

TABLE A.19. EUROPEAN UNION, 1998 REVISION

EUROPEAN UNION

Indicator	A. ESTIMATES									
	1950	1955	1960	1965	1970	1975	1980	1985	1990	1995
Population (thousands)										
Total.....	296151	305088	315857	330279	340576	349313	355421	358732	365235	371937
Males.....	142059	146694	152085	159683	165057	169501	172616	174195	177802	181615
Females.....	154092	158394	163772	170595	175519	179812	182806	184537	187432	190322
Sex ratio (per 100 females).....	92.2	92.6	92.9	93.6	94	94.3	94.4	94.4	94.9	95.4
Age distribution:										
Percentage aged 0-4.....	8.7	8.3	8.5	8.8	8.3	7.3	6.5	6.1	5.9	5.6
Percentage aged 5-14.....	15.8	15.9	16.1	15.7	16.4	16.5	15.2	13.4	12.3	11.8
Percentage aged 15-24.....	15.4	15.1	14.6	14.7	14.8	15	15.8	16.3	14.9	13.3
Percentage aged 60 or over.....	13.9	14.6	15.5	16.5	17.6	18.3	17.9	19	20.1	20.8
Percentage aged 65 or over.....	9.5	10	10.6	11.2	12.2	13.1	13.9	13.6	14.7	15.5
Percentage of women aged 15-49.....	50.1	48.7	46.7	45.6	45.8	45.7	46.8	48.1	48.4	48.4
Median age (years).....	32	32.3	32.8	32.8	32.9	33.1	33.7	34.8	36.1	37.3
Population density (per sq km).....	91	94	97	102	105	108	110	111	113	115
	1950-1955	1955-1960	1960-1965	1965-1970	1970-1975	1975-1980	1980-1985	1985-1990	1990-1995	
Population change per year (thousands).....	1787	2154	2884	2060	1747	1222	662	1301	1340	
Births per year (thousands).....	5390	5587	6037	5900	5166	4620	4423	4330	4165	
Deaths per year (thousands).....	3289	3340	3474	3636	3706	3742	3717	3704	3835	
Population growth rate (percentage).....	0.59	0.69	0.89	0.61	0.51	0.35	0.19	0.36	0.36	
Crude birth rate (per 1,000 population).....	17.9	18	18.7	17.6	15	13.1	12.4	12	11.3	
Crude death rate (per 1,000 population).....	10.9	10.8	10.8	10.8	10.7	10.6	10.4	10.2	10.4	
Total fertility rate (per woman).....	2.39	2.52	2.69	2.52	2.14	1.86	1.69	1.58	1.5	
Gross reproduction rate (per woman).....	1.16	1.22	1.31	1.23	1.04	0.9	0.82	0.77	0.73	
Net reproduction rate (per woman).....	1.07	1.13	1.23	1.16	1	0.87	0.8	0.75	0.72	
Infant mortality rate (per 1,000 births).....	48	39	32	26	21	15	11	9	7	
Life expectancy at birth (years)										
Males.....	64.7	66.6	67.6	68.2	68.8	69.9	71.1	72.3	73.3	
Females.....	69.2	71.7	73.2	74.2	75	76.5	77.7	78.9	79.7	
Both sexes combined.....	67	69.2	70.4	71.2	71.9	73.2	74.4	75.7	76.5	
	B. MEDIUM-VARIANT PROJECTIONS									
	1995	2000	2005	2010	2015	2020	2025	2030	2040	2050
Population (thousands)										
Total.....	371937	375276	376478	375694	373831	371125	367342	362201	348281	331307
