

# 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	18375	9420	4.2	8955	3.9	0	1487	852	635	0		
	1-4	63575	32285	14.3	31290	13.7	0	576	305	271	1-4		
	5-9	61300	31035	13.7	30265	13.3	0	108	62	46	5-9		
	10-14	49030	24800	11.0	24230	10.6	145	56	31	25	10-14		
	15-19	41770	21005	9.3	20765	9.1	3308	99	45	54	15-19		
	20-24	37960	18865	8.3	19095	8.4	6185	109	39	70	20-24		
	25-29	31770	15480	6.8	16290	7.2	4697	116	42	74	25-29		
	30-34	27835	13745	6.1	14090	6.2	2998	129	62	67	30-34		
	35-39	25225	12545	5.5	12680	5.6	1588	146	70	76	35-39		
	40-44	22320	11170	4.9	11150	4.9	480	216	119	97	40-44		
	45-49	20700	10565	4.7	10135	4.5	43	238	134	104	45-49		
	50-54	16235	8185	3.6	8050	3.5	5	376	217	159	50-54		
	55-59	12690	6285	2.8	6405	2.8	0	323	183	140	55-59		
	60-64	8985	4290	1.9	4695	2.1	0	332	191	141	60-64		
	65-69	6825	2875	1.3	3650	1.7	0	478	259	219	65-69		
	70-74	4760	1910	0.8	2850	1.3		350	171	179	70-74		
	75-79	2770	1005	0.4	1765	0.8		309	131	178	75-79		
	80-84	1145	450	0.2	695	0.3	9899 M.	216	85	131	80-84		
	85+	520	195	0.1	325	0.1	9550 F.	193	56	137	85+		
	TOTAL	453790	226110		227680		19449	5857	3054	2803	TOTAL		

**TABLE 2**  
MALE LIFE TABLE

$x$	$nq_x$	$l_x$	$n d_x$	$nL_x$	$n m_x$	$n a_x$	$T_x$	$r_x$	$e_x$	$nM_x$	$x$
0	0.084746	100000	8475	94347	0.089824	0.3329	5433932	0.0098	54.339	0.090446	0
1	0.036576	91525	3348	356704	0.009385	1.1926	5339585	0.0098	58.340	0.009447	1
5	0.009603	88178	847	438772	0.001930	2.5000	4982881	0.0484	56.509	0.001998	5
10	0.006239	87331	545	435310	0.001252	2.5306	4544109	0.0374	52.033	0.001250	10
15	0.010678	86786	927	431685	0.002147	2.5764	4108799	0.0255	47.344	0.002142	15
20	0.010301	85860	884	427133	0.002071	2.5530	3677114	0.0283	42.827	0.002067	20
25	0.013553	84975	1152	422202	0.002728	2.6791	3249981	0.0287	38.246	0.002713	25
30	0.022364	83823	1875	414662	0.004521	2.6237	2827778	0.0168	33.735	0.004511	30
35	0.027634	81949	2265	404556	0.005598	2.7088	2413116	0.0142	29.447	0.005580	35
40	0.052004	79684	4144	388563	0.010665	2.6211	2008560	0.0074	25.206	0.010654	40
45	0.061855	75540	4673	367003	0.012732	2.7104	1619997	0.0157	21.445	0.012683	45
50	0.125050	70868	8862	332972	0.026615	2.5889	1252994	0.0281	17.681	0.026512	50
55	0.136356	62006	8455	289297	0.029226	2.5480	920022	0.0328	14.838	0.029117	55
60	0.201857	53551	10810	242243	0.044623	2.6399	630725	0.0095	11.778	0.044522	60
65	0.367680	42741	15715	174204	0.090211	2.4863	388481	0.0095	9.089	0.090087	65
70	0.361801	27025	9778	109162	0.089574	2.3442	214278	0.0095	7.929	0.089529	70
75	0.487065	17248	8401	64356	0.130538	2.3950	105115	0.0095	6.094	0.130348	75
80	0.626846	8847	5546	29309	0.189219	2.3084	40759	0.0095	4.607	0.188890	80
85+	*1.000000	3301	3301	11451	0.288311	3.4685	11451	0.0095	3.468	0.287179	85+

