

ANNEXES

ANNEX I

Japan: projection of the sex-age-specific activity rates of the population, 1965-1985; direct extrapolation for each age group, with correction coefficient (equation (a)) ^a

Sex and age	Activity rates							Ratio of increase (or decrease)				
	Observed		Projected									
	1955	1960	1965	1970	1975	1980	1985	1960/1955	1965/1960	1970/1965	1975/1970	1980/1975
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
<i>Males</i>												
15-19	52.1	50.7	50.2	49.7	49.2	48.7	48.2	0.9731	0.9901	0.9900	0.9899	0.9898
20-24	85.2	86.8	87.6	88.4	89.2	90.0	90.8	1.0188	1.0092	1.0091	1.0090	1.0090
25-29	93.7	96.0	96.6	97.4	98.2	98.9	99.5	1.0245	1.0063	1.0083	1.0082	1.0071
30-34	95.1	97.1	97.7	98.5	99.1	99.7	100.0	1.0210	1.0062	1.0082	1.0061	1.0061
35-39	95.8	97.2	97.9	98.6	99.3	99.8	100.0	1.0146	1.0072	1.0072	1.0071	1.0050
40-44	95.9	97.1	97.8	98.6	99.2	99.7	99.9	1.0125	1.0072	1.0082	1.0061	1.0050
45-49	95.5	96.7	97.4	98.2	98.9	99.5	99.9	1.0126	1.0072	1.0082	1.0071	1.0061
50-54	93.8	95.1	95.9	96.7	97.5	98.3	99.0	1.0139	1.0084	1.0083	1.0083	1.0082
55-59	88.7	89.5	90.3	91.1	92.0	92.8	93.6	1.0090	1.0089	1.0089	1.0099	1.0087
60-64	81.5	81.9	82.7	83.5	84.3	85.1	85.9	1.0049	1.0098	1.0097	1.0096	1.0095
65 and over	55.7	54.5	54.0	53.5	53.0	52.5	52.0	0.9785	0.9908	0.9907	0.9907	0.9906
<i>Females</i>												
15-19	48.3	48.9	49.4	49.9	50.4	50.9	51.4	1.0124	1.0102	1.0101	1.0100	1.0099
20-24	66.6	68.4	69.1	69.8	70.5	71.2	71.9	1.0270	1.0102	1.0014	1.0100	1.0099
25-29	51.5	50.1	49.6	49.1	48.6	48.1	47.6	0.9728	0.9900	0.9899	0.9898	0.9897
30-34	49.1	50.7	51.2	51.7	52.2	52.7	53.2	1.0326	1.0099	1.0098	1.0096	1.0096
35-39	52.4	54.4	55.0	55.6	56.2	56.8	57.4	1.0382	1.0110	1.0109	1.0108	1.0107
40-44	55.3	57.0	57.6	58.2	58.8	59.4	60.0	1.0307	1.0105	1.0104	1.0103	1.0102
45-49	54.2	56.5	57.1	57.7	58.3	58.9	59.5	1.0424	1.0106	1.0105	1.0104	1.0103
50-54	50.5	51.9	52.4	52.9	53.4	53.9	54.4	1.0277	1.0096	1.0095	1.0095	1.0094
55-59	45.9	45.8	45.3	44.9	44.5	44.1	43.7	0.9978	1.9891	0.9912	0.9911	0.9910
60-64	39.1	39.1	39.1	39.1	39.1	39.1	39.1	1.0000	1.0000	1.0000	1.0000	1.0000
65 and over	21.1	21.4	21.6	21.8	22.0	22.2	22.4	1.0142	1.0093	1.0093	1.0092	1.0091

ANNEX I (continued)

Sex and age (1)	Product of activity rates and inactivity rates						Correction coefficient				
	1955 (14)	1960 (15)	1965 (16)	1970 (17)	1975 (18)	1980 (19)	1960/1955 (20)	1965/1960 (21)	1970/1965 (22)	1975/1970 (23)	1980/1975 (24)
<i>Males</i>											
15-19	2,495.59	2,499.51	2,499.96	2,499.91	2,499.36	2,498.31	1.00157	1.0002	1.0000	1.9998	0.9996
20-24	1,240.96	1,145.76	1,086.24	1,025.44	963.36	900.00	0.90864	0.9481	0.9440	0.9395	0.9342
25-29	590.31	384.00	328.44	253.24	176.76	108.79	0.65050	0.8553	0.7710	0.6980	0.6155
30-34	465.99	281.59	224.71	147.75	89.19	29.91	0.60428	0.7980	0.6575	0.6037	0.3354
35-39	402.36	272.16	205.59	138.04	69.51	19.96	0.67640	0.7554	0.6714	0.5035	0.2872
40-44	393.19	281.59	215.16	138.04	79.36	29.91	0.71617	0.7641	0.6416	0.5749	0.2167
45-49	429.75	319.11	253.24	176.76	108.79	49.75	0.74254	0.7936	0.6980	0.6155	0.4573
50-54	581.56	465.99	393.19	319.11	243.75	167.11	0.80127	0.8438	0.8116	0.7638	0.6856
55-59	1,002.31	939.75	875.91	810.79	736.00	668.16	0.93758	0.9321	0.9257	0.9078	0.9078
60-64	1,507.75	1,482.39	1,430.71	1,377.75	1,323.51	1,267.99	0.98318	0.9651	0.9630	0.9606	0.9581
65 and over	2,467.51	2,479.75	2,484.00	2,487.75	2,491.00	2,493.75	1.00496	1.0017	1.0015	1.0013	1.0011
<i>Females</i>											
15-19	2,497.11	2,498.79	2,499.64	2,499.99	2,499.84	2,499.19	1.00067	1.0003	1.0001	0.9999	0.9997
20-24	2,224.44	2,161.44	2,139.19	2,107.96	2,079.75	2,050.56	0.97168	0.9897	0.9854	0.9866	0.9860
25-29	2,497.75	2,499.99	2,499.84	2,499.19	2,498.04	2,496.39	1.00090	0.9999	0.9997	0.9995	0.9993
30-34	2,499.19	2,499.51	2,498.56	2,497.11	2,495.16	2,492.71	1.00013	0.9996	0.9994	0.9992	0.9990
35-39	2,494.24	2,480.64	2,475.00	2,468.64	2,461.56	2,453.76	0.99455	0.9977	0.9974	0.9971	0.9968
40-44	2,471.91	2,451.00	2,442.24	2,432.76	2,422.56	2,411.64	0.99154	0.9964	0.9961	0.9958	0.9955
45-49	2,482.36	2,457.75	2,449.59	2,440.71	2,431.11	2,420.79	0.99009	0.9967	0.9964	0.9961	0.9958
50-54	2,499.75	2,496.39	2,494.24	2,491.59	2,488.44	2,484.79	0.99866	0.9991	0.9989	0.9987	0.9985
55-59	2,483.19	2,482.36	2,477.91	2,473.99	2,469.75	2,465.19	0.99967	0.9982	0.9984	0.9983	0.9982
60-64	2,381.19	2,381.19	2,391.19	2,391.19	2,381.19	2,381.19	1.00000	1.0000	1.0000	1.0000	1.0000
65 and over	1,664.79	1,682.04	1,693.44	1,704.76	1,716.00	1,727.16	1.01036	1.0068	1.0067	1.0066	1.0065

ANNEX I (concluded)

Sex and age (1)	Product of the ratio of increase (or decrease) and the correction coefficient				
	1960/1955 (25)	1965/1960 (26)	1970/1965 (27)	1975/1970 (28)	1980/1975 (29)
Males					
15-19	0.9746	0.9902	0.9900	0.9897	0.9894
20-24	0.9257	0.9568	0.9525	0.9479	0.9426
25-29	0.6664	0.9606	0.7773	0.7037	0.6198
30-34	0.6170	0.8029	0.6628	0.6073	0.3374
35-39	0.6863	0.7608	0.6762	0.5070	0.2886
40-44	0.7251	0.7696	0.6468	0.5784	0.2177
45-49	0.7519	0.7993	0.7037	0.6198	0.4600
50-54	0.8124	0.8508	0.8183	0.7701	0.6912
55-59	0.9460	0.9403	0.9339	0.9167	0.9156
60-64	0.9880	0.9745	0.9723	0.9698	0.9672
65 and over	0.9834	0.9924	0.9921	0.9919	0.9916
Females					
15-19	1.0130	1.0105	1.0102	1.0099	1.0095
20-24	0.9979	0.9997	0.9867	0.9964	0.9957
25-29	0.9736	0.9899	0.9896	0.9893	0.9890
30-34	1.0327	1.0094	1.0091	1.0087	1.0085
35-39	1.0325	1.0086	1.0082	1.0079	1.0079
40-44	1.0219	1.0068	1.0064	1.0060	1.0056
45-49	1.320	1.0072	1.0068	1.0064	1.0060
50-54	1.0263	1.0086	1.0083	1.0081	1.0078
55-59	0.9974	0.9873	0.9896	0.9894	0.9892
60-64	1.0000	1.0000	1.0000	1.0000	1.0000
65 and over	1.0247	1.0161	1.0160	1.0158	1.0156

