	24	96	51	82	13	30	58	18
Indonesia	1990	182,117	31	69	71	10	92	26	62	3	46	66	38
	2002	217,131	44	56	78	17	89	31	69	5	52	71	38
Iran (Islamic Republic of)	1990	56,703	56	44	91	84	98	96	83	69	83	86	78
	2002	68,070	66	34	93	87	98	96	83	69	84	86	78
Iraq	1990	17,341	70	30	83	76	97	94	50	33	81	95	48
	2002	24,510	67	33	81	74	97	94	50	33	80	95	48
Ireland	1990	3,515	57	43	-	91	100	99	-	81	-	-	-
	2002	3,911	60	40	-	-	100	99	-	-	-	-	-
Isle of Man	1990	69	52	48	-	-	-	-	-	-	-	-	-
	2002	74	52	48	-	-	-	-	-	-	-	-	-
Israel	1990	4,514	90	10	100	100	100	100	100	98	-	100	-
	2002	6,304	92	8	100	100	100	100	100	98	-	100	-
Italy	1990	56,719	67	33	-	99	100	100	-	96	-	-	-
	2002	57,482	67	33	-	99	100	100	-	96	-	-	-
Jamaica	1990	2,369	51	49	92	60	97	87	86	32	75	85	64
	2002	2,627	52	48	93	70	98	93	87	45	80	90	68
Japan	1990	123,537	63	37	100	95	100	98	100	91	100	100	100
	2002	127,478	65	35	100	96	100	98	100	91	100	100	100
Jordan	1990	3,254	72	28	98	95	100	99	91	87	-	97	-
	2002	5,329	79	21	91	87	91	89	91	81	93	94	85
Kazakhstan	1990	16,809	57	43	86	62	96	88	72	27	72	87	52
	2002	15,469	56	44	86	61	96	88	72	27	72	87	52
Kenya	1990	23,585	25	75	45	22	91	58	30	11	42	49	40
	2002	31,540	38	62	62	29	89	56	46	12	48	56	43
Kiribati	1990	72	35	65	48	24	76	46	33	13	25	33	21
	2002	87	46	54	64	34	77	49	53	22	39	59	22
Korea, Democratic People's Republic of	1990	19,956	58	42	100	-	100	-	100	-	-	-	-
	2002	22,541	61	39	100	77	100	81	100	71	59	58	60
Korea, Republic of	1990	42,869	74	26	-	-	97	96	-	-	-	-	-
	2002	47,430	80	20	92	84	97	96	71	39	-	-	-
Kuwait	1990	2,143	95	5	-	-	-	-	-	-	-	-	-
	2002	2,443	96	4	-	-	-	-	-	-	-	-	-
Kyrgyzstan	1990	4,395	38	62	-	-	98	-	-	-	-	-	-
	2002	5,067	34	66	76	48	98	87	66	28	60	75	51
Lao People's Democratic Republic	1990	4,132	15	85	-	-	-	-	-	4	-	-	-
	2002	5,529	20	80	43	8	66	25	38	4	24	61	14
Latvia	1990	2,713	70	30	-	-	-	-	-	-	-	-	-
	2002	2,329	66	34	-	-	-	93	-	-	-	-	-
Lebanon	1990	2,712	83	17	100	-	100	100	100	-	-	100	-
	2002	3,596	87	13	100	98	100	100	100	85	98	100	87
Lesotho	1990	1,570	17	83	-	7	-	31	-	2	37	61	32
	2002	1,800	18	82	76	7	88	31	74	2	37	61	32
Liberia	1990	2,135	42	58	56	11	85	21	34	3	38	59	24
	2002	3,239	46	54	62	1	72	1	52	0	26	49	7
Libyan Arab Jamahiriya	1990	4,306	80	20	71	54	72	54	68	55	97	97	96
	2002	5,445	86	14	72	54	72	54	68	55	97	97	96

