

# World Population

*An Analysis of Vital Data*

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**TABLE 1**  
DATA

AGE AT LAST BIRTHDAY	BOTH SEXES	POPULATION				BIRTHS		DEATHS		AGE AT LAST BIRTHDAY
		MALES		FEMALES		BY AGE OF MOTHER	BOTH SEXES	MALES	FEMALES	
		Number	%	Number	%					
0	1976310	1002198	2.8	974112	2.7					
1-4	7040661	3560861	9.9	3479800	9.6	0	193962	105854	88108	0
5-9	8726954	4409497	12.2	4317457	12.0	0	143581	73392	70189	1-4
10-14	8306208	4190675	11.6	4115533	11.4	0	34837	17581	17256	5-9
15-19	7340636	3682703	10.2	3657933	10.1	194	24636	10824	13812	10-14
20-24	6047488	3030013	8.4	3017475	8.4	42173	59697	29499	30198	15-19
25-29	5602895	2813826	7.8	2789069	7.7	431847	56009	28379	27630	20-24
30-34	4900522	2485963	6.9	2414559	6.7	654110	46899	23508	23391	25-29
35-39	4377728	2240113	6.2	2137615	5.9	507298	37657	18815	18842	30-34
40-44	3793397	1957943	5.4	1835454	5.1	315626	35683	18026	17657	35-39
45-49	3168412	1631437	4.5	1536975	4.3	122438	35360	19061	16299	40-44
50-54	2853094	1441031	4.0	1412063	3.9	12552	37657	21920	15737	45-49
55-59	2527994	1226108	3.4	1301886	3.6	2003	47876	28331	19545	50-54
60-64	2199353	1036577	2.9	1162776	3.2	0	60384	35766	24618	55-59
65-69	1533161	693141	1.9	840020	2.3	0	76428	44660	31768	60-64
70-74	979414	415195	1.1	564219	1.6	0	78655	43510	35145	65-69
75-79	538315	213252	0.6	325063	0.9		80250	40599	39651	70-74
80-84	250338	89562	0.2	160776	0.4	1074488 M.	66062	30277	35785	75-79
85+	101716	30726	0.1	70990	0.2	1023753 F.	47710	19228	28482	80-84
TOTAL	72264596	36150821		36113775			28474	9501	18973	85+
TOTAL						2098241	1191817	618731	573086	TOTAL

**TABLE 2**  
MALE LIFE TABLE

x	$nq_x$	$l_x$	$n'd_x$	$nL_x$	$n'm_x$	$n^2q_x$	$T_x$	$r_x$	$e_x$	$nM_x$	x
0	0.099123	100000	9912	93975	0.105478	0.3921	4771219	0.0022	47.712	0.105622	0
1	0.078041	90088	7031	341444	0.020591	1.3108	4577245	0.0022	51.919	0.020611	1
5	0.019720	83057	1638	411191	0.003983	2.5000	4335800	0.0012	52.203	0.003987	5
10	0.012897	81419	1050	404791	0.002594	2.8047	3924609	0.0138	48.202	0.002583	10
15	0.039489	80369	3174	394429	0.008046	2.6630	3519818	0.0253	43.796	0.008010	15
20	0.045762	77196	3533	377112	0.009367	2.4904	3125389	0.0179	40.487	0.009366	20
25	0.040876	73663	3011	360597	0.008350	2.4371	2748276	0.0114	37.309	0.008354	25
30	0.037127	70652	2623	346634	0.007567	2.4742	2387679	0.0150	33.795	0.007568	30
35	0.039486	68029	2686	333531	0.008054	2.5382	2041045	0.0156	30.003	0.008047	35
40	0.047675	65343	3115	319211	0.009759	2.5919	1707514	0.0216	26.132	0.009735	40
45	0.065257	62227	4061	301475	0.013470	2.6208	1388303	0.0168	22.310	0.013436	45
50	0.094025	58167	5469	277811	0.019687	2.6191	1086828	0.0083	18.685	0.019660	50
55	0.136367	52697	7186	246234	0.029184	2.5992	809017	0.0030	15.352	0.029170	55
60	0.195318	45511	8889	205913	0.043170	2.5653	562783	0.0128	12.366	0.043084	60
65	0.272267	36622	9971	158511	0.062904	2.5329	356870	0.0128	9.745	0.062772	65
70	0.392557	26651	10462	106769	0.097988	2.4684	198359	0.0128	7.443	0.097783	70
75	0.517748	16189	8382	58913	0.142274	2.3715	91590	0.0128	5.658	0.141977	75
80	0.677791	7807	5292	24585	0.215241	2.2690	32677	0.0128	4.185	0.214690	80
85+	1.000000	2516	2516	8092	0.310872	3.2168	8092	0.0128	3.217	0.309217	85+

**TABLE 3**  
FEMALE LIFE TABLE

x	$nq_x$	$l_x$	$n'd_x$	$nL_x$	$n'm_x$	$n^2q_x$	$T_x$	$r_x$	$e_x$	$nM_x$	x
0	0.085715	100000	8572	94899	0.090323	0.4049	5053806	0.0024	50.538	0.090450	0
1	0.076515	91428	6996	347155	0.020151	1.3471	4958907	0.0024	54.238	0.020170	1
5	0.019778	84433	1670	417989	0.003995	2.5000	4611752	0.0005	54.620	0.003997	5
10	0.016705	82763	1383	410699	0.003366	2.7465	4193762	0.0119	50.672	0.003356	10
15	0.040626	81380	3306	399076	0.008285	2.6331	3783064	0.0237	46.486	0.008255	15
20	0.044756	78074	3494	381584	0.009157	2.4853	3383988	0.0139	43.343	0.009157	20
25	0.041036	74580	3060	365090	0.008383	2.4484	3002404	0.0186	36.876	0.008387	25
30	0.038262	71519	2736	350698	0.007803	2.4790	2637314	0.0182	34.258	0.007803	30
35	0.040489	68783	2785	336980	0.008264	2.5100	2286615	0.0192	33.244	0.008260	35
40	0.043493	65998	2870	322892	0.008890	2.5271	1949635	0.0240	29.541	0.008880	40
45	0.050029	63128	3158	307981	0.010255	2.5757	1626743	0.0155	25.769	0.010239	45
50	0.067002	59969	4018	290198	0.013846	2.5985	1318762	0.0026	21.991	0.013841	50
55	0.090449	55951	5061	267630	0.018909	2.6039	1028565	0.0000	18.383	0.018909	55
60	0.128532	50891	6541	238807	0.027391	2.6081	760935	0.0154	14.952	0.027321	60
65	0.190650	44349	8455	201493	0.041963	2.6045	522127	0.0154	11.773	0.041838	65
70	0.300425	35894	10784	153006	0.070478	2.5457	320634	0.0154	8.933	0.070276	70
75	0.431020	25111	10823	98044	0.110392	2.4583	167629	0.0154	6.676	0.110086	75
80	0.602949	14287	8615	48490	0.177659	2.3754	69585	0.0154	4.870	0.177153	80
85+	1.000000	5673	5673	21095	0.268915	3.7186	21095	0.0154	3.719	0.267262	85+