* Computations:

$$\begin{aligned}
 (4) &= (3) \times [100 \pm (25)] \\
 (5) &= (4) \times [100 \pm (26)] \\
 (6) &= (5) \times [100 \pm (27)] \\
 (7) &= (6) \times [100 \pm (28)] \\
 (8) &= (7) \times [100 \pm (29)] \\
 (9) &= (3) : (2) \\
 (10) &= (4) : (3) \\
 (11) &= (5) : (4) \\
 (12) &= (6) : (5) \\
 (13) &= (7) : (6) \\
 (14) &= (2) \times [100 - (2)] \\
 (15) &= (3) \times [100 - (3)]
 \end{aligned}$$

$$\begin{aligned}
 (16) &= (4) \times [100 - (4)] \\
 (17) &= (5) \times [100 - (5)] \\
 (18) &= (6) \times [100 - (6)] \\
 (19) &= (7) \times [100 - (7)] \\
 (20) &= (15) : (14) \\
 (21) &= (16) : (15) \\
 (22) &= (17) : (16) \\
 (23) &= (18) : (18) \\
 (24) &= (19) : (19) \\
 (25) &= (9) \times (20) \\
 (26) &= (10) \times (21) \\
 (27) &= (11) \times (22) \\
 (28) &= (12) \times (23) \\
 (29) &= (13) \times (24)
 \end{aligned}$$

ANNEX II

Japan: projection of the sex-age-specific activity rates of the population, 1965-1985: direct extrapolation for each age group with correction coefficient (equation (b)) ^a

Sex and age	Activity rates							Ratio of increase (or decrease)				
	Observed		Projected									
	1955	1960	1965	1970	1975	1980	1985	1960/1955	1965/1960	1970/1965	1975/1970	1980/1975
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
<i>Males</i>												
15-19	51.2	50.7	49.3	47.9	46.5	45.1	43.7	0.9731	0.9724	0.7716	0.9708	0.9699
20-24	85.2	86.8	88.3	89.7	91.0	92.2	93.3	1.0188	1.0173	1.0159	1.0145	1.0132
25-29	93.7	96.0	97.5	98.5	99.1	99.5	99.7	1.0245	1.1560	1.0103	1.0061	1.0040
30-34	95.1	97.1	98.3	99.0	99.4	99.6	99.7	1.0210	1.0124	1.0071	1.0040	1.0020
35-39	95.8	97.2	98.2	98.9	99.3	99.6	99.8	1.0146	1.0103	1.0071	1.0040	1.0030
40-44	95.9	97.1	98.0	98.6	99.0	99.3	99.5	1.0125	1.0093	1.0061	1.0041	1.0030
45-49	95.5	96.7	97.6	98.3	98.8	99.2	99.5	1.0126	1.0093	1.0072	1.0051	1.0040
50-54	93.8	95.1	96.2	97.1	97.8	98.3	98.7	1.0139	1.0116	1.0094	1.0072	1.0051
55-59	88.7	89.5	90.3	91.0	91.7	92.4	93.0	1.0090	1.0089	1.0078	1.0077	1.0076
60-64	81.5	81.9	82.3	82.7	83.1	83.5	83.9	1.0049	1.0049	1.0049	1.0048	1.0048
65 and over	55.7	54.5	53.3	52.1	50.9	49.7	48.5	0.9785	0.9780	0.9775	0.9770	0.9764
<i>Females</i>												
15-19	48.3	48.9	49.5	50.1	50.7	51.3	51.9	1.0124	1.0123	1.0121	1.0120	1.0118
20-24	66.6	68.4	70.2	72.0	73.8	75.6	77.4	1.0270	1.0263	1.0256	1.0250	1.0244
25-29	51.5	50.1	48.7	47.3	45.9	44.6	43.3	0.9728	0.9721	0.9713	0.9704	0.9717
30-34	49.1	50.7	52.3	53.9	55.5	57.2	58.9	1.0326	1.0316	1.0306	1.0297	1.0306
35-39	52.4	54.4	56.5	58.7	61.0	63.3	65.6	1.0382	1.0386	1.0389	1.0392	1.0377
40-44	55.3	57.0	58.7	60.4	62.1	63.8	65.5	1.0307	1.0298	1.0290	1.0281	1.0274
45-49	54.2	56.5	58.9	61.4	63.9	66.5	69.1	1.0424	1.0425	1.0424	1.0407	1.0407
50-54	50.5	51.9	53.3	54.7	56.1	57.6	59.1	1.0277	1.0270	1.0263	1.0256	1.0267
55-59	45.9	45.8	45.7	45.6	45.5	45.4	45.3	0.9978	0.9978	0.9978	0.9978	0.9978
60-64	39.1	39.1	39.1	39.1	39.1	39.1	39.1	1.0000	1.0000	1.0000	1.0000	1.0000
65 and over	21.1	21.4	21.7	22.0	22.3	22.6	22.9	1.0142	1.0140	1.0138	1.0136	1.0135

ANNEX II (continued)

Sex and age	Increase (decrease)					Increase (decrease) multiplied by the correction coefficient				
	1960/1955	1965/1960	1970/1965	1975/1970	1980/1975	1960/1955	1965/1960	1970/1965	1975/1970	1980/1975
(1)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)
<i>Males</i>										
15-19	-0.0269	-0.0276	-0.0284	-0.0292	-0.0301	-0.0269	-0.0282	-0.0284	-0.0291	-0.0300
20-24	0.0188	0.0173	0.0159	0.0145	0.0132	0.0171	0.0156	0.0142	0.0129	0.0115
25-29	0.0245	0.0156	0.103	0.0061	0.0040	0.0159	0.0099	0.0062	0.0037	0.0022
30-34	0.0210	0.0124	0.0071	0.0040	0.0020	0.0127	0.0074	0.0042	0.0024	0.0013
35-39	0.0146	0.0103	0.0071	0.0040	0.0030	0.0099	0.0067	0.0044	0.0026	0.0017
40-44	0.0125	0.0093	0.0061	0.0041	0.0030	0.0090	0.0065	0.0043	0.0029	0.0021
45-49	0.0126	0.0093	0.0072	0.0051	0.0040	0.0094	0.0068	0.0051	0.0036	0.0027
50-54	0.0139	0.0116	0.0094	0.0072	0.0051	0.0111	0.0091	0.0072	0.0055	0.0040
55-69	0.0090	0.0089	0.0078	0.0077	0.0076	0.0084	0.0083	0.0073	0.0072	0.0070
60-64	0.0049	0.0049	0.0049	0.0048	0.0048	0.0048	0.0048	0.0048	0.0047	0.0047
65 and over	-0.0215	-0.0220	-0.0225	-0.0230	-0.0236	-0.0216	-0.0221	-0.0226	-0.0230	-0.0236
<i>Females</i>										
15-19	0.0124	0.0123	0.0121	0.0120	0.0118	0.0124	0.0123	0.0121	0.0120	0.0118
20-24	0.0270	0.0263	0.0256	0.0250	0.0244	0.0262	0.0255	0.0247	0.0240	0.0233
25-29	-0.0272	-0.0279	-0.0287	-0.0296	-0.0283	-0.0272	-0.0279	-0.0286	-0.0285	-0.0282
30-34	0.0326	0.0316	0.0306	0.0297	0.0306	0.0326	0.0315	0.0305	0.0303	0.0303
35-39	0.0382	0.0386	0.0389	0.0392	0.0377	0.0380	0.0382	0.0384	0.0377	0.0368
40-44	0.0307	0.0298	0.0290	0.0281	0.0274	0.0304	0.0295	0.0286	0.0281	0.0269
45-49	0.0424	0.0425	0.0424	0.0407	0.0407	0.0420	0.0419	0.0415	0.0404	0.0393
50-54	0.0277	0.0270	0.0263	0.0256	0.0267	0.0277	0.0269	0.0262	0.0260	0.0265
55-59	-0.0022	-0.0022	-0.0022	-0.0022	-0.0022	-0.0022	-0.0022	-0.0022	-0.0022	-0.0022
60-64	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
65 and over	0.0142	0.0140	0.0138	0.0126	0.0135	0.0143	0.0141	0.0139	0.0140	0.0136

ANNEX II (continued)