Males.....	181615	183591	184472	184287	183509	182257	180401	177808	170702	162314
Females.....	190322	191685	192006	191407	190322	188868	186941	184394	177579	168993
Sex ratio (per 100 females).....	95.4	95.8	96.1	96.3	96.4	96.5	96.5	96.4	96.1	96
Age distribution:										
Percentage aged 0-4.....	5.6	5.2	4.9	4.7	4.7	4.8	4.7	4.7	4.6	4.7
Percentage aged 5-14.....	11.8	11.4	10.8	10.2	9.7	9.6	9.7	9.7	9.6	9.7
Percentage aged 15-24.....	13.3	12.3	11.9	11.6	11	10.4	10	10	10.3	10.2
Percentage aged 60 or over.....	20.8	21.9	22.9	24.5	26.1	28.1	30.5	32.8	34.9	35.3
Percentage aged 65 or over.....	15.5	16.4	17.5	18.3	19.8	21.2	23	25.2	28.4	28.9
Percentage in school ages 6-11.....	7.1	6.8	6.4	6	5.8	5.7	5.8	5.8	5.7	5.8
Percentage in school ages 12-14.....	3.6	3.5	3.4	3.2	3	2.9	2.9	3	3	2.9
Percentage in school ages 15-17.....	3.7	3.6	3.5	3.4	3.1	3	2.9	3	3	3
Percentage in school ages 18-23.....	8.1	7.4	7.2	7.1	6.7	6.3	6.1	6	6.2	6.2
Percentage of women aged 15-49.....	48.4	47.5	46.5	45.1	42.7	40.3	38.5	37.5	36.4	36.1
Median age (years).....	37.3	38.9	40.7	42.6	44.2	45.5	46.4	47.1	48.1	47.9
Population density (per sq km).....	115	116	116	116	115	114	113	112	107	102
	1995-2000	2000-2005	2005-2010	2010-2015	2015-2020	2020-2025	2025-2030	2030-2040	2040-2050	
Population change per year (thousands).....	668	240	-157	-373	-541	-757	-1028	-1392	-1697	
Births per year (thousands).....	3892	3686	3555	3539	3548	3482	3384	3250	3167	
Deaths per year (thousands).....	3799	3916	4057	4219	4363	4488	4622	4852	5074	
Net migration per year (thousands).....	574	470	346	308	274	250	210	210	210	
Population growth rate (percentage).....	0.18	0.06	-0.04	-0.1	-0.15	-0.2	-0.28	-0.39	-0.5	
Crude birth rate (per 1,000 population).....	10.4	9.8	9.5	9.4	9.5	9.4	9.3	9.1	9.3	
Crude death rate (per 1,000 population).....	10.2	10.4	10.8	11.3	11.7	12.2	12.7	13.6	14.9	
Net migration rate (per 1,000 population).....	1.5	1.3	0.9	0.8	0.7	0.7	0.6	0.6	0.6	
Total fertility rate (per woman).....	1.44	1.45	1.5	1.57	1.64	1.69	1.74	1.78	1.8	
Gross reproduction rate (per woman).....	0.7	0.71	0.73	0.76	0.8	0.82	0.85	0.86	0.87	
Net reproduction rate (per woman).....	0.69	0.7	0.72	0.75	0.79	0.82	0.84	0.86	0.87	
Infant mortality rate (per 1,000 births).....	6	6	6	6	5	5	5	5	5	
Mortality under age 5 (per 1,000 births).....	7.6	7.1	6.8	6.6	6.3	6	5.9	5.6	5.3	
Life expectancy at birth (years)										
Males.....	74.3	75.1	75.7	76.2	76.8	77.3	77.7	78.4	79.2	
Females.....	80.7	81.3	81.8	82.3	82.7	83.2	83.6	84.2	85	
Both sexes combined.....	77.6	78.2	78.8	79.3	79.7	80.2	80.7	81.3	82	