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					Total %	Household Connection %	Total %	Household Connection %	Total %	Household Connection %			
Liechtenstein	1990	29	21	79	-	-	-	-	-	-	-	-	-
	2002	33	22	78	-	-	-	-	-	-	-	-	-
Lithuania	1990	3,739	68	32	-	-	-	-	-	-	-	-	-
	2002	3,465	67	33	-	-	-	-	-	-	-	-	-
Luxembourg	1990	378	86	14	100	100	100	100	100	98	-	-	-
	2002	447	92	8	100	100	100	100	100	98	-	-	-
Madagascar	1990	11,956	24	76	40	8	82	30	27	1	12	25	8
	2002	16,916	26	74	45	5	75	14	34	1	33	49	27
Malawi	1990	9,456	12	88	41	6	90	33	34	2	36	52	34
	2002	11,871	16	84	67	9	96	45	62	2	46	66	42
Malaysia	1990	17,845	50	50	-	-	96	-	-	-	96	94	98
	2002	23,965	63	37	95	-	96	-	94	64	-	-	98
Maldives	1990	216	26	74	99	20	100	78	99	0	-	100	-
	2002	309	28	72	84	22	99	76	78	0	58	100	42
Mali	1990	9,046	24	76	34	2	50	8	29	0	36	50	32
	2002	12,623	32	68	48	10	76	27	35	1	45	59	38
Malta	1990	360	88	12	100	100	100	100	100	96	-	100	-
	2002	393	91	9	100	100	100	100	100	96	-	100	-
Marshall Islands	1990	44	65	35	96	-	95	-	97	-	75	88	51
	2002	52	66	34	85	-	80	-	95	-	82	93	59
Martinique	1990	360	90	10	-	-	-	-	-	-	-	-	-
	2002	390	96	4	-	-	-	-	-	-	-	-	-
Mauritania	1990	2,030	44	56	41	9	19	18	57	3	28	31	26
	2002	2,807	60	40	56	22	63	29	45	11	42	64	9
Mauritius	1990	1,057	40	60	100	-	100	98	100	-	99	100	99
	2002	1,210	43	57	100	78	100	74	100	82	99	100	99
Mayotte	1990	0	-	-	-	-	-	-	-	-	-	-	-
	2002	0	-	-	-	-	-	-	-	-	-	-	-
Mexico	1990	83,225	72	28	80	78	90	89	54	50	66	84	20
	2002	101,965	75	25	91	89	97	96	72	71	77	90	39
Micronesia (Federated States of)	1990	96	26	74	87	-	93	-	85	-	30	53	21
	2002	108	29	71	94	-	95	-	94	-	28	61	14
Moldova, Republic of	1990	4,364	47	53	-	-	97	-	-	-	-	-	-
	2002	4,270	46	54	92	41	97	78	88	9	68	86	52
Monaco	1990	30	100	0	-	-	100	100	-	-	-	100	-
	2002	34	100	0	-	-	100	100	-	-	-	100	-
Mongolia	1990	2,216	57	43	62	28	87	49	30	1	-	-	-
	2002	2,559	57	43	62	28	87	49	30	1	59	75	37
Montserrat	1990	11	12	88	100	-	100	98	100	-	96	96	96
	2002	3	13	87	100	-	100	98	100	-	96	96	96
Morocco	1990	24,564	48	52	75	41	94	75	58	9	57	87	28
	2002	30,072	57	43	80	57	99	92	56	12	61	83	31
Mozambique	1990	13,465	21	79	-	-	-	-	-	2	-	-	14
	2002	18,537	34	66	42	11	76	28	24	2	27	51	14
Myanmar	1990	40,506	25	75	48	3	73	11	40	1	21	39	15
	2002	48,852	29	71	80	8	95	23	74	2	73	96	63
Namibia	1990	1,409	27	73	58	31	99	83	43	12	24	68	8
	2002	1,961	32	68	80	39	98	76	72	21	30	66	14
Nauru	1990	9	100	0	-	-	-	-	-	-	-	-	-
	2002	13	100	0	-	-	-	-	-	-	-	-	-
Nepal	1990	18,625	9	91	69	6	94	42	67	3	12	62	7
	2002	24,609	15	85	84	14	93	48	82	8	27	68	20
Netherlands	1990	14,952	60	40	100	98	100	100	99	95	100	100	100
	2002	16,067	65	35	100	98	100	100	99	95	100	100	100
Netherlands Antilles	1990	188	68	32	-	-	-	-	-	-	-	-	-
	2002	219	70	30	-	-	-	-	-	-	-	-	-
New Caledonia	1990	171	60	40	-	-	-	-	-	-	-	-	-
	2002	224	61	39	-	-	-	-	-	-	-	-	-
New Zealand	1990	3,360	85	15	97	-	100	100	82	-	-	-	88
	2002	3,846	86	14	-	-	100	100	-	-	-	-	-