Sex and age (1)	Product of activity rates and inactivity rates						Correction coefficient				
	1955 (24)	1960 (25)	1965 (26)	1970 (27)	1975 (28)	1980 (29)	1960/1955 (30)	1965/1960 (31)	1970/1965 (32)	1975/1970 (33)	1980/1975 (34)
<i>Males</i>											
15-19	2,495.59	2,449.51	2,499.51	2,495.59	2,487.75	2,475.99	1.00157	1.02041	0.99843	0.99685	0.99527
20-24	1,260.91	1,145.76	1,033.11	923.91	819.00	719.16	0.90864	0.90168	0.89429	0.88644	0.87809
25-29	590.31	384.00	243.75	147.75	89.19	49.75	0.65050	0.63476	0.60615	0.60365	0.55779
30-34	465.99	281.59	167.11	99.00	59.64	39.84	0.60428	0.59345	0.59242	0.60242	0.66800
35-39	402.36	272.16	176.76	108.79	69.51	39.84	0.67640	0.64947	0.61546	0.63893	0.57315
40-44	393.79	281.59	196.00	138.04	99.00	69.51	0.71617	0.69604	0.70428	0.71718	0.70212
45-49	429.75	319.11	234.24	167.11	118.56	79.36	0.74254	0.73404	0.71341	0.70947	0.66936
50-54	581.56	465.99	365.56	281.59	215.16	267.11	0.80127	0.78448	0.77029	0.76408	0.77667
55-59	1,002.31	939.75	875.91	819.00	761.11	702.24	0.93755	0.93206	0.93502	0.92931	0.92265
60-64	1,507.75	1,482.39	1,456.71	1,430.71	1,404.39	1,377.75	0.98318	0.98267	0.98215	0.98160	0.98103
65 and over	2,467.51	2,479.75	2,489.11	2,495.59	2,499.19	2,499.91	1.00496	1.00377	1.00260	1.00144	0.00028
<i>Females</i>											
15-19	2,497.11	2,498.79	2,499.75	2,499.99	2,499.51	2,498.31	1.00067	1.00038	1.00009	0.99980	0.99951
20-24	2,224.44	2,161.44	2,091.96	2,016.00	1,933.56	1,844.64	0.97168	0.96785	0.96368	0.95910	0.95401
25-29	2,497.75	2,499.99	2,498.31	2,492.71	2,483.19	2,470.84	1.00090	0.99932	0.99775	0.99618	0.99502
30-34	2,499.19	2,499.51	2,494.71	2,484.78	2,469.75	2,448.16	1.00013	0.99807	0.99602	0.99394	0.99125
35-39	2,494.24	2,480.64	2,457.75	2,424.31	2,379.00	2,323.11	0.99455	0.99077	0.98639	0.98131	0.97650
40-44	2,471.91	2,451.00	2,424.31	2,391.84	2,353.59	2,309.56	0.99154	0.98911	0.98660	0.98400	0.98129
45-49	2,482.36	2,457.75	2,420.79	2,370.04	2,306.79	2,227.75	0.99009	0.98496	0.97903	0.97331	0.96573
50-54	2,499.75	2,496.39	2,489.11	2,477.91	2,462.79	2,442.24	0.99866	0.99708	0.99550	0.99389	0.99165
55-59	2,483.19	2,482.36	2,481.51	2,480.64	2,479.75	2,478.84	0.99967	0.99965	0.99964	0.99964	0.99963
60-64	2,381.19	2,381.19	2,381.19	2,381.19	2,381.19	2,381.19	1.00000	1.00000	1.00000	1.00000	1.00000
65 and over	1,664.79	1,682.04	1,699.11	1,716.00	1,732.71	1,749.74	1.01036	1.01014	1.00994	1.00973	1.00982

ANNEX II (concluded)

Sex and age (1)	Adjusted ratio of increase (or decrease)				
	1960/1955 (35)	1965/1960 (36)	1970/1965 (37)	1975/1970 (38)	1980/1975 (39)
<i>Males</i>					
15-19	0.9731	0.9718	0.9716	0.9709	0.9700
20-24	1.0171	1.0156	1.0142	1.0129	1.0115
25-29	1.0159	1.0099	1.0062	1.0037	1.0022
30-34	1.0127	1.0074	1.0042	1.0024	1.0013
35-39	1.0099	1.0067	1.0044	1.0026	1.0017
40-44	1.0090	1.0065	1.0043	1.0029	1.0021
45-49	1.0094	1.0068	1.0051	1.0036	1.0027
50-54	1.0111	1.0091	1.0072	1.0055	1.0040
55-59	1.0084	1.0081	1.0073	1.0072	1.0070
60-64	1.0048	1.0048	1.0048	1.0047	1.0047
65 and over	0.9784	0.9779	0.9774	0.9770	0.9764
<i>Females</i>					
15-19	1.0124	1.0123	1.0212	1.0120	1.0118
20-24	1.0262	1.0255	1.0247	1.0240	1.0233
25-29	0.9728	0.9721	0.9714	0.9715	0.9718
30-34	1.0326	1.0315	1.0305	1.0303	1.0303
35-39	1.0380	1.0382	1.0384	1.0377	1.0368
40-44	1.0304	1.0295	1.0286	1.0281	1.0269
45-49	1.0420	1.0419	1.0415	1.0404	1.0393
50-54	1.0277	1.0269	1.0262	1.0260	1.0265
55-59	0.9978	0.9978	0.9978	0.9978	0.9978
60-64	1.0000	1.0000	1.0000	1.0000	1.0000
65 and over	1.0143	1.0141	1.0139	1.0140	1.0136

a Computations:

- (4) = (3) × (35)
- (5) = (4) × (36)
- (6) = (5) × (37)
- (7) = (6) × (38)
- (8) = (7) × (39)
- (9) = (3) : (2)
- (10) = (4) : (3)
- (11) = (5) : (4)
- (12) = (6) : (5)
- (13) = (7) : (6)
- (14) = (9) - 1
- (15) = (10) - 1
- (16) = (11) - 1
- (17) = (12) - 1
- (18) = (13) - 1
- (19) = (14) × (30)
- (20) = (15) × (31)

- (21) = (16) × (32)
- (22) = (17) × (33)
- (23) = (18) × (34)
- (24) = (2) × [100 - (2)]
- (25) = (3) × [100 - (3)]
- (26) = (4) × [100 - (4)]
- (27) = (5) × [100 - (5)]
- (28) = (6) × [100 - (6)]
- (29) = (7) × [100 - (7)]
- (30) = (25) : (24)
- (31) = (26) : (25)
- (32) = (27) : (26)
- (33) = (28) : (27)
- (34) = (29) : (28)
- (35) = 1 + (19)
- (36) = 1 + (20)
- (37) = 1 + (21)
- (38) = 1 + (22)
- (39) = 1 + (23)

ANNEX III

Japan: projection of sex-age-specific activity rates of the population, 1965-1985 simple direct extrapolation for each age group^a

Sex and age	Activity rates							Increase (decrease) in activity rates				
	Observed		Projected									
	1955	1960	1965	1970	1975	1980	1985	1960/1965	1965/1960	1970/1965	1975/1970	1980/1975
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
<i>Males</i>												
15-19	52.1	50.7	49.3	47.9	46.5	45.1	43.7	0.0731	0.9724	0.9716	0.9708	0.9699
20-24	85.2	96.8	88.4	90.0	91.6	93.2	94.8	1.0188	1.0184	1.0181	1.0178	1.0175
25-29	93.7	96.0	98.4	100.9	103.5	106.2	109.0	1.0245	1.0250	1.0254	1.0258	1.0261
30-34	95.1	97.1	99.1	101.1	103.1	105.1	107.1	1.0210	1.0206	1.0202	1.0198	1.0194
35-39	95.8	97.2	98.6	100.0	101.4	102.8	104.2	1.0146	1.0144	1.0142	1.0140	1.0138
40-44	95.9	97.1	98.3	99.5	100.7	101.9	103.1	1.0125	1.0124	1.0122	1.0121	1.0119
45-49	95.5	96.7	97.9	99.1	100.3	101.5	102.7	1.0126	1.0124	1.0123	1.0121	1.0120
50-54	93.8	95.1	96.4	97.7	99.0	100.3	101.6	1.0139	1.0137	1.0135	1.0133	1.0131
55-59	88.7	89.5	90.3	91.1	91.9	92.7	93.5	1.0090	1.0089	1.0089	1.0088	1.0087
60-64	81.5	81.9	82.3	82.7	83.1	83.5	83.9	1.0049	1.0049	1.0049	1.0048	1.0048
65 and over	55.7	54.5	53.3	52.1	50.9	49.7	48.5	0.9785	0.9780	0.9775	0.9770	0.9764
<i>Females</i>												
15-19	48.3	48.9	49.5	50.1	50.7	51.3	51.9	1.0124	1.0123	1.0121	1.0120	1.0118
20-24	66.6	68.4	70.2	72.0	73.8	75.6	77.4	1.0270	1.0263	1.0256	1.0250	1.0244
25-29	51.5	50.1	48.7	47.3	45.9	44.5	43.1	0.9728	0.9721	0.9713	0.9704	0.9695
30-34	49.1	50.7	52.4	54.2	56.1	58.1	60.2	1.0326	1.0335	1.0344	1.0351	1.0357
35-39	52.4	54.4	56.5	58.7	61.0	63.4	65.9	1.0382	1.0386	1.0389	1.0392	1.0393
40-44	55.3	57.0	58.7	60.4	62.2	64.1	66.1	1.0307	1.0298	1.0290	1.0298	1.0305
45-49	54.2	56.5	58.9	61.4	64.0	66.7	69.5	1.0424	1.0425	1.0424	1.0423	1.0422
50-54	50.5	51.9	53.3	54.7	56.1	57.5	58.9	1.0277	1.0270	1.0263	1.0256	1.0250
55-59	45.9	45.8	45.7	45.6	45.5	45.4	45.3	0.9978	0.9978	0.9978	0.9978	0.9978
60-64	39.1	39.1	39.1	39.1	39.1	39.1	39.1	1.0000	1.0000	1.0000	1.0000	1.0000
65 and over	21.1	21.4	21.7	22.0	22.3	22.6	22.9	1.0142	1.0140	1.0138	1.0136	1.0135

