

TABLE A.9. REPUBLIC OF KOREA, 1998 REVISION

## REPUBLIC OF KOREA

Indicator	A. ESTIMATES									
	1950	1955	1960	1965	1970	1975	1980	1985	1990	1995
Population (thousands)										
Total.....	20 357	21 422	25 003	28 530	31 923	35 281	38 124	40 806	42 869	44 949
Males.....	10 285	10 497	12 403	14 273	16 057	17 775	19 259	20 576	21 568	22 646
Females.....	10 072	10 925	12 601	14 256	15 865	17 506	18 865	20 230	21 301	22 303
Sex ratio (per 100 females).....	102.1	96.1	98.4	100.1	101.2	101.5	102.1	101.7	101.3	101.5
Age distribution:										
Percentage aged 0-4.....	15.7	15.6	18.6	16.5	13.7	12.7	11.3	9.1	7.7	7.7
Percentage aged 5-14.....	26.0	23.8	23.3	26.8	28.3	25.1	22.7	20.9	18.2	15.8
Percentage aged 15-24.....	18.6	20.6	18.8	17.2	17.8	21.3	23.0	21.1	20.4	18.7
Percentage aged 60 or over.....	5.4	5.6	5.3	5.1	5.4	5.8	6.0	6.8	7.7	8.9
Percentage aged 65 or over.....	3.0	3.7	3.3	3.3	3.3	3.6	3.8	4.3	5.0	5.6
Percentage of women aged 15-49.....	46.0	49.2	47.0	45.7	46.6	49.9	52.9	54.9	56.9	57.7
Median age (years).....	19.2	19.8	19.2	18.7	19.0	19.9	21.8	24.5	26.9	29.2
Population density (per sq km).....	206	216	253	288	322	356	385	412	433	454
	1950-1955	1955-1960	1960-1965	1965-1970	1970-1975	1975-1980	1980-1985	1985-1990	1990-1995	
Population change per year (thousands).....	213	716	705	679	672	569	536	413	416	
Births per year (thousands).....	773	1 065	1 059	963	969	877	840	690	700	
Deaths per year (thousands).....	668	345	335	314	297	259	258	258	274	
Population growth rate (percentage).....	1.02	3.09	2.64	2.25	2.00	1.55	1.36	0.99	0.95	
Crude birth rate (per 1,000 population).....	37.0	45.9	39.6	31.9	28.8	23.9	21.3	16.5	15.9	
Crude death rate (per 1,000 population).....	32.0	14.9	12.5	10.4	8.9	7.1	6.5	6.1	6.3	
Total fertility rate (per woman).....	5.40	6.33	5.63	4.71	4.28	2.92	2.50	1.80	1.70	
Gross reproduction rate (per woman).....	2.51	2.95	2.62	2.19	1.99	1.36	1.17	0.84	0.79	
Net reproduction rate (per woman).....	1.79	2.28	2.11	1.83	1.73	1.26	1.10	0.80	0.77	
Infant mortality rate (per 1,000 births).....	115	100	70	58	38	30	23	14	11	
Life expectancy at birth (years)										
Males.....	46.0	51.1	53.6	56.0	59.3	61.3	63.5	65.8	67.3	
Females.....	49.0	54.2	56.9	59.4	66.1	68.4	71.1	73.7	74.9	
Both sexes combined.....	47.5	52.6	55.2	57.6	62.6	64.8	65.9	69.6	70.9	
	B. MEDIUM-VARIANT PROJECTIONS									
	1995	2000	2005	2010	2015	2020	2025	2030	2040	2050
Population (thousands)										
Total.....	44 949	46 844	48 548	49 976	51 051	51 893	52 533	52 898	52 700	51 275