Countries, areas and territories	Year	Population			Improved Drinking Water Coverage						Improved Sanitation Coverage		
		Total (thousands)	Urban %	Rural %	Total		Urban		Rural		Total %	Urban %	Rural %
					Total %	Household Connection %	Total %	Household Connection %	Total %	Household Connection %			
Nicaragua	1990	3,824	53	47	69	54	92	89	42	15	47	64	27
	2002	5,335	57	43	81	62	93	86	65	31	66	78	51
Niger	1990	7,650	16	84	40	3	62	19	35	0	7	35	2
	2002	11,544	22	78	46	8	80	35	36	0	12	43	4
Nigeria	1990	86,018	35	65	49	13	78	31	33	3	39	50	33
	2002	120,911	46	54	60	11	72	20	49	3	38	48	30
Niue	1990	2	31	69	100	-	100	100	100	-	100	100	100
	2002	2	35	65	100	87	100	100	100	80	100	100	100
Northern Mariana Islands	1990	44	89	11	98	-	98	93	100	-	84	85	78
	2002	76	94	6	98	-	98	-	97	35	94	94	96
Norway	1990	4,241	72	28	100	100	100	100	100	100	-	-	-
	2002	4,514	78	22	100	100	100	100	100	100	-	-	-
Occupied Palestinian Territory	1990	2,154	66	34	-	-	97	-	-	-	-	-	-
	2002	3,433	71	29	94	83	97	91	86	63	76	78	70
Oman	1990	1,845	62	38	77	21	81	30	72	7	83	97	61
	2002	2,768	77	23	79	25	81	30	72	7	89	97	61
Pakistan	1990	110,901	31	69	83	28	95	61	78	13	38	81	19
	2002	149,911	34	66	90	23	95	50	87	9	54	92	35
Palau	1990	15	70	30	80	-	71	-	99	-	66	72	54
	2002	20	69	31	84	-	79	-	94	10	83	96	52
Panama	1990	2,411	54	46	-	-	99	96	-	-	-	-	-
	2002	3,064	57	43	91	85	99	96	79	72	72	89	51
Papua New Guinea	1990	4,114	13	87	39	11	88	61	32	4	45	67	41
	2002	5,586	13	87	39	11	88	61	32	4	45	67	41
Paraguay	1990	4,219	49	51	62	30	80	59	46	2	58	71	46
	2002	5,740	57	43	83	54	100	82	62	18	78	94	58
Peru	1990	21,753	69	31	74	56	88	74	42	16	52	68	15
	2002	26,767	74	26	81	72	87	84	66	40	62	72	33
Philippines	1990	61,104	49	51	87	21	93	37	82	6	54	63	46
	2002	78,580	60	40	85	44	90	60	77	22	73	81	61
Poland	1990	38,111	61	39	-	78	100	93	-	56	-	-	-
	2002	38,622	62	38	-	95	100	99	-	89	-	-	-
Portugal	1990	9,899	47	53	-	72	-	97	-	50	-	-	-
	2002	10,049	54	46	-	-	-	97	-	-	-	-	-
Puerto Rico	1990	3,528	72	28	-	-	-	-	-	-	-	-	-
	2002	3,859	96	4	-	-	-	-	-	-	-	-	-
Qatar	1990	467	89	11	100	-	100	100	100	-	100	100	100
	2002	601	92	8	100	-	100	100	100	-	100	100	100
Réunion	1990	604	81	19	-	-	-	-	-	-	-	-	-
	2002	745	91	9	-	-	-	-	-	-	-	-	-
Romania	1990	23,207	53	47	-	-	-	-	-	-	-	-	-
	2002	22,387	55	45	57	49	91	79	16	13	51	86	10
Russian Federation	1990	148,292	73	27	94	77	97	87	86	49	87	93	70
	2002	144,082	73	27	96	81	99	92	88	52	87	93	70
Rwanda	1990	6,775	5	95	58	1	88	24	57	0	37	49	36
	2002	8,272	16	84	73	6	92	34	69	1	41	56	38
Saint Kitts and Nevis	1990	41	35	65	99	-	99	-	99	-	96	96	96
	2002	42	32	68	99	72	99	72	99	72	96	96	96
Saint Lucia	1990	131	27	73	98	-	98	-	98	-	-	-	-
	2002	148	30	70	98	75	98	75	98	75	89	89	89
Saint Vincent and the Grenadines	1990	110	41	59	-	-	-	-	-	-	-	-	96
	2002	119	57	43	-	-	-	-	93	73	-	-	96
Samoa	1990	160	21	79	91	-	99	-	89	-	98	100	98
	2002	176	22	78	88	57	91	74	88	52	100	100	100
San Marino	1990	23	90	10	-	-	-	-	-	-	-	-	-
	2002	27	89	11	-	-	-	-	-	-	-	-	-
Sao Tome and Principe	1990	116	37	63	-	-	-	-	-	-	-	-	-
	2002	157	38	62	79	25	89	34	73	19	24	32	20
Saudi Arabia	1990	16,554	78	22	90	89	97	97	63	60	-	100	-
	2002	23,520	87	13	-	-	97	97	-	-	-	100	-