^a Computations:

$$\begin{aligned}
 (4) &= (3) \times (9) \\
 (5) &= (4) \times (10) \\
 (6) &= (5) \times (11) \\
 (7) &= (6) \times (12) \\
 (8) &= (7) \times (13)
 \end{aligned}$$

$$\begin{aligned}
 (9) &= (3) : (2) \\
 (10) &= (4) : (3) \\
 (11) &= (5) : (4) \\
 (12) &= (6) : (5) \\
 (13) &= (7) : (6)
 \end{aligned}$$

ANNEX IV

Japan: projection of sex-age-specific activity rates of the population, 1965-1985: indirect extrapolation with correction coefficient^a

Sex and age	Inactivity rates							Activity rates				
	Observed		Projected					Projected				
	1955	1960	1965	1970	1975	1980	1985	1965	1970	1975	1980	1985
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
<i>Males</i>												
15-19	47.9	49.3	50.7	52.1	53.5	54.9	56.3	49.3	47.9	46.5	45.1	43.7
20-24	14.8	13.2	11.9	10.8	9.9	9.1	8.4	83.1	89.2	90.1	90.9	91.6
25-29	6.3	4.0	3.1	2.6	2.2	1.9	1.7	96.9	97.4	97.8	98.1	98.3
30-34	4.9	2.9	2.2	1.8	1.5	1.3	1.1	97.8	98.2	98.5	98.7	98.9
35-39	4.2	2.8	2.2	1.8	1.5	1.3	1.1	97.8	98.2	98.5	98.7	98.9
40-44	4.1	2.9	2.3	1.9	1.6	1.4	1.2	97.7	98.1	98.4	98.6	98.8
45-49	4.5	3.3	2.6	2.2	1.9	1.7	1.5	97.4	97.8	98.1	98.3	98.5
50-54	6.2	4.9	4.1	3.5	3.1	2.8	2.6	95.9	96.5	96.9	97.2	97.4
55-59	11.3	10.5	9.8	9.2	8.7	8.2	7.8	90.2	90.8	91.3	91.8	92.2
60-64	18.5	18.1	17.7	17.3	16.9	16.4	15.9	82.3	82.7	83.1	83.6	84.1
65 and over	44.3	45.5	46.7	47.9	49.1	50.3	51.6	53.3	52.1	50.9	49.7	48.4
<i>Females</i>												
15-19	51.7	51.1	50.5	49.9	49.3	48.7	48.1	49.5	50.1	50.7	51.3	51.9
20-24	33.4	31.6	29.9	28.3	26.8	25.4	24.1	70.1	71.7	73.2	74.6	75.9
25-29	48.5	49.9	51.3	49.9	48.5	47.1	45.7	48.7	50.1	51.5	52.9	54.3
30-34	50.9	49.3	47.8	45.9	49.1	42.4	40.8	52.2	54.1	55.9	57.6	59.2
35-39	47.6	45.6	43.7	41.9	40.2	38.6	37.1	56.3	58.1	59.8	61.4	62.9
40-44	44.7	43.0	41.4	39.9	38.5	37.2	36.0	58.6	60.1	61.5	62.8	64.0
45-49	45.8	43.5	41.3	39.2	37.2	35.3	33.5	58.7	60.8	62.8	64.7	66.5
50-54	49.5	48.1	46.7	45.3	43.9	42.6	41.3	53.3	54.7	56.1	57.4	58.7
55-59	54.1	54.2	54.3	54.4	54.5	54.6	54.7	45.7	45.6	45.5	45.4	45.3
60-64	60.9	60.9	60.9	60.9	60.9	60.9	60.9	39.1	39.1	39.1	39.1	39.1
65 and over	78.9	78.6	78.3	78.0	77.7	77.4	77.1	21.7	22.0	22.3	22.6	22.9

ANNEX IV (continued)

Sex and age	Ratio of increase (or decrease)					Increase (decrease)					Product of increase (decrease) and correction coefficient				
	1960/1955	1965/1960	1970/1965	1975/1970	1980/1975	1960/1955	1965/1960	1970/1965	1975/1970	1980/1975	1960/1955	1965/1960	1970/1965	1975/1970	1980/1975
(1)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)
<i>Males</i>															
15-19	1.0292	1.0284	1.0276	1.0269	1.0262	0.0292	0.0284	0.0276	0.0269	0.0262	0.0292	0.0284	0.0276	0.0268	0.0261
20-24	0.8919	0.9015	0.9076	0.9167	0.9192	-0.1081	-0.0985	-0.0924	-0.0833	-0.0808	-0.0982	-0.0901	-0.0849	-0.0771	-0.0749
25-29	0.6349	0.7750	0.8387	0.8462	0.8636	-0.3651	-0.2250	-0.1613	-0.1538	-0.1364	-0.2375	-0.1760	-0.1360	-0.1307	-0.1182
30-34	0.5918	0.7586	0.8182	0.8333	0.8667	-0.4082	-0.2414	-0.1818	-0.1667	-0.1333	-0.2467	-0.1844	-0.1494	-0.1393	-0.1158
35-39	0.6667	0.7857	0.8182	0.8333	0.8667	-0.3333	-0.2143	-0.1818	-0.1667	-0.1333	-0.2254	-0.1694	-0.1494	-0.1393	-0.1158
40-44	0.7073	0.7931	0.8261	0.8421	0.8750	-0.2927	-0.2069	-0.1739	-0.1579	-0.1250	-0.2096	-0.1798	-0.1325	-0.1334	-0.1096
45-49	0.7333	0.7879	0.8462	0.8636	0.8947	-0.2667	-0.2121	-0.1538	-0.1364	-0.1053	-0.1980	-0.1683	-0.1307	-0.1182	-0.0944
50-54	0.7903	0.8367	0.8537	0.8857	0.9032	-0.2907	-0.1633	-0.1463	-0.1143	-0.9068	-0.1680	-0.1370	-0.1257	-0.1017	-0.0877
55-59	0.9292	0.9333	0.9388	0.9457	0.9425	-0.0708	-0.0667	-0.0612	-0.0643	-0.0575	-0.0664	-0.0627	-0.0578	-0.0611	-0.0545
60-64	0.9784	0.9779	0.9774	0.9769	0.9704	-0.0216	-0.0221	-0.0226	-0.0331	-0.0296	-0.0212	-0.0217	-0.0222	-0.0325	-0.0289
65 and over . .	1.0271	1.0264	1.0257	1.0251	1.0244	0.0271	0.0264	0.0257	0.0251	0.0251	0.0272	0.0265	0.0258	0.0251	0.0251
<i>Females</i>															
15-19	0.9884	0.9883	0.9881	0.9880	0.9878	-0.0116	-0.0117	-0.0119	-0.0120	-0.0122	-0.0116	-0.0117	-0.0119	-0.0120	-0.0122
20-24	0.9461	0.9462	0.9465	0.9470	0.9478	-0.0539	-0.0538	-0.0535	-0.0530	-0.0522	-0.0524	-0.0522	-0.0518	-0.0512	-0.0504
25-29	1.0289	1.0281	0.9727	0.9719	0.9711	0.0289	0.0281	0.0283	0.0281	0.0289	0.0289	0.0281	0.0273	0.0281	0.0288
30-34	0.9686	0.9696	0.9603	0.9608	0.9615	-0.0314	-0.0304	-0.0397	-0.0392	-0.0385	-0.0314	-0.0303	-0.0395	-0.0389	-0.0381
35-39	0.9580	0.9583	0.9588	0.9594	0.9602	-0.0420	-0.0417	-0.0412	-0.0406	-0.0398	-0.0418	-0.0414	-0.0408	-0.0401	-0.0392
40-44	0.9620	0.9628	0.9638	0.9649	0.9662	-0.0380	-0.0372	-0.0362	-0.0351	-0.0338	-0.0377	-0.0368	-0.0358	-0.0347	-0.0333
45-49	0.9498	0.9494	0.9492	0.9490	0.9489	-0.0502	-0.0506	-0.0508	-0.0510	-0.0511	-0.0497	-0.0499	-0.0499	-0.0500	-0.0500
50-54	0.9717	0.9709	0.9700	0.9691	0.9704	-0.0283	-0.0291	-0.0300	-0.0309	-0.0296	-0.0283	-0.0290	-0.0299	-0.0307	-0.0294
55-59	1.0018	1.0018	1.0018	1.0018	1.0018	0.0018	0.0018	0.0018	0.0018	0.0018	0.0018	0.0018	0.0018	0.0018	0.0018
60-64	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
65 and over . .	0.9962	0.9962	0.9962	0.9962	0.9961	-0.0038	-0.0038	-0.0038	-0.0038	-0.0039	-0.0038	-0.0038	-0.0038	-0.0038	-0.0039