**TABLE 3**  
FEMALE LIFE TABLE

$x$	$nq_x$	$l_x$	$n d_x$	$nL_x$	$n m_x$	$n a_x$	$T_x$	$r_x$	$e_x$	$nM_x$	$x$
0	0.067399	100000	6740	95621	0.070485	0.3503	5749520	0.0087	57.495	0.070910	0
1	0.033657	93260	3139	364317	0.008616	1.2209	5653898	0.0087	60.625	0.008661	1
5	0.007264	90121	655	448970	0.001458	2.5000	5289581	0.0477	58.694	0.001520	5
10	0.005190	89467	464	446277	0.001040	2.7248	4840612	0.0362	54.105	0.001032	10
15	0.012983	89002	1156	442359	0.002612	2.7047	4394335	0.0213	49.373	0.002601	15
20	0.018211	87847	1600	435398	0.003674	2.6021	3951975	0.0206	44.987	0.003666	20
25	0.022492	86247	1940	426466	0.004549	2.5413	3516577	0.0260	40.773	0.004543	25
30	0.023531	84307	1984	416680	0.004761	2.5523	3090112	0.0201	36.653	0.004755	30
35	0.029615	82323	2438	405819	0.006008	2.6217	2673431	0.0171	32.475	0.005994	35
40	0.042664	79885	3408	391200	0.008712	2.5863	2267613	0.0141	28.386	0.008700	40
45	0.050332	76477	3849	373484	0.010306	2.6874	1876412	0.0205	24.536	0.010261	45
50	0.094593	72628	6870	346587	0.019822	2.5906	1502928	0.0279	20.694	0.019752	50
55	0.103995	65758	6838	311987	0.021919	2.5430	1156341	0.0308	17.585	0.021858	55
60	0.140534	58919	8280	275048	0.030105	2.6391	844354	0.0117	14.331	0.030032	60
65	0.244237	50639	12368	222715	0.055533	2.5355	569306	0.0117	11.242	0.055443	65
70	0.271412	38271	10387	165156	0.062894	2.4775	346591	0.0117	9.056	0.062807	70
75	0.403585	27884	11254	111317	0.101095	2.5028	181436	0.0117	6.507	0.100850	75
80	0.633612	16630	10537	55734	0.189063	2.3980	70119	0.0117	4.216	0.188490	80
85+	*1.000000	6093	6093	14385	0.423587	2.3608	14385	0.0117	2.361	0.421538	85+

**TABLE 4**  
OBSERVED AND PROJECTED VITAL RATES

RATES PER THOUSAND	OBSERVED POPULATION			PROJECTED POPULATION				STABLE POPULATION			
	BOTH SEXES		FEMALES	1959		1964		1969		MALES	FEMALES
	MALES	FEMALES	MALES	FEMALES	MALES	FEMALES	MALES	FEMALES	MALES	FEMALES	
Birth	42.86	43.78	41.94	42.09	40.44	41.66	40.11	42.85	41.32	44.89	43.67
Death	12.91	13.51	12.31	12.96	11.68	12.53	11.31	12.27	11.04	11.13	9.91
Increase	29.95	30.27	29.63	29.13	28.76	29.14	28.80	30.58	30.28		33.7591
PERCENTAGE											
under 15	42.37	43.14	41.61	45.19	43.96	45.97	45.00	45.40	44.76	46.74	46.48
15-64	54.10	54.02	54.18	52.28	52.36	51.57	51.53	52.20	51.92	51.72	51.36
65 and over	3.53	2.85	4.21	2.53	3.69	2.46	3.47	2.40	3.31	1.54	2.16
DEP. RATIO X 100	84.85	85.13	84.57	91.29	91.00	93.91	94.05	91.57	92.60	93.35	94.71