Countries, areas and territories	Year	Population			Improved Drinking Water Coverage						Improved Sanitation Coverage		
		Total (thousands)	Urban %	Rural %	Total		Urban		Rural		Total %	Urban %	Rural %
					Total %	Household Connection %	Total %	Household Connection %	Total %	Household Connection %			
Senegal	1990	7,345	40	60	66	22	90	50	50	4	35	52	23
	2002	9,855	49	51	72	40	90	71	54	11	52	70	34
Serbia and Montenegro	1990	10,156	51	49	93	82	99	98	86	64	87	97	77
	2002	10,535	52	48	93	82	99	98	86	64	87	97	77
Seychelles	1990	71	50	50	-	-	100	100	-	-	-	-	100
	2002	80	50	50	87	87	100	100	75	75	-	-	100
Sierra Leone	1990	4,054	30	70	-	-	-	-	-	1	-	-	-
	2002	4,764	38	62	57	12	75	30	46	1	39	53	30
Singapore	1990	3,016	100	0	-	-	100	100	-	-	-	100	-
	2002	4,183	100	0	-	-	100	100	-	-	-	100	-
Slovakia	1990	5,256	56	44	100	-	100	-	100	-	100	100	100
	2002	5,398	57	43	100	-	100	80	100	-	100	100	100
Slovenia	1990	1,918	51	49	-	-	-	-	-	-	-	-	-
	2002	1,986	51	49	-	-	-	-	-	-	-	-	-
Solomon Islands	1990	319	14	86	-	11	-	76	-	1	-	98	-
	2002	463	16	84	70	13	94	76	65	1	31	98	18
Somalia	1990	7,163	29	71	-	1	-	3	-	0	-	-	-
	2002	9,480	34	66	29	1	32	3	27	0	25	47	14
South Africa	1990	36,848	49	51	83	58	99	94	67	23	63	85	42
	2002	44,759	56	44	87	60	98	82	73	31	67	86	44
Spain	1990	39,303	75	25	-	80	-	90	-	50	-	-	-
	2002	40,977	76	24	-	-	-	-	-	-	-	-	-
Sri Lanka	1990	16,830	21	79	68	11	91	37	62	4	70	89	64
	2002	18,910	21	79	78	10	99	35	72	4	91	98	89
Sudan	1990	24,927	27	73	64	34	85	75	57	19	33	53	26
	2002	32,878	38	62	69	26	78	46	64	13	34	50	24
Suriname	1990	402	65	35	-	-	98	-	-	-	-	99	-
	2002	432	75	25	92	80	98	91	73	48	93	99	76
Swaziland	1990	847	23	77	-	-	-	-	-	-	-	-	-
	2002	1,069	23	77	52	26	87	67	42	13	52	78	44
Sweden	1990	8,559	83	17	100	100	100	100	100	100	100	100	100
	2002	8,867	83	17	100	100	100	100	100	100	100	100	100
Switzerland	1990	6,834	68	32	100	100	100	100	100	99	100	100	100
	2002	7,171	68	32	100	100	100	100	100	99	100	100	100
Syrian Arab Republic	1990	12,717	49	51	79	-	94	-	64	-	76	97	56
	2002	17,381	50	50	79	-	94	-	64	-	77	97	56
Tajikistan	1990	5,303	32	68	-	-	-	-	-	-	-	-	-
	2002	6,195	25	75	58	40	93	82	47	26	53	71	47
Tanzania, United Republic of	1990	26,068	22	78	38	10	79	30	27	4	47	51	45
	2002	36,276	34	66	73	16	92	44	62	2	46	54	41
Thailand	1990	54,389	29	71	81	28	87	69	78	11	80	95	74
	2002	62,193	32	68	85	34	95	80	80	12	99	97	100
The former Yugoslav Republic of Macedonia	1990	1,909	58	42	-	-	-	-	-	-	-	-	-
	2002	2,046	59	41	-	-	-	-	-	-	-	-	-
Timor-Leste	1990	740	8	92	-	-	-	-	-	-	-	-	-
	2002	739	8	92	52	9	73	26	51	8	33	65	30
Togo	1990	3,455	29	71	49	4	81	14	37	0	37	71	24
	2002	4,801	35	65	51	4	80	12	36	0	34	71	15
Tokelau	1990	2	0	100	-	-	-	-	96	0	-	-	30
	2002	2	0	100	-	-	-	-	89	0	-	-	74
Tonga	1990	99	31	69	100	-	100	-	100	-	97	98	96
	2002	103	33	67	100	75	100	72	100	76	97	98	96
Trinidad and Tobago	1990	1,215	69	31	92	77	93	81	89	68	100	100	100
	2002	1,298	75	25	91	77	92	80	88	67	100	100	100
Tunisia	1990	8,207	58	42	77	64	93	91	57	28	75	95	47
	2002	9,728	63	37	82	70	94	93	60	30	80	90	62
Turkey	1990	57,593	59	41	81	50	92	64	65	30	84	96	67
	2002	70,318	66	34	93	52	96	64	87	30	83	94	62
Turkmenistan	1990	3,668	45	55	-	-	-	-	-	-	-	-	-
	2002	4,794	45	55	71	52	93	81	54	29	62	77	50