**TABLE 4**  
OBSERVED AND PROJECTED VITAL RATES

RATES PER THOUSAND	OBSERVED POPULATION			PROJECTED POPULATION				STABLE POPULATION			
	BOTH SEXES	MALES	FEMALES	1945		1950		1955		MALES	FEMALES
Birth	29.04	29.72	28.35	30.45	29.06	31.30	29.89	31.66	30.26	29.81	28.61
Death	16.49	17.12	15.87	17.21	15.95	17.38	16.15	17.43	16.23	17.94	16.75
Increase	12.54	12.61	12.48	13.24	13.11	13.92	13.74	14.23	14.03		11.8648
PERCENTAGE											
under 15	36.05	36.41	35.68	35.13	34.26	34.50	33.55	34.99	33.96	34.22	33.36
15-64	59.24	59.60	58.89	60.69	59.99	61.35	60.66	60.97	60.41	61.25	60.35
65 and over	4.71	3.99	5.43	4.18	5.74	4.14	5.79	4.04	5.63	4.53	6.29
DEP. RATIO X 100	68.80	67.79	69.82	64.78	66.68	62.99	64.85	64.03	65.53	63.27	65.70

**TABLE 1**  
DATA

AGE AT LAST BIRTHDAY	BOTH SEXES	POPULATION				BIRTHS		DEATHS		AGE AT LAST BIRTHDAY
		MALES		FEMALES		BY AGE OF MOTHER	BOTH SEXES	MALES	FEMALES	
		Number	%	Number	%					
0	2183417	1115917	2.7	1067500	2.5	0	120856	65737	55119	0
1-4	9677833	4933583	11.9	4744250	11.1	0	73831	37792	36039	1-4
5-9	8983084	4554917	11.0	4428167	10.3	0	17228	9267	7961	5-9
10-14	8797917	4446500	10.8	4351417	10.1	29	9038	4585	4453	10-14
15-19	8683583	4383583	10.6	4300000	10.0	46721	17278	8932	8346	15-19
20-24	7833833	3889250	9.4	3944583	9.2	569236	28536	14991	13545	20-24
25-29	6444000	2989167	7.2	3454833	8.0	760788	27354	13370	13984	25-29
30-34	5176250	2318917	5.6	2857333	6.7	467296	22481	10479	12002	30-34
35-39	5106500	2394500	5.8	2712000	6.3	243287	24126	11854	12272	35-39
40-44	4644000	2255083	5.5	2388917	5.6	69241	26807	14220	12587	40-44
45-49	3944500	1994667	4.8	1949833	4.5	3286	31264	17647	13617	45-49
50-54	3480583	1763833	4.3	1716750	4.0	206	38800	22447	16353	50-54
55-59	2823917	1418417	3.4	1405500	3.3	31	47220	27895	19325	55-59
60-64	2338666	1130833	2.7	1207833	2.8	0	59579	34390	25189	60-64
65-69	1740333	783833	1.9	956500	2.2	0	73140	39834	33306	65-69
70-74	1280834	541167	1.3	739667	1.7		82545	41594	40951	70-74
75-79	737500	288667	0.7	448833	1.0		69704	31685	38019	75-79
80-84	294884	106018	0.3	188866	0.4	1108606 M.	42027	16723	25304	80-84
85+	88200	25899	0.1	62301	0.1	1051515 F.	24502	8166	16336	85+
TOTAL	84259834	41334751		42925083		2160121	836316	431608	404708	TOTAL

**TABLE 2**  
MALE LIFE TABLE

$x$	$nq_x$	$l_x$	$n d_x$	$nL_x$	$n m_x$	$n a_x$	$T_x$	$r_x$	$i_x$	$n M_x$	$x$
0	0.056760	100000	5676	96353	0.058908	0.3574	5941733	0.0000	59.417	0.058908	0
1	0.030005	94324	2830	369467	0.007660	1.2337	5845380	0.0000	61.971	0.007660	1
5	0.009962	91494	911	455190	0.002002	2.5000	5475913	0.0277	59.850	0.002035	5
10	0.005143	90582	466	451748	0.001031	2.5024	5020723	0.0024	55.427	0.001031	10
15	0.010175	90117	917	448550	0.002044	2.7830	4568975	0.0112	50.701	0.002038	15
20	0.019184	89200	1711	441933	0.003872	2.6243	4120425	0.0347	46.193	0.003854	20
25	0.022151	87488	1938	432639	0.004479	2.5216	3678492	0.0473	42.046	0.004473	25
30	0.022352	85550	1912	422994	0.004521	2.5117	3245854	0.0176	37.941	0.004519	30
35	0.024458	83638	2046	413208	0.004951	2.5637	2822860	0.0000	33.751	0.004951	35
40	0.031107	81593	2538	401907	0.006315	2.6139	2409652	0.0118	29.533	0.006306	40
45	0.043426	79055	3433	387138	0.008868	2.6305	2007745	0.0155	25.397	0.008847	45
50	0.061995	75622	4688	367067	0.012772	2.6449	1620607	0.0208	21.430	0.012726	50
55	0.094364	70933	6694	338869	0.019753	2.6398	1253540	0.0241	17.672	0.019666	55
60	0.142914	64240	9181	299465	0.030657	2.6326	914672	0.0405	14.238	0.030411	60
65	0.227709	55059	12537	244909	0.051192	2.5764	615207	0.0405	11.174	0.050820	65
70	0.323984	42522	13776	178129	0.077339	2.4972	370298	0.0405	8.708	0.076860	70
75	0.429797	28745	12355	111887	0.110420	2.4229	192169	0.0405	6.685	0.109763	75
80	0.561531	16391	9204	57867	0.159052	2.3830	80282	0.0405	4.898	0.157738	80
85+	*1.000000	7187	7187	22415	0.320628	3.1189	22415	0.0405	3.119	0.315302	85+