Males.....	22 646	23 624	24 486	25 183	25 679	26 053	26 312	26 438	26 250	25 496
Females.....	22 303	23 220	24 061	24 793	25 372	25 840	26 221	26 460	26 450	25 779
Sex ratio (per 100 females).....	101.5	101.7	101.8	101.6	101.2	100.8	100.3	99.9	99.2	98.9
Age distribution:										
Percentage aged 0-4.....	7.7	7.2	6.9	6.4	6.0	5.7	5.6	5.5	5.3	5.2
Percentage aged 5-14.....	15.8	14.3	14.0	13.3	12.7	12.0	11.4	11.2	11.0	10.8
Percentage aged 15-24.....	18.7	16.5	14.5	13.3	13.2	12.8	12.3	11.8	11.2	11.3
Percentage aged 60 or over.....	8.9	10.6	12.0	13.5	15.6	19.0	22.3	25.1	29.4	30.4
Percentage aged 65 or over.....	5.6	6.7	8.1	9.3	10.6	12.3	15.3	18.1	22.8	24.7
Percentage in school ages 6-11.....	9.1	8.6	8.4	8.0	7.6	7.1	6.8	6.7	6.6	6.4
Percentage in school ages 12-14.....	5.2	4.2	4.2	4.0	3.9	3.7	3.5	3.4	3.3	3.3
Percentage in school ages 15-17.....	5.2	4.8	3.9	4.1	3.9	3.8	3.6	3.4	3.3	3.3
Percentage in school ages 18-23.....	11.5	9.9	8.9	7.8	8.0	7.7	7.5	7.1	6.7	6.8
Percentage of women aged 15-49.....	57.7	57.7	55.8	52.4	49.0	46.2	43.2	41.3	39.4	39.1
Median age (years).....	29.2	31.4	33.7	36.0	38.0	39.7	41.3	42.3	43.6	44.4
Population density (per sq km).....	454	473	490	505	516	524	531	534	532	518
	1995-2000	2000-2005	2005-2010	2010-2015	2015-2020	2020-2025	2025-2030	2030-2040	2040-2050	
Population change per year (thousands).....	379	341	286	215	168	128	73	-20	-143	
Births per year (thousands).....	685	673	650	617	599	593	588	572	544	
Deaths per year (thousands).....	286	312	344	382	421	465	515	592	687	
Net migration per year (thousands).....	-20	-20	-20	-20	-10	0	0	0	0	
Population growth rate (percentage).....	0.83	0.72	0.58	0.43	0.33	0.25	0.14	-0.04	-0.27	
Crude birth rate (per 1,000 population).....	14.9	14.1	13.2	12.2	11.6	11.4	11.2	10.8	10.5	
Crude death rate (per 1,000 population).....	6.2	6.5	7.0	7.6	8.2	8.9	9.8	11.2	13.2	
Net migration rate (per 1,000 population).....	-0.4	-0.4	-0.4	-0.4	-0.2	0.0	0.0	0.0	0.0	
Total fertility rate (per woman).....	1.65	1.69	1.76	1.83	1.89	1.90	1.90	1.90	1.90	
Gross reproduction rate (per woman).....	0.77	0.79	0.84	0.88	0.91	0.91	0.91	0.91	0.91	
Net reproduction rate (per woman).....	0.75	0.78	0.82	0.86	0.89	0.90	0.90	0.90	0.90	
Infant mortality rate (per 1,000 births).....	10	9	9	8	7	7	6	6	6	
Mortality under age 5 (per 1,000 births).....	13	12	11	10	9	8	7	7	7	
Life expectancy at birth (years)										
Males.....	68.8	70.0	71.0	72.0	73.0	73.8	74.6	75.7	76.6	
Females.....	76.0	77.0	78.0	78.8	79.6	80.4	80.9	81.7	82.6	
Both sexes combined.....	72.4	73.5	74.5	75.4	76.3	77.1	77.8	78.7	79.6	