**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	19430	9830	4.1	9600	4.0	0	1422	777	645	0	
1-4	68880	34995	14.6	33885	14.1	0	484	253	231	1-4	
5-9	67985	34255	14.3	33730	14.0	0	88	50	38	5-9	
10-14	53130	26910	11.2	26220	10.9	229	37	22	15	10-14	
15-19	43965	22080	9.2	21885	9.1	3278	83	37	46	15-19	
20-24	39230	19635	8.2	19595	8.1	6699	106	47	59	20-24	
25-29	33385	16385	6.8	17000	7.1	4989	119	59	60	25-29	
30-34	28765	14170	5.9	14595	6.1	3356	112	45	67	30-34	
35-39	25510	12870	5.4	12640	5.2	1625	135	65	70	35-39	
40-44	22805	11390	4.8	11415	4.7	524	162	85	77	40-44	
45-49	21285	10855	4.5	10430	4.3	29	211	123	88	45-49	
50-54	17070	8560	3.6	8510	3.5	4	292	177	115	50-54	
55-59	13410	6665	2.8	6745	2.8	0	358	217	141	55-59	
60-64	9505	4560	1.9	4945	2.1	0	332	214	118	60-64	
65-69	6790	2905	1.2	3885	1.6	0	402	196	206	65-69	
70-74	4830	1925	0.8	2905	1.2		354	183	171	70-74	
75-79	2895	1025	0.4	1870	0.8		274	121	153	75-79	
80-84	1205	455	0.2	750	0.3	10461 M.	217	86	131	80-84	
85+	415	170	0.1	245	0.1	10272 F.	192	59	133	85+	
TOTAL	480490	239640		240850		20733	5380	2816	2564	TOTAL	

**TABLE 2**  
MALE LIFE TABLE

$x$	$nq_x$	$l_x$	$n^d_x$	$n^L_x$	$n^m_x$	$n^a_x$	$T_x$	$r_x$	$\dot{e}_x$	$nM_x$	$x$
0	0.074646	100000	7465	94921	0.078640	0.3195	5662850	0.0071	56.628	0.079044	0
1	0.028193	92535	2609	362769	0.007191	1.1739	5567929	0.0071	60.171	0.007230	1
5	0.007008	89927	630	448057	0.001407	2.5000	5205160	0.0483	57.882	0.001460	5
10	0.004092	89296	365	445592	0.000820	2.5664	4757103	0.0428	53.273	0.000818	10
15	0.003395	88931	747	442932	0.001686	2.6922	4311510	0.0299	48.482	0.001676	15
20	0.011955	88184	1054	438455	0.002405	2.6601	3868579	0.0273	43.869	0.002394	20
25	0.017870	87130	1557	431820	0.003606	2.5397	3430124	0.0294	39.368	0.003601	25
30	0.015787	85573	1351	424602	0.003182	2.5850	2998304	0.0205	35.038	0.003176	30
35	0.025031	84222	2108	416187	0.005065	2.6645	2573702	0.0167	30.559	0.005051	35
40	0.036731	82114	3016	403503	0.007475	2.6572	2157515	0.0094	26.275	0.007463	40
45	0.055426	79098	4384	385444	0.011374	2.7087	1754012	0.0161	22.175	0.011331	45
50	0.099164	74714	7409	356259	0.020796	2.6637	1368568	0.0276	18.317	0.020678	50
55	0.151647	67305	10207	311973	0.032716	2.5946	1012308	0.0299	15.041	0.032558	55
60	0.210883	57098	12041	255978	0.047039	2.5489	700335	0.0160	12.265	0.046930	60
65	0.289273	45057	13034	192745	0.067622	2.5034	444358	0.0160	9.862	0.067470	65
70	0.382589	32023	12252	128631	0.095248	2.4301	251612	0.0160	7.857	0.095065	70
75	0.451273	19772	8922	75426	0.118293	2.3738	122982	0.0160	6.220	0.118049	75
80	0.631163	10849	6848	36102	0.189675	2.3503	47556	0.0160	4.383	0.189012	80
85+	*1.000000	4002	4002	11454	0.349368	2.8623	11454	0.0160	2.862	0.347059	85+