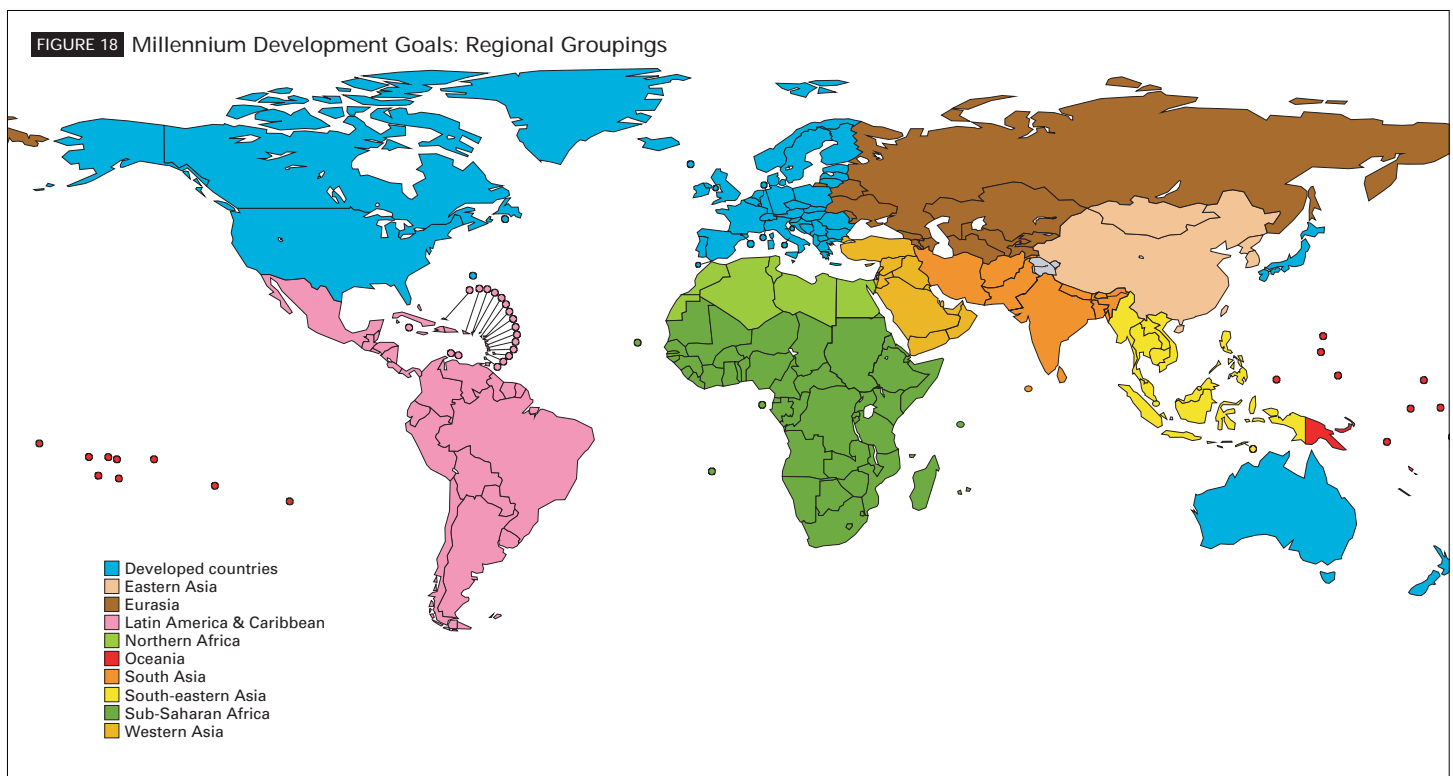
Countries, areas and territories	Year	Population			Improved Drinking Water Coverage						Improved Sanitation Coverage		
		Total (thousands)	Urban %	Rural %	Total		Urban		Rural		Total %	Urban %	Rural %
					Total %	Household Connection %	Total %	Household Connection %	Total %	Household Connection %			
Turks and Caicos Islands	1990	12	43	57	100	-	100	-	100	-	-	98	-
	2002	20	46	54	100	68	100	78	100	60	96	98	94
Tuvalu	1990	9	41	59	91	-	92	-	89	-	78	83	74
	2002	10	54	46	93	-	94	-	92	-	88	92	83
Uganda	1990	17,359	11	89	44	3	79	24	40	0	43	54	41
	2002	25,004	12	88	56	1	87	8	52	0	41	53	39
Ukraine	1990	51,891	67	33	-	-	100	-	-	-	99	100	97
	2002	48,902	67	33	98	78	100	93	94	49	99	100	97
United Arab Emirates	1990	2,035	83	17	-	-	-	-	-	-	100	100	100
	2002	2,937	85	15	-	-	-	-	-	-	100	100	100
United Kingdom	1990	56,761	89	11	-	99	100	100	-	92	-	-	-
	2002	59,068	89	11	-	-	100	100	-	-	-	-	-
United States of America	1990	255,712	75	25	100	100	100	100	100	100	100	100	100
	2002	291,038	80	20	100	100	100	100	100	100	100	100	100
United States Virgin Islands	1990	101	88	12	-	-	-	-	-	-	-	-	-
	2002	110	93	7	-	-	-	-	-	-	-	-	-
Uruguay	1990	3,106	89	11	-	-	98	95	-	-	-	95	-
	2002	3,391	92	8	98	91	98	94	93	56	94	95	85
Uzbekistan	1990	20,515	40	60	89	54	97	85	84	33	58	73	48
	2002	25,705	37	63	89	53	97	85	84	33	57	73	48
Vanuatu	1990	149	19	81	60	38	93	80	53	28	-	-	-
	2002	207	22	78	60	38	85	73	52	28	50	78	42
Venezuela	1990	19,502	84	16	-	-	-	79	-	-	-	-	-
	2002	25,226	87	13	83	81	85	84	70	61	68	71	48
Viet Nam	1990	66,074	20	80	72	11	93	51	67	1	22	46	16
	2002	80,278	25	75	73	14	93	51	67	1	41	84	26
Western Sahara	1990	207	88	12	-	-	-	-	-	-	-	-	-