**TABLE 3**  
FEMALE LIFE TABLE

$x$	$nq_x$	$l_x$	$n d_x$	$nL_x$	$n m_x$	$n a_x$	$T_x$	$r_x$	$i_x$	$n M_x$	$x$
0	0.050008	100000	5001	96851	0.051634	0.3702	6274724	0.0000	62.747	0.051634	0
1	0.029766	94999	2828	372246	0.007596	1.2590	6177873	0.0000	65.031	0.007596	1
5	0.008802	92172	811	458829	0.001768	2.5000	5805627	0.0260	62.987	0.001798	5
10	0.005104	91360	466	455650	0.001023	2.5307	5346797	0.0015	58.524	0.001023	10
15	0.009682	90894	880	452493	0.001945	2.7534	4891148	0.0078	53.812	0.001941	15
20	0.017070	90014	1537	446415	0.003442	2.6213	4438655	0.0186	49.311	0.003434	20
25	0.020060	88477	1775	438005	0.004052	2.5313	3992240	0.0283	45.122	0.004048	25
30	0.020795	86702	1803	429031	0.004202	2.5146	3554235	0.0200	40.993	0.004200	30
35	0.022391	84900	1901	419820	0.004528	2.5397	3125204	0.0133	36.811	0.004525	35
40	0.026082	82999	2165	409765	0.005283	2.5851	2705384	0.0275	32.596	0.005269	40
45	0.034456	80834	2785	397515	0.007006	2.6109	2295619	0.0259	28.399	0.006984	45
50	0.046726	78049	3647	381581	0.009557	2.6249	1898104	0.0229	24.320	0.009526	50
55	0.066812	74402	4971	360269	0.013798	2.6383	1516523	0.0209	20.383	0.013750	55
60	0.100067	69431	6948	330855	0.020999	2.6541	1156254	0.0345	16.653	0.020855	60
65	0.161787	62483	10109	288371	0.035055	2.6215	825399	0.0345	13.210	0.034821	65
70	0.245193	52374	12842	230553	0.055700	2.5613	537029	0.0345	10.254	0.055364	70
75	0.351283	39532	13887	162961	0.085217	2.5012	306476	0.0345	7.753	0.084706	75
80	0.503868	25645	12922	95679	0.135053	2.4812	143515	0.0345	5.596	0.133979	80
85+	*1.000000	12723	12723	47836	0.265983	3.7596	47836	0.0345	3.760	0.262211	85+

**TABLE 4**  
OBSERVED AND PROJECTED VITAL RATES

RATES PER THOUSAND	OBSERVED POPULATION			PROJECTED POPULATION				STABLE POPULATION			
	BOTH SEXES	MALES	FEMALES	1956		1961		1966		MALES	FEMALES
Birth	25.64	26.82	24.50	27.39	25.17	27.15	25.10	26.28	24.42	24.26	23.34
Death	9.93	10.44	9.43	10.46	9.54	10.70	9.81	10.84	9.95	12.91	11.99
Increase	15.71	16.38	15.07	16.93	15.63	16.46	15.29	15.45	14.47		11.3462
PERCENTAGE											
under 15	35.18	36.41	33.99	35.36	32.98	35.15	32.81	33.00	30.90	30.64	29.70
15-64	59.90	59.36	60.43	60.13	61.20	60.16	61.30	62.07	63.04	62.82	61.94
65 and over	4.92	4.22	5.58	4.51	5.82	4.70	5.89	4.93	6.06	6.54	8.36
DEP. RATIO X 100	66.93	68.45	65.49	66.30	63.41	66.23	63.13	61.10	58.63	59.18	61.46

**TABLE 1**  
DATA

AGE AT LAST BIRTHDAY	BOTH SEXES	POPULATION				BIRTHS		DEATHS			AGE AT LAST BIRTHDAY
		MALES		FEMALES		BY AGE OF MOTHER	BOTH SEXES	MALES	FEMALES		
		Number	%	Number	%						
0	1758417	900917	2.1	857500	1.9	0	79731	43551	36180	0	
1-4	8215833	4194583	9.7	4021250	9.0	0	40788	21090	19698	1-4	
5-9	10290084	5239917	12.1	5050167	11.3	0	15041	8309	6732	5-9	
10-14	9602917	4860500	11.2	4742417	10.6	18	6866	3752	3114	10-14	
15-19	8640583	4364583	10.1	4276000	9.6	28157	11849	6737	5112	15-19	
20-24	8315833	4174250	9.7	4141583	9.3	479585	20720	11832	8888	20-24	
25-29	7368000	3611167	8.4	3756833	8.4	694634	20710	11183	9527	25-29	
30-34	5833250	2607917	6.0	3225333	7.2	389813	17466	8339	9127	30-34	
35-39	4992500	2292500	5.3	2700000	6.0	155970	17606	8609	8997	35-39	
40-44	4884000	2314083	5.4	2569917	5.7	39226	21886	11474	10412	40-44	
45-49	4226500	2082667	4.8	2143833	4.8	1881	27437	15489	11948	45-49	
50-54	3773583	1897833	4.4	1875750	4.2	128	37214	21822	15392	50-54	
55-59	3076917	1545417	3.6	1531500	3.4	24	46295	27919	18376	55-59	
60-64	2438666	1192833	2.8	1245833	2.8	0	56894	33848	23046	60-64	
65-69	1904333	881833	2.0	1022500	2.3	0	70980	39886	31094	65-69	
70-74	1354834	575167	1.3	779667	1.7	0	82416	42239	40177	70-74	
75-79	839500	328667	0.8	510833	1.1	919467 M.	78097	36112	41985	75-79	
80-84	354032	125360	0.3	228672	0.5	869969 F.	47966	19573	28393	80-84	
85+	112052	31557	0.1	80495	0.2		29226	9823	19403	85+	
TOTAL	87981834	43221751		44760083		1789436	729188	381587	347601	TOTAL	