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

TABLE A.19 (continued)

## EUROPEAN UNION

C. HIGH-VARIANT PROJECTIONS										
	1995	2000	2005	2010	2015	2020	2025	2030	2040	2050
Population (thousands)										
Total.....	371937	376210	379928	382168	383515	384340	384866	384837	383622	381264
Males.....	181615	184071	186244	187613	188483	189044	189399	189429	188840	187941
Females.....	190322	192139	193684	194555	195032	195296	195467	195408	194782	193323
Age distribution:										
Percentage aged 0-4.....	5.6	5.4	5.5	5.4	5.4	5.5	5.6	5.7	5.9	6.1
Percentage aged 5-14.....	11.8	11.4	11	10.9	10.9	10.9	11	11.2	11.6	12.1
Percentage aged 15-24.....	13.3	12.2	11.8	11.4	11	11	11	11	11.4	11.8
Percentage aged 60 or over.....	20.8	21.8	22.7	24.1	25.5	27.1	29.1	30.9	31.7	30.6
Percentage aged 65 or over.....	15.5	16.4	17.3	18	19.3	20.5	21.9	23.7	25.8	25.1
Percentage of women aged 15-49.....	48.4	47.4	46.1	44.3	41.9	39.8	38.4	37.8	37.5	38.5
Median age (years).....	37.3	38.8	40.5	42	43.3	44.2	44.6	44.6	43.9	42.5
	1995-2000	2000-2005	2005-2010	2010-2015	2015-2020	2020-2025	2025-2030	2030-2040	2040-2050	
Population change per year (thousands).....	855	744	448	269	165	105	-6	-121	-236	
Population growth rate (percentage).....	0.23	0.2	0.12	0.07	0.04	0.03	0	-0.03	-0.06	
Crude birth rate (per 1,000 population).....	10.9	11.1	10.9	10.9	11.1	11.3	11.5	11.8	12.2	
Crude death rate (per 1,000 population).....	10.2	10.4	10.7	11	11.4	11.7	12	12.7	13.3	
Net migration rate (per 1,000 population).....	1.5	1.2	0.9	0.8	0.7	0.7	0.5	0.5	0.5	
Total fertility rate (per woman).....	1.51	1.65	1.75	1.86	1.96	2.06	2.12	2.18	2.2	
Gross reproduction rate (per woman).....	0.73	0.8	0.85	0.9	0.95	1	1.03	1.06	1.07	
Net reproduction rate (per woman).....	0.72	0.79	0.84	0.89	0.94	0.99	1.02	1.05	1.06	
D. LOW-VARIANT PROJECTIONS										
	1995	2000	2005	2010	2015	2020	2025	2030	2040	2050
Population (thousands)										
Total.....	371937	374518	374056	371434	367102	361188	353666	344232	320436	292104
Males.....	181615	183201	183227	182099	180053	177155	173380	168583	156411	142204
Females.....	190322	191317	190829	189335	187049	184033	180286	175649	164025	149900
Age distribution:										
Percentage aged 0-4.....	5.6	5	4.5	4.3	4.1	4	3.8	3.6	3.4	3.4
Percentage aged 5-14.....	11.8	11.5	10.7	9.6	9	8.7	8.5	8.2	7.6	7.3
Percentage aged 15-24.....	13.3	12.3	12	11.7	11	10	9.4	9.2	9	8.5
Percentage aged 60 or over.....	20.8	21.9	23	24.8	26.6	28.8	31.7	34.5	37.9	40
Percentage aged 65 or over.....	15.5	16.4	17.6	18.6	20.1	21.8	23.8	26.5	30.9	32.7
Percentage of women aged 15-49.....	48.4	47.6	46.8	45.5	43.2	40.7	38.8	37.5	35.4	33.6
Median age (years).....	37.3	39	40.9	42.9	44.8	46.4	47.8	49.1	51.3	52.9
	1995-2000	2000-2005	2005-2010	2010-2015	2015-2020	2020-2025	2025-2030	2030-2040	2040-2050	
Population change per year (thousands).....	516	-92	-524	-866	-1183	-1504	-1887	-2380	-2833	
Population growth rate (percentage).....	0.14	-0.02	-0.14	-0.23	-0.32	-0.42	-0.54	-0.72	-0.93	
Crude birth rate (per 1,000 population).....	10	9	8.5	8.2	8	7.6	7.2	6.8	6.6	
Crude death rate (per 1,000 population).....	10.2	10.5	10.9	11.4	12	12.5	13.2	14.6	16.5	
Net migration rate (per 1,000 population).....	1.5	1.3	0.9	0.8	0.8	0.7	0.6	0.6	0.7	
Total fertility rate (per woman).....	1.38	1.32	1.34	1.35	1.35	1.36	1.36	1.37	1.37	
Gross reproduction rate (per woman).....	0.67	0.64	0.65	0.66	0.66	0.66	0.66	0.66	0.67	
Net reproduction rate (per woman).....	0.66	0.63	0.64	0.65	0.65	0.65	0.66	0.66	0.66	
E. CONSTANT-VARIANT PROJECTIONS										
	1995	2000	2005	2010	2015	2020	2025	2030	2040	2050
Population (thousands)										
Total.....	371937	376119	378012	377362	374839	370817	365477	358609	340395	317555
	1995-2000	2000-2005	2005-2010	2010-2015	2015-2020	2020-2025	2025-2030	2030-2040	2040-2050	
Population growth rate (percentage).....	0.22	0.1	-0.03	-0.13	-0.22	-0.29	-0.38	-0.52	-0.69	
Crude birth rate (per 1,000 population).....	10.9	10.1	9.5	9.1	8.8	8.6	8.4	8.1	7.8	
Crude death rate (per 1,000 population).....	10.2	10.4	10.7	11.2	11.7	12.2	12.8	13.9	15.4	