	2002	301	93	7	-	-	-	-	-	-	-	-	-
Yemen	1990	11,944	21	79	69	31	74	64	68	22	21	59	11
	2002	19,315	25	75	69	33	74	64	68	22	30	76	14
Zambia	1990	8,200	39	61	50	22	86	51	27	2	41	64	26
	2002	10,698	35	65	55	18	90	47	36	2	45	68	32
Zimbabwe	1990	10,467	29	71	77	33	99	95	69	8	49	69	40
	2002	12,835	34	66	83	35	100	91	74	5	57	69	51
WORLD	1990	5,263,484	43	57	77	48	95	79	63	25	49	79	25
	2002	6,224,874	48	52	83	52	95	79	72	27	58	81	37
DEVELOPED regions	1990	934,014	72	28	100	96	100	99	99	89	100	100	99
	2002	993,055	75	25	98	96	100	99	94	88	98	100	92
EURASIA	1990	281,700	65	35	92	71	97	86	83	42	84	93	68
	2002	280,970	64	36	93	72	99	90	82	41	83	92	65
DEVELOPING regions	1990	4,047,770	35	65	71	36	93	69	59	18	34	68	16
	2002	4,950,850	42	58	79	42	92	71	70	21	49	73	31
Northern Africa	1990	118,068	49	51	88	57	95	83	82	33	65	84	47
	2002	147,319	52	48	90	73	96	91	84	54	73	89	57
Sub-Saharan Africa	1990	504,369	28	72	49	16	82	47	36	4	32	54	24
	2002	684,768	35	65	58	16	82	39	45	4	36	55	26
Latin America & the Caribbean	1990	441,525	71	29	83	70	93	86	58	32	69	82	35
	2002	535,626	76	24	89	78	95	89	69	42	75	84	44
Eastern Asia	1990	1,226,424	30	70	72	50	99	82	60	37	24	64	7
	2002	1,374,838	40	60	78	61	93	91	68	40	45	69	30
South Asia	1990	1,174,590	27	73	71	20	90	55	64	7	20	54	7
	2002	1,480,287	30	70	84	24	94	53	80	12	37	66	24
South-eastern Asia	1990	439,926	32	68	73	14	91	37	65	3	48	67	39
	2002	535,611	41	59	79	23	91	45	70	8	61	79	49
Western Asia	1990	136,444	62	38	83	62	94	79	65	33	79	96	52
	2002	183,961	66	34	88	63	95	79	74	31	79	95	49
Oceania	1990	6,425	23	77	51	21	92	69	39	6	58	83	50
	2002	8,440	24	76	52	22	91	67	40	8	55	84	46