**TABLE 2**  
MALE LIFE TABLE

$x$	$nq_x$	$l_x$	$n^d_x$	$n^L_x$	$n^m_x$	$n^a_x$	$T_x$	$t_x$	$e_x$	$nM_x$	$x$
0	0.046836	100000	4684	96886	0.048341	0.3352	6253749	0.0000	62.537	0.048341	0
1	0.019832	95316	1890	375966	0.005028	1.1961	6156863	0.0000	64.594	0.005028	1
5	0.007888	93426	737	465288	0.001584	2.5000	5780897	0.0025	61.877	0.001586	5
10	0.003851	92689	357	462548	0.000772	2.4859	5315609	0.0172	57.349	0.000772	10
15	0.007720	92332	713	460074	0.001549	2.7733	4853061	0.0136	52.561	0.001544	15
20	0.014103	91619	1292	455007	0.002840	2.6091	4392987	0.0163	47.948	0.002835	20
25	0.015382	90327	1389	448188	0.003100	2.5182	3937980	0.0440	43.597	0.003097	25
30	0.015891	88938	1413	441206	0.003203	2.5354	3489792	0.0422	39.239	0.003198	30
35	0.018622	87524	1630	433692	0.003758	2.5886	3048586	0.0081	34.831	0.003755	35
40	0.024522	85895	2106	424507	0.004962	2.6424	2614894	0.0044	30.443	0.004958	40
45	0.036630	83788	3069	411774	0.007453	2.6648	2190387	0.0121	26.142	0.007437	45
50	0.056172	80719	4534	393003	0.011537	2.6638	1778613	0.0179	22.035	0.011498	50
55	0.087085	76185	6635	365333	0.018160	2.6499	1385610	0.0276	18.187	0.018066	55
60	0.133849	69550	9309	325674	0.028585	2.6283	1020276	0.0387	14.670	0.028376	60
65	0.205329	60241	12369	271460	0.045566	2.5952	694603	0.0387	11.530	0.045231	65
70	0.312483	47872	14959	202337	0.073932	2.5251	423143	0.0387	8.839	0.073438	70
75	0.430544	32913	14170	128198	0.110536	2.4336	220806	0.0387	6.709	0.109874	75
80	0.557297	18742	10445	66376	0.157363	2.3829	92608	0.0387	4.941	0.156135	80
85+	*1.000000	8297	8297	26232	0.316299	3.1616	26232	0.0387	3.162	0.311278	85+

**TABLE 3**  
FEMALE LIFE TABLE

$x$	$nq_x$	$l_x$	$n^d_x$	$n^L_x$	$n^m_x$	$n^a_x$	$T_x$	$t_x$	$e_x$	$nM_x$	$x$
0	0.041061	100000	4106	97319	0.042192	0.3471	6649152	0.0000	66.492	0.042192	0
1	0.019330	95894	1854	378414	0.004898	1.2153	6551833	0.0000	68.324	0.004898	1
5	0.006640	94040	624	468640	0.001332	2.5000	6173420	0.0008	65.647	0.001333	5
10	0.003275	93416	306	466300	0.000656	2.4540	5704780	0.0157	61.069	0.000657	10
15	0.005980	93110	557	464299	0.001199	2.7557	5238480	0.0123	56.261	0.001196	15
20	0.010691	92553	989	460416	0.002149	2.6260	4774181	0.0109	51.583	0.002146	20
25	0.012617	91564	1155	454988	0.002539	2.5511	4313765	0.0225	47.112	0.002536	25
30	0.014076	90408	1273	448926	0.002835	2.5524	3858776	0.0302	42.682	0.002830	30
35	0.016551	89136	1475	442092	0.003337	2.5692	3409850	0.0194	38.255	0.003332	35
40	0.020106	87660	1762	434082	0.004060	2.6060	2967758	0.0189	33.855	0.004051	40
45	0.027612	85898	2372	423896	0.005595	2.6417	2533676	0.0257	29.496	0.005573	45
50	0.040412	83526	3375	409676	0.008239	2.6436	2109781	0.0252	25.259	0.008206	50
55	0.058630	80151	4699	389704	0.012058	2.6488	1700104	0.0284	21.211	0.011999	55
60	0.089224	75451	6732	361492	0.018623	2.6583	1310400	0.0337	17.367	0.018498	60
65	0.142833	68719	9815	320484	0.030627	2.6453	948908	0.0337	13.808	0.030410	65
70	0.230504	58904	13578	261766	0.051869	2.5877	628424	0.0337	10.669	0.051581	70
75	0.342694	45326	15533	187896	0.082668	2.5063	366658	0.0337	8.089	0.082189	75
80	0.471459	29793	14046	112538	0.124813	2.5032	178761	0.0337	6.000	0.124165	80
85+	1.000000	15747	15747	66223	0.237787	4.2054	66223	0.0337	4.205	0.241047	85+

**TABLE 4**  
OBSERVED AND PROJECTED VITAL RATES

RATES PER THOUSAND	OBSERVED POPULATION			PROJECTED POPULATION				STABLE POPULATION			
	BOTH SEXES	MALES	FEMALES	1959		1964		1969			
				MALES	FEMALES	MALES	FEMALES	MALES	FEMALES		
Birth	20.34	21.27	19.44	21.82	20.00	22.03	20.27	22.21	20.50	18.03	17.06
Death	8.29	8.83	7.77	9.13	8.17	9.56	8.60	9.91	8.93	14.57	13.60
Increase	12.05	12.44	11.67	12.69	11.83	12.47	11.67	12.30	11.57		3.4572
PERCENTAGE											
under 15	33.95	35.16	32.78	32.10	29.82	29.38	27.28	28.01	26.05	24.61	23.45
15-64	60.86	60.35	61.36	63.04	63.98	65.39	66.21	66.36	67.01	65.66	64.02
65 and over	5.19	4.49	5.86	4.86	6.19	5.23	6.51	5.63	6.94	9.73	12.53
DEP. RATIO X 100	64.30	65.71	62.96	58.64	56.29	52.94	51.04	50.68	49.22	52.30	56.21