Source: United Nations Population Division, *World Population Prospects: The 1998 Revision*.

TABLE A.9 (continued)

## REPUBLIC OF KOREA

## C. HIGH-VARIANT PROJECTIONS

	1995	2000	2005	2010	2015	2020	2025	2030	2040	2050
<b>Population (thousands)</b>										
Total.....	44 949	46 988	48 978	50 725	52 143	53 380	54 620	55 777	57 430	58 114
Males.....	22 646	23 701	24 715	25 579	26 253	26 832	27 402	27 940	28 713	29 053
Females.....	22 303	23 287	24 263	25 147	25 890	26 548	27 218	27 837	28 716	29 061
<b>Age distribution:</b>										
Percentage aged 0-4.....	7.7	7.5	7.4	7.0	6.5	6.3	6.5	6.7	6.5	6.5
Percentage aged 5-14.....	15.8	14.2	14.2	14.0	13.6	12.9	12.4	12.4	13.0	12.9
Percentage aged 15-24.....	18.7	16.4	14.3	13.1	13.2	13.2	13.0	12.4	12.0	12.9
Percentage aged 60 or over.....	8.9	10.5	11.9	13.3	15.2	18.5	21.4	23.8	27.0	26.8
Percentage aged 65 or over.....	5.6	6.7	8.0	9.1	10.3	11.9	14.7	17.1	20.9	21.8
Percentage of women aged 15-49.....	57.7	57.6	55.3	51.6	48.3	45.7	42.9	41.1	39.8	40.7
Median age (years).....	29.2	31.4	33.5	35.5	37.3	38.8	39.9	40.0	40.2	40.1
	1995-2000	2000-2005	2005-2010	2010-2015	2015-2020	2020-2025	2025-2030	2030-2040	2040-2050	
Population change per year (thousands).....	408	398	350	284	247	248	231	165	68	
Population growth rate (percentage).....	0.89	0.83	0.70	0.55	0.47	0.46	0.42	0.29	0.12	
Crude birth rate (per 1,000 population).....	15.5	15.2	14.3	13.3	12.9	13.2	13.5	13.4	13.1	
Crude death rate (per 1,000 population).....	6.2	6.5	6.9	7.4	8.0	8.6	9.4	10.5	11.9	
Net migration rate (per 1,000 population).....	-0.4	-0.4	-0.4	-0.4	-0.2	0.0	0.0	0.0	0.0	
Total fertility rate (per woman).....	1.72	1.83	1.93	2.03	2.13	2.23	2.28	2.30	2.30	
Gross reproduction rate (per woman).....	0.80	0.86	0.92	0.98	1.02	1.07	1.10	1.11	1.11	
Net reproduction rate (per woman).....	0.78	0.84	0.90	0.96	1.01	1.06	1.08	1.09	1.09	

## D. LOW-VARIANT PROJECTIONS

	1995	2000	2005	2010	2015	2020	2025	2030	2040	2050
<b>Population (thousands)</b>										
Total.....	44 949	46 700	48 039	49 000	49 532	49 750	49 704	49 287	47 277	43 855
Males.....	22 646	23 548	24 216	24 668	24 882	24 932	24 834	24 555	23 426	21 636
Females.....	22 303	23 153	23 823	24 332	24 650	24 818	24 870	24 733	23 852	22 219
<b>Age distribution:</b>										
Percentage aged 0-4.....	7.7	6.9	6.2	5.6	5.1	4.7	4.5	4.3	3.9	3.8
Percentage aged 5-14.....	15.8	14.3	13.8	12.6	11.5	10.5	9.7	9.3	8.7	8.2
Percentage aged 15-24.....	18.7	16.5	14.6	13.5	13.3	12.3	11.4	10.6	9.7	9.4
Percentage aged 60 or over.....	8.9	10.6	12.1	13.8	16.0	19.8	23.5	26.9	32.8	35.5
Percentage aged 65 or over.....	5.6	6.8	8.2	9.5	10.9	12.8	16.1	19.4	25.4	28.9
Percentage of women aged 15-49.....	57.7	57.9	56.3	53.3	50.2	47.1	43.7	41.2	38.1	36.0
Median age (years).....	29.2	31.5	34.0	36.5	39.0	41.2	43.2	45.1	47.7	49.9
	1995-2000	2000-2005	2005-2010	2010-2015	2015-2020	2020-2025	2025-2030	2030-2040	2040-2050	
Population change per year (thousands).....	350	268	192	106	44	-9	-83	-201	-342	
Population growth rate (percentage).....	0.77	0.57	0.40	0.22	0.09	-0.02	-0.17	-0.42	-0.75	
Crude birth rate (per 1,000 population).....	14.3	12.6	11.4	10.3	9.5	9.1	8.7	8.0	7.5	
Crude death rate (per 1,000 population).....	6.2	6.6	7.1	7.7	8.4	9.3	10.4	12.2	15.0	
Net migration rate (per 1,000 population).....	-0.4	-0.4	-0.4	-0.4	-0.2	0.0	0.0	0.0	0.0	
Total fertility rate (per woman).....	1.58	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	
Gross reproduction rate (per woman).....	0.74	0.71	0.71	0.72	0.72	0.72	0.72	0.72	0.72	
Net reproduction rate (per woman).....	0.72	0.69	0.70	0.71	0.71	0.71	0.71	0.71	0.71	