ANNEX IV (continued)

Sex and age (1)	Adjusted ratio of increase (decrease)					Correction coefficient				
	1960/1955 (29)	1965/1960 (30)	1970/1965 (31)	1975/1970 (32)	1980/1975 (33)	1960/1955 (34)	1965/1960 (35)	1970/1965 (36)	1975/1970 (37)	1980/1975 (38)
Males										
15-19	1.0292	1.0284	1.0276	1.0268	1.0261	1.00157	1.00000	0.99843	0.99685	0.99527
20-24	0.9018	0.9099	0.9151	0.9229	0.9251	0.90964	0.91501	0.91889	0.92591	0.92735
25-29	0.7625	0.8240	0.8640	0.8693	0.8818	0.65050	0.78226	0.84303	0.84962	0.86628
30-34	0.7533	0.8156	0.8706	0.8506	0.8842	0.60428	0.76408	0.82152	0.83587	0.86842
35-39	0.7746	0.8306	0.8506	0.8607	0.8842	0.67640	0.79056	0.82152	0.83587	0.86842
40-44	0.7904	0.8202	0.8675	0.8666	0.8914	0.71617	0.86902	0.76167	0.84468	0.87677
45-49	0.8020	0.8317	0.8693	0.8818	0.9056	0.74254	0.79358	0.84962	0.86628	0.89656
50-54	0.8320	0.8622	0.8743	0.8983	0.9123	0.80127	0.84377	0.85899	0.88938	0.90602
55-59	0.9336	0.9373	0.9422	0.9389	0.9955	0.93758	0.94063	0.94502	0.95085	0.94769
60-64	0.9788	0.9783	0.9778	0.9675	0.9711	0.98318	0.98267	0.98215	0.98160	0.97625
65 and over	1.0272	1.0265	1.0258	1.0251	1.0251	1.00486	1.00377	1.00260	1.00144	1.00028
Females										
15-19	0.9884	0.9883	0.9881	0.9880	0.9878	1.00067	1.00038	1.00009	0.99980	0.99951
20-24	0.9476	0.9478	0.9482	0.9488	0.9496	0.97168	0.96871	0.96809	0.96680	0.96588
25-29	1.0289	0.9719	0.9727	0.9719	0.9712	1.00090	0.99932	1.00067	0.99910	0.99753
30-34	0.9686	0.9607	0.9605	0.9611	0.9619	1.00013	0.99825	0.99520	0.99275	0.99069
35-39	0.9582	0.9586	0.9592	0.9599	0.9608	0.99455	0.99180	0.98946	0.98749	0.98588
40-44	0.9623	0.9632	0.9642	0.9653	0.9667	0.99154	0.98981	0.98843	0.98738	0.98665
45-49	0.9503	0.9501	0.9501	0.9500	0.9500	0.99009	0.98639	0.98310	0.98019	0.97763
50-54	0.9717	0.9710	0.9701	0.9693	0.9706	0.99866	0.99708	0.99550	0.99389	0.99287
55-59	1.0018	1.0018	1.0018	1.0018	1.0018	0.99967	0.99965	0.99964	0.99964	0.99963
60-64	1.0000	1.0000	1.0000	1.0000	1.0000	1.00000	1.00000	1.00000	1.00000	1.00000
65 and over	0.9962	0.9962	0.9962	0.9962	0.9961	1.01036	1.01014	1.00994	1.00973	1.00953

ANNEX IV (concluded)

Sex and age (1)	Product of activity rates and inactivity rates					
	1955 (39)	1960 (40)	1965 (41)	1970 (42)	1975 (43)	1980 (44)
Males						
15-19	2,495.59	2,499.51	2,499.51	2,495.59	2,487.75	2,475.99
20-24	1,260.96	1,145.76	1,048.39	963.36	891.99	827.19
25-29	590.31	384.00	300.39	253.24	215.16	186.39
30-34	465.99	281.59	215.16	176.76	147.75	128.31
35-39	402.36	272.16	215.16	176.76	147.75	128.31
40-44	393.19	281.59	244.71	186.39	157.44	138.04
45-49	429.75	319.11	253.24	215.16	186.39	167.11
50-54	581.56	465.99	393.19	337.75	300.39	272.16
55-59	1,002.31	939.75	883.96	835.36	794.31	752.76
60-64	1,507.75	1,482.39	1,456.71	1,430.71	1,404.39	1,371.04
65 and over	2,467.51	2,479.75	2,489.11	2,495.59	2,499.19	2,499.91
Females						
15-19	2,497.11	2,498.79	2,499.75	2,499.99	2,499.51	2,498.31
20-24	2,224.44	2,161.44	2,095.99	2,029.11	1,961.76	1,894.84
25-29	2,497.75	2,499.99	2,498.31	2,494.99	2,497.75	2,491.59
30-34	2,499.19	2,499.51	2,495.16	2,483.19	2,465.19	2,442.24
35-39	2,494.24	2,480.64	2,460.31	2,439.39	2,403.96	2,370.04
40-44	2,471.91	2,451.00	2,426.04	2,397.99	2,367.75	2,336.16
45-49	2,482.36	2,457.75	2,424.31	2,383.36	2,336.16	2,283.91
50-54	2,499.75	2,496.39	2,498.11	2,477.91	2,462.79	2,445.24
55-59	2,483.19	2,482.36	2,481.51	2,480.64	2,479.75	2,478.84
60-64	2,381.19	2,381.19	2,381.19	2,381.19	2,381.19	2,381.19
65 and over	1,664.79	1,682.04	1,699.11	1,716.00	1,732.71	1,749.24

* Computations:

(4) = (3) × (29)
 (5) = (4) × (30)
 (6) = (5) × (31)
 (7) = (6) × (32)
 (8) = (7) × (33)
 (9) = 100 - (4)
 (10) = 100 - (5)
 (11) = 100 - (6)
 (12) = 100 - (7)
 (13) = 100 - (8)
 (14) = (3) : (2)
 (15) = (4) : (3)
 (16) = (5) : (4)
 (17) = (6) : (5)
 (18) = (7) : (6)
 (19) = (14) - 1
 (20) = (15) - 1
 (21) = (16) - 1
 (22) = (17) - 1
 (23) = (18) - 1

(24) = (19) × (34)
 (25) = (20) × (35)
 (26) = (21) × (36)
 (27) = (22) × (37)
 (28) = (23) × (38)
 (29) = (24) + 1
 (30) = (25) + 1
 (31) = (26) + 1
 (32) = (27) + 1
 (33) = (28) + 1
 (34) = (40) : (39)
 (35) = (41) : (40)
 (36) = (42) : (41)
 (37) = (43) : (42)
 (38) = (44) : (43)
 (39) = (2) × [100 - (2)]
 (40) = (3) × [100 - (3)]
 (41) = (4) × [100 - (4)]
 (42) = (5) × [100 - (5)]
 (43) = (6) × [100 - (6)]
 (44) = (7) × [100 - (7)]

ANNEX V

Japan: projection of sex-age-specific activity rates of the population, 1965-1985: simple indirect extrapolation for each age group ^a