**TABLE 1**  
DATA

AGE AT LAST BIRTHDAY	BOTH SEXES	POPULATION				BIRTHS		DEATHS		AGE AT LAST BIRTHDAY
		MALES		FEMALES		BY AGE OF MOTHER	BOTH SEXES	MALES	FEMALES	
		Number	%	Number	%					
0	1569044	804245	1.8	764799	1.7	0	62476	34605	27871	0
1-4	6902809	3529802	7.9	3373007	7.3	0	23638	12510	11128	1-4
5-9	11145338	5687694	12.7	5457644	11.8	0	12292	7013	5279	5-9
10-14	9403864	4774856	10.7	4629008	10.0	13	5773	3275	2498	10-14
15-19	8962825	4525676	10.1	4437149	9.6	19967	10388	6078	4310	15-19
20-24	8583290	4292307	9.6	4290983	9.3	446504	17946	10512	7434	20-24
25-29	7880550	3924677	8.8	3955873	8.6	698471	18032	10157	7875	25-29
30-34	6712873	3200408	7.2	3512465	7.6	329265	16793	8692	8101	30-34
35-39	5281272	2351440	5.3	2929832	6.3	109475	15945	7880	8065	35-39
40-44	4973923	2316222	5.2	2657701	5.8	23476	19733	10406	9327	40-44
45-49	4599777	2205067	4.9	2394710	5.2	1217	27538	15469	12069	45-49
50-54	3877065	1929908	4.3	1947157	4.2	82	36068	21446	14622	50-54
55-59	3401068	1700715	3.8	1700353	3.7	17	49178	30166	19012	55-59
60-64	2651827	1303976	2.9	1347851	2.9	0	60146	36635	23511	60-64
65-69	2036130	958383	2.1	1077747	2.3	0	74347	42977	31370	65-69
70-74	1406960	606223	1.4	800737	1.7	0	85793	44921	40872	70-74
75-79	902214	352508	0.8	549706	1.2	0	86955	40755	46200	75-79
80-84	419974	147024	0.3	272950	0.6	836679 M.	62263	25630	36633	80-84
85+	148890	44335	0.1	104555	0.2	791808 F.	35060	11720	23340	85+
TOTAL	90859693	44655466		46204227		1628487	720364	380847	339517	TOTAL

**TABLE 2**  
MALE LIFE TABLE

$x$	$nq_x$	$l_x$	$n d_x$	$nL_x$	$n m_x$	$n a_x$	$T_x$	$r_x$	$i_x$	$n M_x$	$z$
0	0.041788	100000	4179	97119	0.043028	0.3106	6383225	0.0000	63.832	0.043028	0
1	0.014035	95821	1345	379468	0.003544	1.1623	6286106	0.0000	65.602	0.003544	1
5	0.006146	94476	581	470930	0.001233	2.5000	5906638	0.0000	62.520	0.001233	5
10	0.003426	93896	322	468684	0.000686	2.5307	5435708	0.0219	57.891	0.000686	10
15	0.006712	93574	628	466469	0.001346	2.7691	4967024	0.0092	53.081	0.001343	15
20	0.012189	92946	1133	462012	0.002452	2.6017	4500556	0.0120	48.421	0.002449	20
25	0.012865	91813	1181	456131	0.002589	2.5164	4038543	0.0268	43.987	0.002588	25
30	0.013528	90632	1226	450158	0.002724	2.5526	3582412	0.0484	39.527	0.002716	30
35	0.016674	89406	1491	443454	0.003362	2.6018	3132254	0.0289	35.034	0.003351	35
40	0.022236	87915	1955	434997	0.004494	2.6580	2688800	0.0017	30.584	0.004493	40
45	0.034586	85960	2973	422900	0.007030	2.6788	2253804	0.0110	26.219	0.007015	45
50	0.054311	82987	4507	404446	0.011144	2.6726	1830904	0.0144	22.063	0.011112	50
55	0.085474	78480	6708	376671	0.017809	2.6553	1426458	0.0208	18.176	0.017737	55
60	0.132457	71772	9507	336336	0.028265	2.6308	1049787	0.0318	14.627	0.028095	60
65	0.203568	62265	12675	280910	0.045122	2.6003	713451	0.0318	11.458	0.044843	65
70	0.314805	49590	15611	209453	0.074533	2.5340	432541	0.0318	8.722	0.074100	70
75	0.447942	33979	15221	130932	0.116247	2.4402	223088	0.0318	6.566	0.115614	75
80	0.599201	18758	11240	64087	0.175387	2.3572	92156	0.0318	4.913	0.174326	80
85+	*1.000000	7518	7518	28069	0.267850	3.7334	28069	0.0318	3.733	0.264351	85+

**TABLE 3**  
FEMALE LIFE TABLE

$x$	$nq_x$	$l_x$	$n d_x$	$nL_x$	$n m_x$	$n a_x$	$T_x$	$r_x$	$i_x$	$n M_x$	$z$
0	0.035563	100000	3556	97586	0.036442	0.3212	6821320	0.0000	68.213	0.036442	0
1	0.013075	96444	1261	382214	0.003299	1.1760	6723734	0.0000	69.717	0.003299	1
5	0.004825	95183	459	474766	0.000967	2.5000	6341520	0.0000	66.625	0.000967	5
10	0.002695	94724	255	472979	0.000540	2.4995	5866754	0.0200	61.936	0.000540	10
15	0.004854	94468	459	471311	0.000973	2.7529	5393774	0.0065	57.096	0.000971	15
20	0.008637	94010	812	468116	0.001735	2.6195	4922463	0.0099	52.361	0.001732	20
25	0.009916	93198	924	463730	0.001993	2.5559	4454348	0.0180	47.795	0.001991	25
30	0.011489	92274	1060	458785	0.002311	2.5640	3990618	0.0277	43.248	0.002306	30
35	0.013704	91213	1250	453048	0.002759	2.5848	3531832	0.0251	38.721	0.002753	35
40	0.017441	89963	1569	446095	0.003517	2.6276	3078784	0.0165	34.223	0.003509	40
45	0.025010	88394	2211	436784	0.005061	2.6531	2632689	0.0259	29.783	0.005040	45
50	0.037059	86184	3194	423420	0.007543	2.6520	2195905	0.0265	25.479	0.007509	50
55	0.054721	82990	4541	404308	0.011232	2.6567	1772485	0.0251	21.358	0.011181	55
60	0.084245	78449	6609	376825	0.017538	2.6671	1368178	0.0265	17.440	0.017443	60
65	0.137009	71840	9843	336166	0.029279	2.6599	991353	0.0265	13.800	0.029107	65
70	0.228477	61997	14165	276001	0.051322	2.6008	655187	0.0265	10.568	0.051043	70
75	0.349105	47832	16698	197704	0.084462	2.5173	379186	0.0265	7.927	0.084045	75
80	0.499516	31134	15552	115349	0.134824	2.4850	181482	0.0265	5.829	0.134211	80
85+	1.000000	15582	15582	66133	0.235614	4.2442	66133	0.0265	4.244	0.223231	85+