## E. CONSTANT-VARIANT PROJECTIONS

	1995	2000	2005	2010	2015	2020	2025	2030	2040	2050
<b>Population (thousands)</b>										
Total.....	44 949	46 936	48 660	49 977	50 835	51 379	51 730	51 802	50 829	48 406
	1995-2000	2000-2005	2005-2010	2010-2015	2015-2020	2020-2025	2025-2030	2030-2040	2040-2050	
Population growth rate (percentage).....	0.87	0.72	0.53	0.34	0.21	0.14	0.03	-0.19	-0.49	
Crude birth rate (per 1,000 population).....	15.3	14.2	12.7	11.4	10.5	10.4	10.2	9.6	8.9	
Crude death rate (per 1,000 population).....	6.2	6.5	7.0	7.6	8.2	9.0	9.9	11.5	13.8	

Source: United Nations Population Division, *World Population Prospects: The 1998 Revision*.

TABLE A.10. REPUBLIC OF KOREA, REPLACEMENT MIGRATION SCENARIOS

REPUBLIC OF KOREA

Scenario	I	II	III	IV	V	VI
Period	Medium variant	Medium variant with zero migration	Constant total population	Constant age group 15-64	Ratio 15-64/65+ not less than 3.0	Constant ratio 15-64/65 years or older
<i>A. Average annual net migration (thousands)</i>						
1995-2000	-20	0	0	0	0	4 156
2000-2005	-20	0	0	0	0	7 278
2005-2010	-20	0	0	0	0	8 378
2010-2015	-20	0	0	0	0	10 678
2015-2020	-10	0	0	0	0	16 470
2020-2025	0	0	0	207	0	32 950
2025-2030	0	0	0	269	0	56 296
2030-2035	0	0	0	268	0	98 662
2035-2040	0	0	53	286	1 277	163 817
2040-2045	0	0	109	141	688	250 241
2045-2050	0	0	140	114	353	380 860
Grand total 1995-2050	-450	0	1 509	6 426	11 595	5 148 928
<i>B. Total population (thousands)</i>						
1995	44 949	44 949	44 949	44 949	44 949	44 949
2000	46 844	46 946	46 946	46 946	46 946	68 768
2005	48 548	48 755	48 755	48 755	48 755	110 750
2010	49 976	50 291	50 291	50 291	50 291	161 469
2015	51 051	51 474	51 474	51 474	51 474	227 364
2020	51 893	52 375	52 375	52 375	52 375	328 110
2025	52 533	53 020	53 020	54 119	53 020	522 908
2030	52 898	53 389	53 389	56 034	53 389	856 241
2035	52 979	53 470	53 470	57 776	53 470	1 439 406
2040	52 700	53 189	53 470	59 345	59 982	2 412 051
2045	52 097	52 580	53 470	59 910	63 752	3 915 529
2050	51 275	51 751	53 470	60 125	65 736	6 233 275
<i>C. Age group 15-64 (thousands)</i>						
1995	31 882	31 882	31 882	31 882	31 882	31 882
2000	33 623	33 696	33 696	33 696	33 696	48 998
2005	34 496	34 644	34 644	34 644	34 644	77 984
2010	35 455	35 678	35 678	35 678	35 678	113 307
2015	36 106	36 405	36 405	36 405	36 405	159 555
2020	36 314	36 649	36 649	36 649	36 649	230 307
2025	35 557	35 886	35 886	36 649	35 886	365 720
2030	34 506	34 827	34 827	36 649	34 827	595 824
2035	33 379	33 689	33 689	36 649	33 689	997 406
2040	32 083	32 383	32 578	36 649	37 101	1 667 666
2045	31 205	31 495	32 109	36 649	39 156	2 707 304
2050	30 401	30 685	31 867	36 649	40 270	4 319 740
<i>D. Potential support ratio 15-64/65 or older</i>						
1995	12.62	12.62	12.62	12.62	12.62	12.62
2000	10.67	10.67	10.67	10.67	10.67	12.62
2005	8.77	8.77	8.77	8.77	8.77	12.62
2010	7.64	7.64	7.64	7.64	7.64	12.62
2015	6.70	6.70	6.70	6.70	6.70	12.62
2020	5.70	5.70	5.70	5.70	5.70	12.62
2025	4.43	4.43	4.43	4.51	4.34	12.62
2030	3.61	3.61	3.61	3.76	3.61	12.62
2035	3.07	3.07	3.07	3.29	3.07	12.62
2040	2.67	2.67	2.68	2.95	3.00	12.62
2045	2.50	2.50	2.54	2.83	3.00	12.62
2050	2.40	2.40	2.48	2.76	3.00	12.62