Sex and age (1)	Inactivity rates		Projected activity rates					Ratio of increase (or decrease)				
	1955 (2)	1960 (3)	1965 (4)	1970 (5)	1975 (6)	1980 (7)	1985 (8)	1960/1955 (9)	1965/1960 (10)	1970/1965 (11)	1975/1970 (12)	1980/1975 (13)
<i>Males</i>												
15-19	47.9	49.3	49.3	47.9	46.5	45.1	43.7	1.0292	1.0284	1.0276	1.0269	1.0262
20-24	14.8	13.2	88.2	89.5	90.7	91.8	92.8	0.8919	0.8939	0.8898	0.8857	0.8817
25-29	6.3	4.0	97.5	98.4	99.0	99.4	99.6	0.6349	0.6250	0.6400	0.6259	0.6000
30-34	4.9	2.9	98.3	99.0	99.4	99.6	99.7	0.5918	0.5862	0.5882	0.6000	0.6667
35-39	4.2	2.8	98.1	98.7	99.1	99.4	99.6	0.6667	0.6786	0.6842	0.6923	0.6667
40-44	4.1	2.9	97.9	98.5	98.9	99.2	99.4	0.7073	0.7241	0.7143	0.7333	0.7273
45-49	4.5	3.3	97.6	98.3	98.8	99.2	99.5	0.7333	0.7273	0.7083	0.7059	0.6667
50-54	6.2	4.9	96.1	96.9	97.5	98.0	98.4	0.7903	0.7959	0.7949	0.8065	0.8000
55-59	11.3	10.5	90.2	90.9	91.5	92.1	92.7	0.9292	0.9333	0.9286	0.9341	0.9294
60-64	18.5	18.1	82.3	82.7	83.1	83.5	83.9	0.9784	0.9779	0.9774	0.9769	0.9763
65 and over	44.3	45.5	53.3	52.1	50.9	49.3	48.5	1.0271	1.0264	1.0257	1.0251	1.0244
<i>Females</i>												
15-19	51.7	51.1	49.5	50.1	50.7	51.3	51.9	0.9884	0.9883	0.9881	0.9880	0.9878
20-24	33.4	31.6	70.1	71.7	73.2	74.6	75.9	0.9461	0.9462	0.9465	0.9470	0.9478
25-29	48.5	49.9	48.7	47.3	45.9	44.5	43.1	1.0289	1.0281	1.0273	1.0266	1.0259
30-34	50.9	49.3	52.2	53.7	55.2	56.7	58.2	0.9686	0.9696	0.9686	0.9676	0.9665
35-39	47.6	45.6	56.3	58.1	59.8	61.4	62.9	0.9580	0.9583	0.9588	0.9594	0.9602
40-44	44.7	43.0	58.6	60.1	61.5	63.8	64.1	0.9620	0.9628	0.9638	0.9649	0.9662
45-49	45.8	43.5	58.7	60.8	62.8	64.7	66.5	0.9498	0.9494	0.9492	0.9490	0.9489
50-54	49.5	48.1	53.3	54.7	56.1	57.5	58.9	0.9717	0.9709	0.9700	0.9691	0.9681
55-59	54.1	54.2	45.7	45.6	45.5	45.4	45.3	1.0018	1.0018	1.0018	1.0018	1.0018
60-64	60.9	60.9	39.1	39.1	39.1	39.1	39.1	1.0000	1.0000	1.0000	1.0000	1.0000
65 and over	78.9	78.6	21.7	22.0	22.3	22.6	22.9	0.9962	0.9962	0.9962	0.9962	0.9961

^a Computations:

$$\begin{aligned} (4) &= 100 - [(3) \times (9)] \\ (5) &= 100 - [(4) \times (10)] \\ (6) &= 100 - [(5) \times (11)] \\ (7) &= 100 - [(6) \times (12)] \\ (8) &= 100 - [(7) \times (13)] \end{aligned}$$

$$\begin{aligned} (9) &= 100 - (3) : (2) \\ (10) &= 100 - (4) : 100 - (3) \\ (11) &= 100 - (5) : 100 - (4) \\ (12) &= 100 - (6) : 100 - (5) \\ (13) &= 100 - (7) : 100 - (6) \end{aligned}$$

ANNEX VI

Japan: projection of the sex-age-specific activity rates of the population, 1965-1985: extrapolation by cohort with correction coefficient ^a

Sex and age	Activity rates							Cohort ratio				
	Observed		Projected ^a									
	1955	1960	1965	1970	1975	1980	1985	1960/1955	1965/1960	1970/1965	1975/1970	1980/1975
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Males												
15-19	52.1	50.7	—	—	—	—	—	—	—	—	—	—
20-24	85.2	86.8	81.4	—	—	—	—	1.666	1.606	—	—	—
25-29	93.7	96.0	94.0	91.3	—	—	—	1.127	1.083	1.122	—	—
30-34	95.1	97.1	98.1	95.4	94.5	—	—	1.036	1.022	1.015	1.035	—
35-39	95.8	97.2	98.6	98.9	96.0	96.5	—	1.022	1.015	1.008	1.006	1.021
40-44	95.9	97.1	98.2	99.2	99.2	96.3	97.8	1.014	1.010	1.006	1.003	1.003
45-49	95.5	96.7	97.7	98.6	99.4	99.3	96.4	1.008	1.006	1.004	1.002	1.001
50-54	93.8	95.1	16.4	97.5	98.5	99.3	99.3	0.996	0.997	0.998	0.999	0.999
55-59	88.7	89.5	91.0	92.8	94.6	96.2	97.7	0.954	0.957	0.963	0.970	0.977
60-64	81.5	81.9	82.7	84.4	86.6	89.0	91.4	0.923	0.924	0.927	0.933	0.941
65 and over	55.7	54.5	54.6	55.2	56.4	58.0	59.9	0.669	0.667	0.677	0.668	0.670
Females												
15-19	48.3	48.9	—	—	—	—	—	—	—	—	—	—
20-24	66.6	68.4	68.7	—	—	—	—	1.416	1.405	—	—	—
25-29	51.5	50.1	51.4	51.6	—	—	—	0.752	0.751	0.751	—	—
30-34	49.1	50.7	49.3	50.6	50.8	—	—	0.984	0.984	0.984	0.984	—
35-39	52.9	54.4	56.1	54.5	56.0	56.2	—	1.108	1.107	1.105	1.107	1.106
40-44	55.3	57.0	59.1	60.9	59.1	60.8	61.0	1.088	1.086	1.086	1.084	1.086
45-49	54.2	56.5	58.3	60.5	62.4	60.6	62.3	1.022	1.023	1.024	1.025	1.025
50-54	50.5	51.9	54.1	55.9	58.0	59.8	58.1	0.958	0.958	0.959	0.955	0.958
55-59	45.9	45.8	47.1	49.1	50.8	52.7	54.4	0.907	0.908	0.908	0.909	0.909
60-64	39.1	39.1	39.0	40.1	41.7	43.1	44.6	0.852	0.852	0.851	0.849	0.848
65 and over	21.1	21.4	21.2	21.3	21.8	22.4	22.8	0.547	0.542	0.546	0.544	0.537

ANNEX VI (continued)

Sex and age	Increase (decrease) in the cohort ratio					Product of increase (decrease) in the cohort ratio and correction coefficient					Adjusted cohort ratio				
	1960/1955	1965/1960	1970/1965	1975/1970	1980/1975	1960/1955	1965/1960	1970/1965	1975/1970	1980/1975	1960/1955	1965/1960	1970/1965	1975/1970	1980/1975
(1)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)
<i>Males</i>															
15-19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20-24	0.666	0.606	—	—	—	0.605	0.801	—	—	—	1.605	1.801	—	—	—
25-29	0.127	0.083	0.122	—	—	0.083	0.122	0.172	—	—	1.083	1.122	1.172	—	—
30-34	0.036	0.022	0.015	0.035	—	0.022	0.015	0.035	0.041	—	1.022	1.015	1.035	1.041	—
35-39	0.022	0.015	0.008	0.006	0.021	0.015	0.008	0.006	0.021	0.018	1.015	1.008	1.006	1.021	1.018
40-44	0.014	0.010	0.006	0.003	0.003	0.010	0.006	0.003	0.003	0.013	1.010	1.006	1.003	1.003	1.013
45-49	0.008	0.006	0.004	0.002	0.001	0.006	0.004	0.002	0.001	0.001	1.006	1.004	1.002	1.001	1.001
50-54	-0.004	-0.003	-0.002	-0.001	-0.001	-0.003	-0.002	-0.001	-0.001	-0.000	0.997	0.998	0.999	-0.999	1.000
55-59	-0.046	-0.043	-0.037	-0.030	-0.023	-0.043	-0.037	-0.030	-0.023	-0.016	0.957	0.963	0.970	-0.977	-0.984
60-64	-0.077	-0.076	-0.073	-0.067	-0.059	-0.076	-0.073	-0.067	-0.050	-0.050	0.924	0.027	0.933	-0.941	-0.950
65 and over . .	-0.331	-0.333	-0.333	-0.332	-0.330	-0.333	-0.333	-0.332	-0.330	-0.327	0.667	0.667	0.668	-0.670	-0.673
<i>Females</i>															
15-19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20-24	0.416	0.405	—	—	—	0.404	0.403	—	—	—	1.404	1.403	—	—	—
25-29	-0.248	-0.249	-0.249	—	—	-0.248	-0.249	—	—	—	0.752	0.751	—	—	—
30-34	-0.016	-0.016	-0.016	-0.016	—	0.016	-0.016	-0.016	-0.016	—	0.984	0.984	0.984	—	—
35-39	0.108	0.107	0.105	0.107	0.106	0.107	0.106	0.106	0.106	0.106	1.107	1.106	1.106	1.106	1.106
40-44	0.088	0.086	0.086	0.084	0.086	0.087	0.085	0.085	0.085	0.085	1.087	1.085	1.085	1.085	1.085
45-49	0.022	0.023	0.024	0.025	0.025	0.022	0.023	0.024	0.025	0.025	1.022	1.023	1.024	1.025	1.025
50-54	-0.042	-0.042	-0.041	-0.041	-0.042	-0.042	-0.042	-0.041	-0.041	-0.041	0.958	0.958	0.959	0.959	0.959
55-59	-0.093	-0.092	-0.092	-0.091	-0.091	-0.093	-0.092	-0.092	-0.092	-0.091	0.907	0.908	0.908	0.909	0.909
60-64	-0.148	-0.148	-0.149	-0.151	-0.152	-0.148	-0.148	-0.150	-0.152	-0.153	0.852	0.852	0.850	0.849	0.847
65 and over . .	-0.453	-0.458	-0.454	-0.056	-0.463	-0.458	-0.455	-0.456	-0.464	-0.472	0.542	0.545	0.544	0.536	0.528