**TABLE 4**  
OBSERVED AND PROJECTED VITAL RATES

RATES PER THOUSAND	OBSERVED POPULATION			PROJECTED POPULATION				STABLE POPULATION			
	BOTH SEXES	MALES	FEMALES	1962		1967		1972			
				MALES	FEMALES	MALES	FEMALES	MALES	FEMALES		
Birth	17.92	18.74	17.14	19.17	17.57	19.17	17.61	19.59	18.02	14.82	13.83
Death	7.93	8.53	7.35	8.95	7.80	9.42	8.23	9.87	8.66	16.36	15.37
Increase	9.99	10.21	9.79	10.22	9.77	9.75	9.38	9.72	9.36		-1.5433
PERCENTAGE											
under 15	31.94	33.14	30.79	29.97	27.77	25.84	23.93	25.28	23.44	21.23	19.97
15-64	62.65	62.14	63.14	64.88	65.76	68.51	69.08	68.75	69.10	66.94	64.67
65 and over	5.41	4.72	6.07	5.15	6.47	5.65	6.98	5.97	7.46	11.83	15.36
DEP. RATIO X 100	59.61	60.92	58.37	54.14	52.07	45.96	44.75	45.46	44.72	49.40	54.63

AGE AT LAST BIRTHDAY	BOTH SEXES	POPULATION				BIRTHS		DEATHS		AGE AT LAST BIRTHDAY
		MALES		FEMALES		BY AGE OF MOTHER	BOTH SEXES	MALES	FEMALES	
		Number	%	Number	%					
0	1574587	806692	1.8	767895	1.6	0	49844	28086	21758	0
1-4	6312894	3227991	7.1	3084903	6.5	0	15539	8585	6954	1-4
5-9	9367582	4785053	10.5	4582529	9.7	0	8378	4928	3450	5-9
10-14	10881827	5549521	12.1	5332306	11.2	9	5702	3377	2325	10-14
15-19	9283743	4667283	10.2	4616460	9.7	19348	9627	5987	3640	15-19
20-24	8342662	4140327	9.0	4202335	8.9	443279	14458	8825	5633	20-24
25-29	8185247	4082268	8.9	4102979	8.6	745329	15665	9254	6411	25-29
30-34	7457822	3706157	8.1	3751665	7.9	303853	15800	8903	6897	30-34
35-39	5976944	2729274	6.0	3247670	6.8	79776	15500	8128	7372	35-39
40-44	5015703	2277732	5.0	2737971	5.8	14644	17424	9225	8199	40-44
45-49	4801262	2253320	4.9	2547942	5.4	858	25354	14139	11215	45-49
50-54	4174691	2031451	4.4	2143240	4.5	58	34853	20510	14343	50-54
55-59	3623524	1794834	3.9	1828690	3.9	12	48284	29899	18385	55-59
60-64	2910149	1427360	3.1	1482789	3.1	0	60776	37473	23303	60-64
65-69	2150869	1021744	2.2	1129125	2.4	0	73346	43309	30037	65-69
70-74	1550904	686436	1.5	864468	1.8	0	87179	47216	39963	70-74
75-79	950622	374814	0.8	575808	1.2	0	87657	41425	46232	75-79
80-84	478181	167465	0.4	310716	0.7	826060 M.	69318	28674	40644	80-84
85+	184917	55499	0.1	129418	0.3	781106 F.	42695	14374	28321	85+
TOTAL	93224130	45785221		47438909		1607166	697399	372317	325082	TOTAL

$x$	$n^q_x$	$l_x$	$n^d_x$	$nL_x$	$n^m_x$	$n^a_x$	$T_x$	$r_x$	$\dot{e}_x$	$nM_x$	$x$
0	0.033391	100000	3399	97631	0.034816	0.3029	6549795	0.0000	65.498	0.034816	0
1	0.010558	96601	1020	383500	0.002660	1.1530	6452164	0.0000	66.792	0.002660	1
5	0.005136	95581	491	476677	0.001030	2.5000	6068665	0.0000	63.492	0.001030	5
10	0.003039	95090	289	474753	0.000609	2.5862	5591987	0.0016	58.807	0.000609	10
15	0.006439	94801	610	472627	0.001292	2.7426	5117235	0.0280	53.979	0.001283	15
20	0.010614	94191	1000	468545	0.002134	2.5917	4644608	0.0114	49.311	0.002131	20
25	0.011274	93191	1051	463349	0.002267	2.5204	4176062	0.0088	44.812	0.002267	25
30	0.011969	92140	1103	458007	0.002408	2.5571	3712713	0.0378	40.294	0.002402	30
35	0.014862	91037	1353	451951	0.002994	2.6079	3254706	0.0456	35.751	0.002978	35
40	0.020110	89684	1804	444198	0.004060	2.6579	2802755	0.3149	31.251	0.004050	40
45	0.030954	87881	2720	433105	0.006281	2.6844	2358557	0.0049	26.838	0.006275	45
50	0.049452	85161	4211	416065	0.010122	2.6875	1925452	0.0121	22.610	0.010096	50
55	0.080444	80949	6512	389517	0.016718	2.6613	1509387	0.0181	18.646	0.016658	55
60	0.124310	74437	9253	350324	0.026414	2.6373	1119870	0.0314	15.044	0.026253	60
65	0.193459	65184	12610	295706	0.042645	2.6040	769546	0.0314	11.806	0.042387	65
70	0.295734	52574	15548	224715	0.069189	2.5460	473841	0.0314	9.013	0.068784	70
75	0.433379	37026	16046	144367	0.111149	2.4597	249126	0.0314	6.728	0.110521	75
80	0.593110	20980	12443	72225	0.172283	2.3743	104759	0.0314	4.993	0.171224	80
85+	*1.000000	8536	8536	32534	0.262385	3.8112	32534	0.0314	3.811	0.258996	85+