**TABLE 3**  
FEMALE LIFE TABLE

$x$	$nq_x$	$l_x$	$n^d_x$	$n^L_x$	$n^m_x$	$n^a_x$	$T_x$	$r_x$	$\dot{e}_x$	$nM_x$	$x$
0	0.063930	100000	6393	95726	0.066785	0.3314	6014934	0.0084	60.149	0.067187	0
1	0.026604	93607	2490	367431	0.006778	1.1904	5919208	0.0084	63.235	0.006817	1
5	0.005362	91117	489	454362	0.001075	2.5000	5551777	0.0483	60.930	0.001127	5
10	0.002902	90628	263	452579	0.000581	2.8666	5097415	0.0422	56.245	0.000572	10
15	0.010528	90365	951	449671	0.002116	2.7357	4644836	0.0272	51.401	0.002102	15
20	0.014979	89414	1339	443844	0.003018	2.5923	4195164	0.0223	46.919	0.003011	20
25	0.017539	88074	1545	436641	0.003538	2.5849	3751320	0.0258	42.593	0.003529	25
30	0.022752	86530	1969	427886	0.004601	2.5814	3314679	0.0251	38.307	0.004591	30
35	0.027363	84561	2314	417179	0.005546	2.5688	2886793	0.0190	34.139	0.005538	35
40	0.033221	82247	2732	404610	0.006753	2.5752	2469614	0.0124	30.027	0.006746	40
45	0.041498	79515	3300	389800	0.008465	2.6443	2065004	0.0202	25.970	0.008437	45
50	0.065847	76215	5019	369322	0.013588	2.6580	1675204	0.0295	21.980	0.013514	50
55	0.099812	71196	7106	338686	0.020982	2.5661	1305882	0.0347	18.342	0.020904	55
60	0.113478	64090	7273	303573	0.023957	2.6794	967196	0.0165	15.091	0.023862	60
65	0.235287	56817	13368	251471	0.053161	2.5602	663623	0.0165	11.680	0.053024	65
70	0.256305	43549	11136	188917	0.058947	2.4563	412152	0.0165	9.486	0.058864	70
75	0.341396	32313	11031	134355	0.082107	2.5335	223235	0.0165	6.909	0.081818	75
80	0.606773	21281	12913	73569	0.175520	2.4570	88879	0.0165	4.176	0.174667	80
85+	*1.000000	8368	8368	15310	0.546598	1.8295	15310	0.0165	1.829	0.542857	85+

**TABLE 4**  
OBSERVED AND PROJECTED VITAL RATES

	OBSERVED POPULATION			PROJECTED POPULATION				STABLE POPULATION			
	BOTH SEXES	MALES	FEMALES	1961		1966		1971			
RATES PER THOUSAND				MALES	FEMALES	MALES	FEMALES	MALES	FEMALES	MALES	FEMALES
Birth	43.15	43.65	42.65	42.27	41.27	42.33	41.31	43.72	42.65	45.79	44.77
Death	11.20	11.75	10.65	11.30	10.18	10.99	9.94	10.79	9.73	9.73	8.70
Increase	31.95	31.90	32.00	30.97	31.09	31.34	31.37	32.93	32.92		36.0682
PERCENTAGE											
under 15	43.59	44.23	42.95	46.00	45.03	45.53	45.71	46.13	45.62	47.83	47.40
15-64	53.06	53.07	53.05	51.45	51.34	50.96	50.80	51.42	50.99	50.65	50.43
65 and over	3.36	2.70	4.01	2.54	3.64	2.51	3.49	2.45	3.38	1.52	2.17
DEP. RATIO X 100	88.48	88.44	88.52	94.35	94.79	96.23	96.85	94.49	96.11	97.45	98.31