ANNEX VI (concluded)

Sex and age	Product of activity rates and inactivity rates						Correction coefficient				
	1955	1960	1965	1970	1975	1980	1960/1955	1965/1960	1970/1965	1975/1970	1980/1975
(1)	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)	(37)	(38)	(39)
Males											
15-19	2,495.59	2,499.51	—	—	—	—	1.00157	—	—	—	—
20-24	1,260.96	1,145.76	1,514.04	—	—	—	0.90864	1.32142	—	—	—
25-29	590.31	384.00	564.00	794.31	—	—	0.65050	1.46875	1.40835	—	—
30-34	465.99	281.59	186.39	438.84	519.75	—	0.60428	0.66191	2.35441	1.18437	—
35-39	402.36	272.16	138.04	108.79	384.00	337.71	0.67640	0.50720	0.78810	3,52973	0.87955
40-44	393.19	281.59	176.76	79.36	79.36	356.31	0.71617	0.62772	0.44897	1.00000	4.48979
45-49	429.75	319.11	224.71	138.04	59.64	69.51	0.74254	0.70417	0.61430	0.43204	1.16549
50-54	581.56	465.99	347.04	243.75	147.75	69.51	0.80127	0.74473	0.70236	0.60615	0.47045
55-59	1,002.31	939.75	819.00	668.16	510.84	365.56	0.93758	0.87150	0.81582	0.76454	0.71560
60-64	1,507.75	1,482.39	1,430.71	1,316.64	1,160.44	979.06	0.98318	0.96513	0.92027	0.88136	0.84364
65 and over	2,467.51	2,479.75	2,478.84	2,472.96	2,459.04	2,436.00	1.00496	0.99963	0.99762	0.99437	0.99063
Females											
15-19	2,497.11	2,498.79	—	—	—	—	1.00067	—	—	—	—
20-24	2,224.44	2,161.44	2,150.31	—	—	—	0.97168	0.99485	—	—	—
25-29	2,497.75	2,499.99	2,498.04	2,497.44	—	—	1.00090	0.99921	—	—	—
30-34	2,499.19	2,499.51	2,499.51	2,499.64	2,499.36	—	1.00013	1.00000	1.00005	0.99988	—
35-39	2,494.24	2,480.64	2,462.79	2,479.75	2,464.00	2,461.56	0.99455	0.99280	1.00688	0.99364	0.99900
40-44	2,471.91	2,451.00	2,417.19	2,381.19	2,417.19	2,383.36	0.99154	0.98620	0.98510	1.01511	0.98600
45-49	2,482.36	2,457.75	2,431.11	2,389.75	2,346.24	2,387.64	0.99009	0.98916	0.98298	0.98179	1.01764
50-54	2,499.75	2,496.39	2,483.19	2,465.19	2,436.00	2,403.96	0.99866	0.99471	0.99275	0.98815	0.98684
55-59	2,483.19	2,482.36	2,491.59	2,499.19	2,499.36	2,492.71	0.99967	1.00371	1.00305	1.00006	0.99733
60-64	2,381.19	2,381.19	2,379.00	2,401.99	2,431.11	2,452.39	1.00000	0.99908	1.00966	1.00834	1.00875
65 and over	1,664.79	1,682.04	1,670.56	1,676.31	1,704.76	1,738.24	1.01036	0.99317	1.00344	1.01697	1.01963

* Computations:

- (4) = (24) × preceding row (3)
 (5) = (25) × preceding row (4)
 (6) = (26) × preceding row (5)
 (7) = (27) × preceding row (6)
 (8) = (28) × preceding row (7)
 (9) = (3) × preceding row (2)
 (10) = (4) × preceding row (3)
 (11) = (5) × preceding row (4)
 (12) = (6) × preceding row (5)
 (13) = (7) × preceding row (6)
 (14) = (9) - 1
 (15) = (10) - 1
 (16) = (11) - 1
 (17) = (12) - 1
 (18) = (13) - 1
 (19) = (14) × (35)
 (20) = (15) × (36)

- (21) = (16) × (37)
 (22) = (17) × (38)
 (23) = (18) × (39)
 (24) = (19) + 1
 (25) = (20) + 1
 (26) = (21) + 1
 (27) = (22) + 1
 (28) = (23) + 1
 (29) = (2) × [100 - (2)]
 (30) = (3) × [100 - (3)]
 (31) = (4) × [100 - (4)]
 (32) = (5) × [100 - (5)]
 (33) = (6) × [100 - (6)]
 (34) = (7) × [100 - (7)]
 (35) = (30) : (29)
 (36) = (31) : (30)
 (37) = (32) : (31)
 (38) = (33) : (32)
 (39) = (34) : (33)

ANNEX VII

Japan: projection of the sex-age-specific activity rates of the population, 1965-1985: extrapolation by cohort

Sex and age	Activity rates							Cohort ratio ^a				
	Observed		Projected ^a									
	1955	1960	1965	1970	1975	1980	1985	1960/1955	1965/1960	1970/1965	1975/1970	1980/1975
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
<i>Males</i>												
15-19	52.1	50.7	—	—	—	—	—	—	—	—	—	—
20-24	85.2	86.8	84.5	—	—	—	—	1.666	1.666	—	—	—
25-29	93.7	96.0	97.8	95.2	—	—	—	1.127	1.127	1.127	—	—
30-34	95.1	97.1	99.5	101.3	98.6	—	—	1.036	1.036	1.036	1.036	—
35-39	95.8	97.2	99.2	101.7	103.5	100.8	—	1.022	1.022	1.022	1.022	1.022
40-44	95.9	97.1	98.5	100.5	103.0	104.8	102.1	1.014	1.013	1.013	1.013	1.013
45-49	95.5	96.7	97.9	99.3	101.3	103.8	105.6	1.008	1.008	1.008	1.008	1.008
50-54	93.8	95.1	96.3	97.5	98.9	100.9	103.4	0.996	0.996	0.996	0.996	0.996
55-59	88.7	89.5	90.7	91.9	93.0	94.4	96.3	0.954	0.954	0.954	0.954	0.954
60-64	81.5	81.9	82.6	83.7	84.8	85.8	87.1	0.923	0.923	0.923	0.923	0.923
65 and over	55.7	54.5	54.8	55.3	56.0	56.7	57.4	0.669	0.669	0.669	0.669	0.669
<i>Females</i>												
15-19	48.3	48.9	—	—	—	—	—	—	—	—	—	—
20-24	66.6	68.4	69.2	—	—	—	—	1.416	1.415	—	—	—
25-29	51.5	50.1	51.4	52.0	—	—	—	0.752	0.751	0.751	—	—
30-34	49.1	50.7	49.3	50.6	51.2	—	—	0.984	0.984	0.984	0.985	—
35-39	52.4	54.4	56.2	54.6	56.1	56.8	—	1.108	1.108	1.108	1.109	1.109
40-44	55.3	57.0	59.2	61.1	59.4	61.0	61.7	1.088	1.088	1.087	1.088	1.087
45-49	54.2	56.5	58.3	60.6	62.6	60.9	62.5	1.022	1.023	1.024	1.025	1.025
50-54	50.5	51.9	54.1	55.9	58.1	60.0	58.3	0.958	0.958	0.959	0.959	0.958
55-59	45.9	45.8	47.1	49.1	50.8	52.8	54.5	0.907	0.908	0.908	0.909	0.909
60-64	39.1	39.1	39.0	40.1	41.8	43.2	44.9	0.852	0.852	0.851	0.851	0.850
65 and over	21.1	21.4	21.4	21.3	21.9	22.8	23.5	0.547	0.546	0.546	0.546	0.545