$x$	$n^q_x$	$l_x$	$n^d_x$	$nL_x$	$n^m_x$	$n^a_x$	$T_x$	$r_x$	$\dot{e}_x$	$nM_x$	$x$
0	0.027790	100000	2779	98076	0.028335	0.3077	7034306	0.0000	70.343	0.028335	0
1	0.008959	97221	871	386409	0.002254	1.1587	6936229	0.0000	71.345	0.002254	1
5	0.003757	96350	362	480845	0.000753	2.5000	6549820	0.0000	67.979	0.000753	5
10	0.002178	95988	209	479421	0.000436	2.5169	6068975	0.0000	63.226	0.000436	10
15	0.003957	95779	379	478037	0.000793	2.7359	5589554	0.0230	58.359	0.000788	15
20	0.006689	95400	638	475479	0.001342	2.6172	5111518	0.0105	53.580	0.001340	20
25	0.007788	94762	738	472011	0.001564	2.5632	4636038	0.0098	48.923	0.001563	25
30	0.009167	94024	862	468030	0.001842	2.5766	4164028	0.0215	44.287	0.001838	30
35	0.011323	93162	1055	463279	0.002277	2.6011	3695998	0.0292	39.673	0.002270	35
40	0.014914	92107	1374	457294	0.003004	2.6408	3232719	0.0211	35.097	0.002995	40
45	0.021859	90733	1983	449034	0.004417	2.6642	2775425	0.0199	30.589	0.004402	45
50	0.033094	88750	2937	436876	0.006723	2.6597	2326390	0.0263	26.213	0.006692	50
55	0.049346	85813	4235	419162	0.010102	2.6615	1889514	0.0264	22.019	0.010054	55
60	0.076256	81578	6221	393436	0.015812	2.6762	1470352	0.0288	18.024	0.015716	60
65	0.125998	75358	9495	354628	0.026774	2.6662	1076916	0.0288	14.291	0.026602	65
70	0.209432	65863	13794	296504	0.046521	2.6215	722288	0.0288	10.967	0.046228	70
75	0.336837	52069	17539	217186	0.080754	2.5392	425784	0.0288	8.177	0.080291	75
80	0.495158	34530	17098	129884	0.131640	2.4987	208598	0.0288	6.041	0.130807	80
85+	*1.000000	17432	17432	78714	0.221464	4.5154	78714	0.0288	4.515	0.218834	85+

	OBSERVED POPULATION			PROJECTED POPULATION				STABLE POPULATION			
	BOTH SEXES	MALES	FEMALES	1965		1970		1975			
RATES PER THOUSAND				MALES	FEMALES	MALES	FEMALES	MALES	FEMALES		
Birth	17.24	18.04	16.47	18.21	16.64	18.95	17.34	18.83	17.25	13.73	12.71
Death	7.48	8.13	6.85	8.67	7.41	9.18	7.88	9.65	8.39	16.62	15.60
Increase	9.76	9.91	9.61	9.55	9.23	9.77	9.46	9.18	8.86		-2.8914
PERCENTAGE											
under 15	30.18	31.38	29.02	26.75	24.71	24.67	22.78	24.78	22.89	20.10	18.76
15-64	64.12	63.58	64.63	67.66	68.37	69.22	69.65	68.76	68.87	66.85	64.28
65 and over	5.70	5.04	6.34	5.59	6.93	6.11	7.57	6.46	8.24	13.05	16.96
DEP. RATIO X 100	55.97	57.28	54.72	47.79	46.27	44.47	43.57	45.43	45.20	49.60	55.57

**TABLE 1**  
DATA

AGE AT LAST BIRTHDAY	BOTH SEXES	POPULATION				BIRTHS		DEATHS		AGE AT LAST BIRTHDAY
		MALES		FEMALES		BY AGE OF MOTHER	BOTH SEXES	MALES	FEMALES	
		Number	%	Number	%					
0	1615750	829250	1.8	786500	1.6	0	38434	21758	16676	0
1-4	6253250	3202250	6.8	3051000	6.3	0	10098	5798	4300	1-4
5-9	8119250	4149500	8.8	3969750	8.1	0	5243	3254	1989	5-9
10-14	10642000	5427500	11.5	5214500	10.7	10	4332	2728	1604	10-14
15-19	9703750	4922250	10.4	4781500	9.8	18204	7370	4838	2532	15-19
20-24	8905500	4442000	9.4	4463500	9.1	440368	11494	7255	4239	20-24
25-29	8319250	4123000	8.8	4196250	8.6	801237	12688	7732	4956	25-29
30-34	7920250	3957250	8.4	3963000	8.1	321554	14084	8494	5590	30-34
35-39	6948000	3383500	7.2	3564500	7.3	67132	16021	9380	6641	35-39
40-44	5366750	2375500	5.0	2991250	6.1	10461	16835	9127	7708	40-44
45-49	4846000	2233750	4.7	2612250	5.4	541	23248	13078	10170	45-49
50-54	4531250	2139500	4.5	2391750	4.9	14	33718	19714	14004	50-54
55-59	3718000	1816750	3.9	1901250	3.9	0	44995	27862	17133	55-59
60-64	3234750	1578000	3.3	1656750	3.4	0	62311	39074	23237	60-64
65-69	2398000	1139250	2.4	1258750	2.6	0	75969	45473	30496	65-69
70-74	1657250	741250	1.6	916000	1.9	0	86946	48158	38788	70-74
75-79	998750	403250	0.9	595500	1.2	0	87259	42406	44853	75-79
80-84	511250	180250	0.4	331000	0.7	852561 M.	70858	29138	41720	80-84
85+	223250	65250	0.1	158000	0.3	806960 F.	48650	16051	32599	85+
TOTAL	95912250	47109250		48803000		1659521	670553	361318	309235	TOTAL

