

Research-data
A No. 3

Estimation of Future Population of
Japan from 1935 to 2025

-- estimated in 1940 --

by

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The Estimation of Future Population of Japan

(from 1935 to 2025)

I. Hypothesis.

a. Birth Rate:-

According to specific birth-rate by age of women (15 years — 49 years) 1935, let us suppose that each birth-rate will decrease every five years in proportion to 30%, 15 — 19; 13%, 20 — 24; 5%, 25 — 29; 5%, 30 — 34; 7%, 35 — 39; 6%, 40 — 44; and 3%, 45 — 49. These birth-rates are set by considering the falling tendency of birth rate of these few years.

b. Death-rate:-

According to specific death-rate by sex and age which is calculated by the sixth life table (in 1935 - 36), we suppose that the rate will be decreasing every five years in future in proportion to 20% at the age of before twelve months, 10%, 1 — 49 and 5% at the age of more than fifty, but the decreasing of death-rate will stop for thirty years. These death-rates as well as the birth-rates are set by considering the falling tendency of death-rate of these few years.

c. Others:-

1. Suppose there is no migration.
2. Suppose the birth proportion 3, masculine to feminine is the same one as in 1937 — masculine 51,13 to feminine 48,86 per 100.

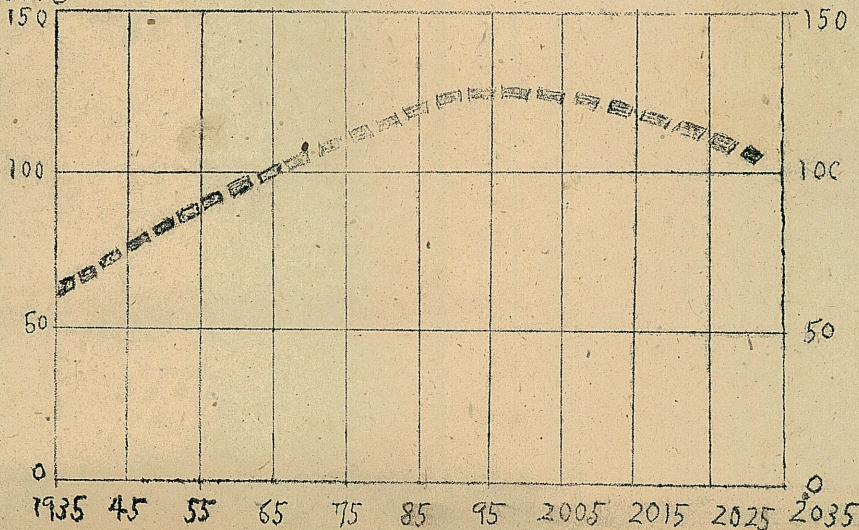
II. Future Population

Table 1, Population by sex

	Total	Masculine	Feminine
1935	69,254,148	34,734,153	34,520,015
40	73,939,278	37,093,597	36,845,681
45	78,985,589	39,635,521	39,350,068
50	84,336,487	42,329,807	42,006,680
55	90,107,431	45,255,177	44,852,254
60	95,935,701	48,209,923	47,745,778
65	101,608,567	51,076,848	50,531,719
70	106,857,962	53,755,992	53,121,990
75	111,453,360	56,033,755	55,419,625
80	115,379,596	57,979,567	57,400,029
85	118,554,200	59,503,268	59,045,932
90	120,914,010	60,631,106	60,282,904
95	122,328,464	61,275,053	61,053,441
2000	122,741,777	61,414,692	61,327,085
2005	122,186,682	61,063,099	61,123,583
10	120,737,750	60,265,738	60,471,962
15	118,492,685	59,073,659	59,419,046
20	115,465,386	57,461,006	58,004,380
2025	111,776,766	55,539,418	56,237,348

Fig. One

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Fig. One

Population has reached the greatest amount in 2000, and gradually decreases. The proportion of masculine to feminine becomes opposite and feminine population becomes more than masculine one, as now seen in European countries.

Table 2, Population by sex and year of age.

a. 1935

Age Group	Total	Masculine	Feminine
Total	69,254,148	34,734,133	34,520,015
0 - 4	9,323,501	4,714,001	4,614,500
5 - 9	8,531,419	4,303,263	4,228,156
10-14	7,685,247	3,876,774	3,808,473
15-19	6,640,917	3,350,713	3,290,204
20-24	6,071,071	3,036,785	3,034,288
25-29	5,240,083	2,670,248	2,569,835
30-34	4,632,637	2,379,492	2,253,145
35-39	4,045,846	2,093,446	1,952,400
40-44	3,406,011	1,767,627	1,638,384
45-49	3,112,834	1,591,179	1,521,655
50-54	2,832,875	1,404,376	1,428,499
55-59	2,571,137	1,255,092	1,316,045
60-64	1,930,611	916,320	1,013,791
65-69	1,387,092	630,008	757,084
70-74	913,423	394,223	519,200
75-79	561,904	224,829	336,975
80-84	263,979	95,043	168,736
85-89	82,255	25,930	56,325
90-94	14,621	3,884	10,737
95 and over	1,785	402	1,383