TABLE A.10. (continued)

REPUBLIC OF KOREA

Scenario	I	II	III	IV	V	VI
Period	Medium variant	Medium variant with zero migration	Constant total population	Constant age group 15-64	Ratio 15-64/65+ not less than 3.0	Constant ratio 15-64/65 years or older
<i>E. Age group 65 or older (thousands)</i>						
1995	2 527	2 527	2 527	2 527	2 527	2 527
2000	3 152	3 159	3 159	3 159	3 159	3 884
2005	3 934	3 951	3 951	3 951	3 951	6 182
2010	4 639	4 668	4 668	4 668	4 668	8 982
2015	5 387	5 432	5 432	5 432	5 432	12 648
2020	6 366	6 426	6 426	6 426	6 426	18 256
2025	8 020	8 094	8 094	8 131	8 094	28 990
2030	9 565	9 653	9 653	9 753	9 653	47 231
2035	10 867	10 968	10 968	11 146	10 968	79 064
2040	12 024	12 134	12 144	12 409	12 367	132 195
2045	12 488	12 603	12 637	12 971	13 052	214 606
2050	12 665	12 781	12 851	13 270	13 423	342 421
<i>F. Percentage in age group 65 or older</i>						
1995	5.6	5.6	5.6	5.6	5.6	5.6
2000	6.7	6.7	6.7	6.7	6.7	5.6
2005	8.1	8.1	8.1	8.1	8.1	5.6
2010	9.3	9.3	9.3	9.3	9.3	5.6
2015	10.6	10.6	10.6	10.6	10.6	5.6
2020	12.3	12.3	12.3	12.3	12.3	5.6
2025	15.3	15.3	15.3	15.0	15.3	5.5
2030	18.1	18.1	18.1	17.4	18.1	5.5
2035	20.5	20.5	20.5	19.3	20.5	5.5
2040	22.8	22.8	22.7	20.9	20.6	5.5
2045	24.0	24.0	23.6	21.7	20.5	5.5
2050	24.7	24.7	24.0	22.1	20.4	5.5
<i>G. Age group 0-14 (thousands)</i>						
1995	10 540	10 540	10 540	10 540	10 540	10 540
2000	10 068	10 091	10 091	10 091	10 091	15 886
2005	10 118	10 160	10 160	10 160	10 160	26 585
2010	9 882	9 945	9 945	9 945	9 945	39 180
2015	9 558	9 637	9 637	9 637	9 637	55 160
2020	9 213	9 299	9 299	9 299	9 299	79 547
2025	8 956	9 040	9 040	9 338	9 040	128 197
2030	8 827	8 909	8 909	9 632	8 909	213 186
2035	8 733	8 814	8 814	9 981	8 814	362 937
2040	8 592	8 672	8 748	10 286	10 514	612 190
2045	8 404	8 482	8 725	10 290	11 543	993 619
2050	8 209	8 285	8 752	10 205	12 043	1 571 113
<i>H. Potential support ratio in 2050, by age at entry into non-working-age population</i>						
Age						
65	2.40	2.40	2.48	2.76	3.00	12.62
70	3.55	3.55	3.66	4.06	4.39	20.96
75	5.61	5.61	5.78	6.39	6.90	39.32
80	10.44	10.45	10.75	11.83	12.81	88.83

NOTE: The six scenarios can be described briefly as follows:

- I – Corresponds to the medium variant of the official United Nations population projections (*World Population Prospects, 1998 Revision*).
- II – This scenario amends the medium variant by assuming no migration after 1995.
- III – This scenario keeps the total population figure constant at the highest level that it would reach in the absence of migration after 1995.
- IV – This scenario keeps the number of persons aged 15-64 constant at the highest level that it would reach in the absence of migration after 1995.
- V – This scenario prevents the ratio of persons aged 15-64 to persons aged 65 and above from falling below 3.0.
- VI – This scenario keeps the ratio of persons aged 15-64 and above at the highest level that it would reach in the absence of migration after 1995. This scenario is considered to be demographically unrealistic.