**TABLE 2**  
MALE LIFE TABLE

x	$nq_x$	$lx$	$n^d_x$	$nL_x$	$n^m_x$	$n^a_x$	$T_x$	$r_x$	$e_x$	$nM_x$	x
0	0.025717	100000	2572	98180	0.026193	0.2923	6728652	0.0022	67.287	0.026238	0
1	0.007191	97428	701	387710	0.001807	1.1410	6630472	0.0022	68.055	0.001811	1
5	0.003913	96728	379	482692	0.000784	2.5000	6242762	0.0000	64.540	0.000784	5
10	0.002510	96349	242	481161	0.000503	2.5817	5760070	0.0000	59.783	0.000503	10
15	0.004926	96107	473	479465	0.000987	2.7365	5278909	0.0190	54.927	0.000983	15
20	0.008150	95634	779	476307	0.001636	2.6102	4799444	0.0162	50.186	0.001633	20
25	0.009339	94855	886	472105	0.001876	2.5530	4323137	0.0097	45.576	0.001875	25
30	0.010693	93969	1005	467415	0.002150	2.5834	3851032	0.0176	40.982	0.002146	30
35	0.013855	92964	1288	461756	0.002789	2.6215	3383617	0.0482	36.397	0.002772	35
40	0.019156	91676	1756	454262	0.003866	2.6555	2921861	0.0375	31.872	0.003842	40
45	0.028904	89920	2599	443558	0.005860	2.6757	2467599	0.0044	27.442	0.005855	45
50	0.045213	87321	3948	427482	0.009235	2.6895	2024041	0.0109	23.179	0.009214	50
55	0.074252	83373	6191	402457	0.015382	2.6729	1596560	0.0145	19.150	0.015336	55
60	0.117731	77182	9087	364504	0.024929	2.6442	1194102	0.0341	15.471	0.024762	60
65	0.183299	68095	12482	310645	0.040180	2.6100	829598	0.0341	12.183	0.039915	65
70	0.281891	55614	15677	239747	0.065389	2.5556	518953	0.0341	9.331	0.064969	70
75	0.417332	39937	16667	157520	0.105807	2.4702	279206	0.0341	6.991	0.105160	75
80	0.571421	23270	13297	81712	0.162728	2.3951	121686	0.0341	5.229	0.161654	80
85+	*1.000000	9973	9973	39974	0.249489	4.0082	39974	0.0341	4.008	0.245992	85+

**TABLE 3**  
FEMALE LIFE TABLE

x	$nq_x$	$lx$	$n^d_x$	$nL_x$	$n^m_x$	$n^a_x$	$T_x$	$r_x$	$e_x$	$nM_x$	x
0	0.020855	100000	2086	98516	0.021169	0.2884	7243017	0.0021	72.430	0.021203	0
1	0.005604	97914	549	390087	0.001407	1.1369	7144501	0.0021	72.967	0.001409	1
5	0.002502	97366	244	486220	0.000501	2.5000	6754414	0.0000	69.372	0.000501	5
10	0.001537	97122	149	485240	0.000308	2.5193	6268194	0.0000	64.539	0.000308	10
15	0.002655	96973	257	484285	0.000532	2.7507	5782954	0.0150	59.635	0.000530	15
20	0.004746	96715	459	482494	0.000951	2.6406	5298669	0.0121	54.786	0.000950	20
25	0.005894	96256	567	479908	0.001182	2.5788	4816175	0.0107	50.035	0.001181	25
30	0.007039	95689	674	476828	0.001413	2.5980	4336266	0.0149	45.316	0.001411	30
35	0.009306	95016	884	472979	0.001869	2.6266	3859439	0.0262	40.619	0.001863	35
40	0.012866	94131	1211	467819	0.002589	2.6572	3386460	0.0284	35.976	0.002577	40
45	0.019352	92920	1798	460404	0.003906	2.6660	2918641	0.0184	31.410	0.003893	45
50	0.029014	91122	2644	449443	0.005882	2.6675	2458237	0.0257	26.977	0.005855	50
55	0.044350	88478	3924	433235	0.009058	2.6666	2008794	0.0274	22.704	0.009011	55
60	0.068371	84554	5781	409395	0.014121	2.6863	1575559	0.0311	18.634	0.014026	60
65	0.115458	78773	9095	372736	0.024401	2.6767	1166164	0.0311	14.804	0.024227	65
70	0.193704	69678	13497	316497	0.042645	2.6370	793428	0.0311	11.387	0.042345	70
75	0.319824	56181	17968	237017	0.075809	2.5574	476931	0.0311	8.489	0.075320	75
80	0.482689	38213	18445	145328	0.126920	2.5203	239915	0.0311	6.278	0.126042	80
85+	*1.000000	19768	19768	94587	0.208994	4.7848	94587	0.0311	4.785	0.206323	85+

**TABLE 4**  
OBSERVED AND PROJECTED VITAL RATES

RATES PER THOUSAND	OBSERVED POPULATION			1968		PROJECTED POPULATION 1973		1978		STABLE POPULATION	
	BOTH SEXES	MALES	FEMALES	MALES	FEMALES	MALES	FEMALES	MALES	FEMALES	MALES	FEMALES
Birth	17.30	18.10	16.54	18.27	16.70	18.56	16.99	17.61	16.14	13.41	12.38
Death	6.99	7.67	6.34	8.29	6.95	8.83	7.48	9.31	8.08	16.18	15.15
Increase	10.31	10.43	10.20	9.98	9.76	9.73	9.51	8.30	8.06	-2.7690	
PERCENTAGE											
under 15	27.77	28.89	26.68	25.04	23.08	24.55	22.63	24.65	22.74	19.85	18.46
15-64	66.20	65.74	66.64	68.89	69.43	68.97	69.25	68.48	68.20	66.52	63.80
65 and over	6.04	5.37	6.68	6.07	7.49	6.48	8.12	6.87	9.06	13.63	17.75
DEP. RATIO X 100	51.06	52.11	50.06	45.15	44.04	44.99	44.41	46.03	46.63	50.33	56.75