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

TABLE A.20. EUROPEAN UNION, REPLACEMENT MIGRATION SCENARIOS

EUROPEAN UNION

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	574	0	0	46	0	5 302
2000-2005	470	0	263	396	0	6 171
2005-2010	346	0	521	545	0	5 095
2010-2015	308	0	663	1 596	0	9 012
2015-2020	274	0	742	1 938	417	9 557
2020-2025	250	0	869	2 424	8 550	12 947
2025-2030	210	0	1 032	2 814	10 210	18 312
2030-2035	210	0	1 216	2 407	8 176	20 346
2035-2040	210	0	1 351	1 593	3 376	18 724
2040-2045	210	0	1 416	1 063	0	16 483
2045-2050	210	0	1 418	1 097	0	18 153
Grand total 1995-2050	16 361	0	47 456	79 605	153 646	700 506
<i>B. Total population (thousands)</i>						
1995	371 937	371 937	371 937	371 937	371 937	371 937
2000	375 276	372 440	372 440	372 680	372 440	400 089
2005	376 478	371 065	372 440	373 390	371 065	433 063
2010	375 694	368 232	372 440	373 590	368 232	461 257
2015	373 831	364 428	372 440	378 554	364 428	510 650
2020	371 125	359 936	372 440	385 344	362 130	565 699
2025	367 342	354 500	372 440	394 551	401 916	641 056
2030	362 201	347 891	372 440	405 592	453 687	748 324
2035	355 783	339 947	372 440	414 173	498 026	871 833
2040	348 281	330 878	372 440	418 003	518 590	992 383
2045	340 013	321 049	372 440	418 422	520 307	1 104 897
2050	331 307	310 839	372 440	418 509	519 965	1 228 341
<i>C. Age group 15-64 (thousands)</i>						
1995	249 382	249 382	249 382	249 382	249 382	249 382
2000	251 299	249 213	249 213	249 382	249 213	268 773
2005	251 625	247 737	248 709	249 382	247 737	291 712
2010	250 909	245 587	248 563	249 382	245 587	311 918
2015	245 947	239 387	245 055	249 382	239 387	344 093
2020	239 216	231 427	240 285	249 382	232 969	379 072
2025	230 090	221 083	233 826	249 382	254 334	426 112
2030	218 698	208 594	226 054	249 382	282 380	492 818
2035	207 975	196 861	219 920	249 382	306 897	570 480
2040	199 716	187 775	217 056	249 382	319 230	647 667
2045	193 479	180 834	216 656	249 382	322 718	721 736
2050	187 851	174 470	216 929	249 382	325 575	803 974
<i>D. Potential support ratio 15-64/65 or older</i>						
1995	4.31	4.31	4.31	4.31	4.31	4.31
2000	4.08	4.06	4.06	4.06	4.06	4.31
2005	3.83	3.80	3.81	3.82	3.80	4.31
2010	3.64	3.60	3.64	3.65	3.60	4.31
2015	3.33	3.28	3.34	3.39	3.28	4.31
2020	3.04	2.98	3.07	3.17	3.00	4.31
2025	2.73	2.66	2.78	2.94	3.00	4.31
2030	2.39	2.32	2.48	2.69	3.00	4.31
2035	2.14	2.07	2.26	2.51	3.00	4.31
2040	2.02	1.94	2.18	2.43	3.00	4.31
2045	1.97	1.90	2.18	2.41	3.01	4.31
2050	1.96	1.89	2.21	2.41	3.03	4.31