# Millennium Development Goals: Regional Groupings

In charting progress towards the Millennium Development Goals, the United Nations has classified the world's countries into three regions: developed regions, developing regions and Eurasia (countries in the Commonwealth of Independent States). The developing regions are further divided into the subregions shown on the map below. A complete listing of countries included in these subregions can be found at: [www.wssinfo.org](http://www.wssinfo.org)



## WHO/UNICEF JOINT MONITORING PROGRAMME FOR WATER SUPPLY AND SANITATION

**Established:** In 1990, at the end of the International Drinking Water Supply and Sanitation Decade

**Executing Agencies:** WHO and UNICEF

**Technical Advisory Group:** Individual experts from academic institutions and civil society, plus representatives of organizations involved in water and sanitation and data collection, including UN-Habitat, ORC Macro, United

Nations Environment Programme, the Environmental Health Project of the United States Agency for International Development, the World Bank, the Water Supply and Sanitation Collaborative Council and the Millennium Project

**Funding Support:** United Kingdom's Department for International Development and the Swiss Agency for Development and Cooperation

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Design: Emerson, Wajdowicz Studios / NYC / www.designnews.com

# HIGHLIGHTS



## The world is on track to meet the drinking water target, but sub-Saharan Africa lags behind.

- Eighty-three per cent of the world's population are using improved drinking water sources, but 1.1 billion people are still without coverage.
- Progress in sub-Saharan Africa was impressive, moving from 49 per cent coverage in 1990 to 58 per cent in 2002. But at this rate it will not meet the MDG target by 2015.
- More than half the world's population use water piped to their homes, which frees them from the drudgery of water collection and protects their health.

## Without a sharp acceleration in the rate of progress, the world will miss the sanitation target by half a billion people.

- An estimated 2.6 billion people – half of the developing world – lack improved sanitation.
- Despite major progress in South Asia, little more than a third of its population use improved sanitation; coverage in sub-Saharan Africa is only 36 per cent.
- Global population growth is cancelling many of the gains already made. Though more than a billion people gained improved sanitation between 1990 and 2002, the population without coverage declined by only 100 million.

## From now until 2015, greater effort must be made to reach the poor and those in rural areas, whose deprivation is hidden behind national averages.

- For every person in urban areas, there are six people in rural areas without improved drinking water sources.
- An estimated 560 million people lack improved sanitation in urban areas of the developing world, compared with a staggering 2 billion in rural communities.

United Nations Children's Fund  
3 UN Plaza, NY, NY 10017 USA

World Health Organization  
Avenue Appia 20, 1211 Geneva 27, Switzerland

\$10.00 £5.50 €8.30  
ISBN: 92-415-6278-1  
Sales no.: E.04.XX.8

August 2004