^a Computations:

(9) = (3) : preceding age group (2)
 (10) = (4) : preceding age group (3)
 (11) = (5) : preceding age group (4)
 (12) = (6) : preceding age group (5)
 (13) = (7) : preceding age group (6)

(4) = (9) × preceding age group (3)
 (5) = (10) × preceding age group (4)
 (6) = (11) × preceding age group (5)
 (7) = (12) × preceding age group (6)
 (8) = (13) × preceding age group (7)

ANNEX VIII

Japan: projection of the sex-age-specific activity rates of the population, 1965-1985: method of ratios of contiguous age groups

Sex and age (1)	Activity rates				Ratios of contiguous age groups ^a				
	Observed		Projected ^a						
	1955 (2)	1960 (3)	1975 (4)	1985 (5)	1955 (6)	1960 (7)	1975 (8)	1975 (9)	1985 (10)
<i>Males</i>									
15-19	52.1	50.7	49.4	47.7	0.61150	0.58410	0.55793	0.55819	0.53343
20-24	85.2	86.8	88.5	89.4	0.90928	0.90416	0.89907	0.89939	0.89469
25-29	93.7	96.0	98.4	99.9	0.98527	0.98867	0.99208	0.99193	0.99519
30-34	95.1	97.1	99.2	100.4	0.99269	0.99897	1.00529	1.00506	1.01118
35-39	96.8	97.2	98.7	99.3	0.99895	1.00102	1.00309	1.00304	1.00506
40-44	95.9	97.1	98.4	98.8	—	—	—	—	—
45-49	95.5	96.7	98.0	98.4	0.99582	0.99588	0.99594	0.99593	0.99598
50-54	93.8	95.1	96.5	97.0	0.98219	0.98345	0.98471	0.98469	0.98593
55-59	88.7	89.5	90.4	90.4	0.94562	0.94111	0.93662	0.93678	0.93246
60-64	81.5	81.9	82.4	82.1	0.91882	0.91508	0.91135	0.91150	0.90793
65 and over	55.7	54.5	53.4	51.8	0.68343	0.66544	0.64792	0.64805	0.63111
<i>Females</i>									
15-19	48.3	48.9	51.6	52.8	0.72522	0.71491	0.70475	0.70491	0.69505
20-24	66.6	68.4	73.2	75.9	—	—	—	—	—
25-29	51.5	50.1	50.8	49.9	0.77327	0.73245	0.69378	0.69398	0.65753
30-34	49.1	50.7	54.6	57.0	0.95339	1.01197	1.07415	1.07580	1.14152
35-39	52.4	54.4	58.9	61.8	1.06720	1.07297	1.07877	1.07875	1.08455
40-44	55.3	57.0	61.3	63.9	1.05534	1.04779	1.04029	1.04074	1.03374
45-49	54.2	56.5	61.5	64.9	0.98010	0.99122	1.00247	1.00326	1.01543
50-54	50.5	51.9	55.7	58.0	0.93173	0.91858	0.90562	0.90569	0.89297
55-59	45.9	45.8	47.7	48.2	0.90891	0.88246	0.85678	0.85637	0.83105
60-64	39.1	39.1	40.8	41.3	0.85185	0.85371	0.85557	0.85534	0.85697
65 and over	21.1	21.4	22.6	23.2	0.53964	0.54731	0.55509	0.55392	0.56061

ANNEX VIII (continued)

Sex and age	Increase (decrease) in the ratios of contiguous age groups				Projected activity rates			Simple extrapolation			Increase (decrease)			
	1960/1955	1975/1960	1975/1960	1985/1975	1960	1975	1985	1965	1970	1980	1960/1975	5 years	1975/1985	5 years
(1)	(11)	(12)	(13)	(14)	(3)	(4)	(5)	(15)	(16)	(17)	(18)	(19)	(20)	(21)
Males														
15-19	0.955192	0.955192	0.95564	0.95564	50.7	49.4	47.7	50.3	49.8	48.6	-1.3	-0.43	-1.7	-0.85
20-24	0.994369	0.994369	0.99472	0.99472	86.8	88.5	89.4	87.4	87.9	89.0	1.7	0.57	0.9	0.45
25-29	1.003450	1.003450	1.00329	1.00329	96.0	98.4	99.9	96.8	97.6	99.2	2.4	0.80	1.5	0.75
30-34	1.006326	1.006326	1.00609	1.00609	97.1	99.2	100.4	97.8	98.5	99.8	2.1	0.70	1.2	0.60
35-39	1.002072	1.002072	1.00201	1.00201	97.2	98.7	99.3	97.7	98.2	99.0	1.5	0.50	0.6	0.30
40-44	—	—	—	—	97.1	98.4	98.8	97.5	98.0	98.6	1.3	0.43	0.4	0.20
45-49	1.000060	1.000060	1.00005	1.00005	96.7	98.0	98.4	97.1	97.6	98.2	1.3	0.43	0.4	0.20
50-54	1.001282	1.001282	1.00126	1.00126	95.1	96.5	97.0	95.6	96.0	96.8	1.4	0.47	0.5	0.25
55-59	0.995230	0.995230	0.99539	0.99539	89.5	90.4	90.4	89.8	90.1	90.4	0.9	0.30	0.0	0.00
60-64	0.995929	0.995929	0.99608	0.99608	81.9	82.4	82.1	82.1	82.2	82.3	0.5	0.17	-0.3	-0.15
65 and over	0.973676	0.973676	0.97386	0.97386	54.5	53.4	51.8	54.1	53.8	52.6	-1.1	-0.37	-1.6	-0.80
Females														
15-19	0.985783	0.985783	0.98601	0.98601	48.9	51.6	52.8	49.8	50.7	52.2	2.7	0.9	1.2	0.6
20-24	—	—	—	—	68.4	73.2	75.9	70.0	71.6	74.6	4.8	1.6	2.7	1.35
25-29	0.947211	0.947211	0.94747	0.94747	50.1	50.8	49.9	50.3	50.6	50.4	0.7	0.23	-0.9	-0.45
30-34	1.061443	1.061443	1.06208	1.06208	50.7	54.6	57.0	52.0	53.3	55.8	3.9	1.3	2.4	1.2
35-39	1.005406	1.005406	1.00538	1.00538	54.4	58.9	61.8	55.9	57.4	60.4	4.5	1.5	2.9	1.45
40-44	0.992845	0.992845	0.99327	0.99327	57.0	61.3	63.9	58.4	59.9	62.6	4.3	1.43	2.6	1.3
45-49	1.011345	1.011345	1.01214	1.01214	56.5	61.5	64.9	58.2	59.8	63.2	5.0	1.67	3.4	1.7
50-54	0.985886	0.985886	0.98596	0.98596	51.9	55.7	58.0	53.2	54.4	56.9	3.8	1.27	2.3	1.15
55-59	0.970899	0.970899	0.97043	0.97043	45.8	47.7	48.2	46.4	47.1	48.0	1.9	0.63	0.5	0.25
60-64	1.002183	1.002183	1.00190	1.00190	39.1	40.8	41.3	39.7	40.2	41.1	1.7	0.57	0.5	0.25
65 and over	1.014213	1.014213	1.01207	1.01207	21.4	22.6	23.2	21.8	22.2	22.9	1.2	0.4	0.6	0.3

* Computations:

The central age group is assumed to be 40-44 for males and 20-24 for females.

- (4) = (4) 40-44 × (8) 35-39 = (4) 35-39 etc.
 (5) = (5) 40-44 × (10) 35-39 = (5) 35-39 etc.
 (6) = (2) 35-39 : (2) 40-44; etc.
 (7) = (3) 35-39 : (3) 40-44; etc.
 (8) = (12) × (7); computed for the assumption in (12)
 (9) = (4) 35-39 : (4) 40-44; computed from the figures projected in (4)
 (10) = (14) × (9)
 (11) = (7) + (6)

- (12) = assumed to be the same as (11)
 (13) = (9) + (7)
 (14) = assumed to be the same as (13)
 (15) = (3) + (19)
 (16) = (15) + (19)
 (17) = (4) + (21)
 (18) = (4) - (3)
 (19) = (18) : 3
 (20) = (5) - (4)
 (21) = (20) : 2