TABLE A.20 (continued)

EUROPEAN UNION						
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	57 815	57 815	57 815	57 815	57 815	57 815
2000	61 596	61 349	61 349	61 357	61 349	62 310
2005	65 725	65 179	65 227	65 263	65 179	67 628
2010	68 903	68 186	68 348	68 400	68 186	72 312
2015	73 844	72 975	73 311	73 547	72 975	79 772
2020	78 599	77 580	78 147	78 683	77 656	87 881
2025	84 326	83 096	83 973	84 964	84 778	98 786
2030	91 378	89 889	91 199	92 808	94 127	114 250
2035	97 012	95 173	97 123	99 413	102 299	132 255
2040	99 073	96 772	99 665	102 672	106 410	150 149
2045	98 024	95 184	99 381	103 268	107 144	167 321
2050	95 600	92 240	98 067	103 280	107 603	186 386
<i>F. Percentage in age group 65 or older</i>						
1995	15.5	15.5	15.5	15.5	15.5	15.5
2000	16.4	16.5	16.5	16.5	16.5	15.6
2005	17.5	17.6	17.5	17.5	17.6	15.6
2010	18.3	18.5	18.4	18.3	18.5	15.7
2015	19.8	20.0	19.7	19.4	20.0	15.6
2020	21.2	21.6	21.0	20.4	21.4	15.5
2025	23.0	23.4	22.5	21.5	21.1	15.4
2030	25.2	25.8	24.5	22.9	20.7	15.3
2035	27.3	28.0	26.1	24.0	20.5	15.2
2040	28.4	29.2	26.8	24.6	20.5	15.1
2045	28.8	29.6	26.7	24.7	20.6	15.1
2050	28.9	29.7	26.3	24.7	20.7	15.2
<i>G. Age group 0-14 (thousands)</i>						
1995	64 740	64 740	64 740	64 740	64 740	64 740
2000	62 380	61 879	61 879	61 941	61 879	69 006
2005	59 127	58 149	58 504	58 745	58 149	73 723
2010	55 882	54 459	55 529	55 808	54 459	77 027
2015	54 040	52 066	54 074	55 625	52 066	86 785
2020	53 310	50 929	54 008	57 278	51 505	98 747
2025	52 926	50 320	54 641	60 204	62 805	116 157
2030	52 125	49 409	55 187	63 402	77 181	141 256
2035	50 796	47 913	55 397	65 378	88 831	169 098
2040	49 492	46 331	55 719	65 949	92 951	194 567
2045	48 510	45 031	56 403	65 772	90 445	215 841
2050	47 856	44 130	57 445	65 846	86 786	237 981
<i>H. Potential support ratio in 2050 by age at entry into non-working-age population</i>						
Age						
65	1.96	1.89	2.21	2.41	3.03	4.31
70	2.77	2.66	3.12	3.43	4.24	6.34
75	4.12	3.94	4.62	5.09	6.20	9.87
80	6.81	6.50	7.61	8.37	10.07	17.14

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.