b. 1975

Age Group	Total	Masculine	Feminine
Total	111,453,360	56,033,755	55,419,625
0 - 4	10,233,594	5,227,368	5,006,226
5 - 9	10,036,603	5,129,446	4,907,157
10-14	10,114,174	5,185,215	4,928,959
15-19	10,016,385	5,121,297	4,895,088
20-24	9,557,974	4,834,310	4,673,664
25-29	8,885,569	4,535,815	4,349,754
30-34	8,177,168	4,141,950	4,035,218
35-39	7,665,598	3,905,440	3,760,158
40-44	7,344,431	3,719,233	3,625,243
45-49	6,871,071	3,350,713	3,520,358
50-54	6,071,071	3,036,785	3,034,286
55-59	5,240,083	2,670,248	2,569,835
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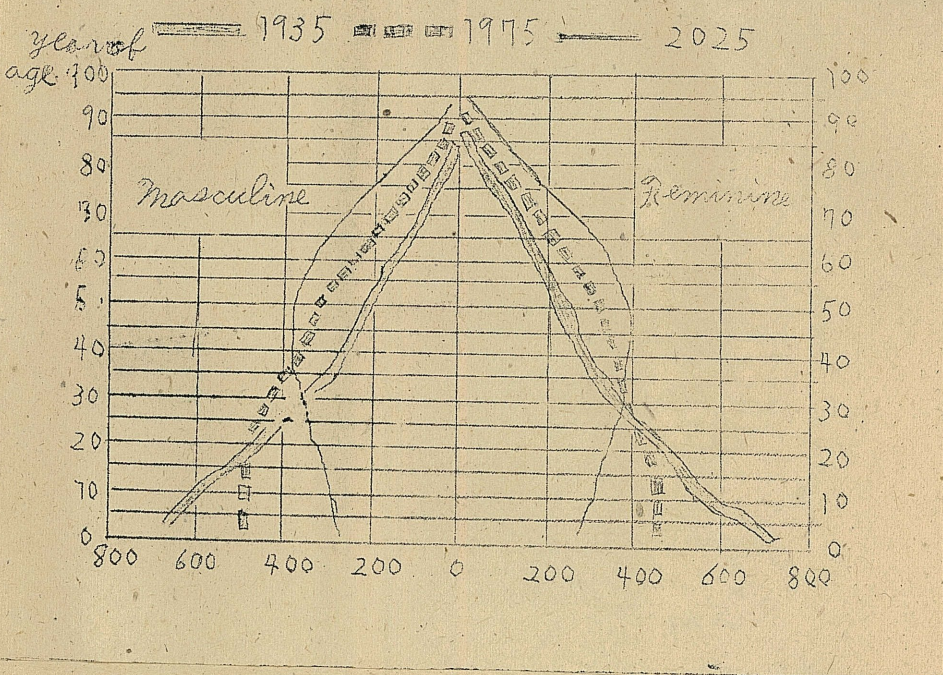
45-49	6,942,194	3,511,656	3,430,538
50-54	5,944,302	2,978,304	2,965,998
55-59	4,783,352	2,343,158	2,440,194
60-64	4,083,354	1,950,329	2,132,825
65-69	3,094,550	1,444,934	1,649,586
70-74	2,219,998	999,608	1,219,390
75-79	1,378,992	585,146	793,846
80-84	671,123	266,794	404,329
85-89	252,870	86,602	166,268
90-94	48,337	15,743	33,094
95 and over	3,242	1,152	2,090

c. 2025

Age Group	Total	Male	Female
Total	111,776,766	55,539,418	56,237,348
0 - 4	5,407,783	3,019,135	2,388,650
5 - 9	6,245,607	3,189,920	3,055,687
10-14	6,721,308	3,434,009	3,287,299
15-19	7,112,832	3,641,196	3,471,642
20-24	7,426,734	3,802,526	3,624,208
25-29	7,680,506	3,904,913	3,775,588
30-34	7,979,219	4,057,691	3,921,528
35-39	8,205,076	4,175,822	4,029,254
40-44	8,255,038	4,208,319	4,046,719
45-49	8,144,520	4,133,532	4,101,988
50-54	7,858,830	3,952,836	3,905,994
55-59	7,416,602	3,669,142	3,747,460
60-64	6,827,766	3,322,376	3,505,390
65-69	5,691,601	2,756,186	3,135,415
70-74	4,614,065	2,074,492	2,539,567
75-79	3,073,327	1,293,849	1,779,478
80-84	1,639,262	633,127	1,006,135
85-89	635,756	220,087	413,669
90-94	131,897	44,655	87,242
95 and over	9,031	3,596	5,435

Fig. Two

Fig Two (Total per 10,000).



The age composition of population show the tendency of decreasing in younger ages and of increasing in older ages.

Fig. Two

Total per 10,000

1935 1975 2025

Fig. Two

Total per 10,000

— 1935 — 1975 — 2025

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Total per 10,000

— 1935 — 1975 — 2025