

World Population

An Analysis of Vital Data

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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	7638	3880	2.8	3758	2.5	0	431	247	184	0	
1-4	37150	18714	13.5	18436	12.3	0	229	121	108	1-4	
5-9	42423	21372	15.4	21051	14.1	0	24	10	14	5-9	
10-14	35022	17614	12.7	17408	11.6	11	9	4	5	10-14	
15-19	26648	13148	9.5	13500	9.0	652	22	15	7	15-19	
20-24	19188	8229	5.9	10959	7.3	2365	28	16	12	20-24	
25-29	18415	8476	6.1	9939	6.6	2881	33	14	19	25-29	
30-34	17352	8180	5.9	9172	6.1	2324	45	19	26	30-34	
35-39	16057	7700	5.5	8357	5.6	1573	63	26	37	35-39	
40-44	14345	6928	5.0	7417	5.0	694	84	52	32	40-44	
45-49	12957	6395	4.6	6562	4.4	70	133	67	66	45-49	
50-54	11344	5497	4.0	5847	3.9	3	128	74	54	50-54	
55-59	8915	4192	3.0	4723	3.2	0	146	83	63	55-59	
60-64	6932	3085	2.2	3847	2.6	0	147	89	58	60-64	
65-69	5076	2108	1.5	2968	2.0	0	143	73	70	65-69	
70-74	3861	1585	1.1	2276	1.5	0	163	79	84	70-74	
75-79	2695	1044	0.8	1651	1.1	0	143	72	71	75-79	
80-84	1471	504	0.4	967	0.6	5299 M.	153	57	96	80-84	
85+	950	246	0.2	704	0.5	5274 F.	165	50	115	85+	
TOTAL	288439	138897		149542		10573	2289	1168	1121	TOTAL	

x	n^d_x	l_x	n^d_x	n^L_x	n^M_x	n^a_x	T_x	r_x	l_x	n^M_x	x
0	0.061062	100000	6106	95919	0.063660	0.3317	6309156	0.0000	63.092	0.063660	0
1	0.025402	93894	2385	368875	0.006466	1.1908	6213237	0.0000	66.173	0.006466	1
5	0.002215	91509	203	457037	0.000444	2.5000	5844362	0.0231	63.867	0.000468	5
10	0.001171	91306	107	456331	0.000234	3.1397	5387325	0.0481	59.003	0.000227	10
15	0.005823	91199	531	454829	0.001168	2.8030	4930994	0.0750	54.068	0.001141	15
20	0.009697	90668	879	451185	0.001949	2.5492	4476165	0.0422	49.369	0.001944	20
25	0.008225	89789	739	447129	0.001652	2.5425	4024980	0.0000	44.827	0.001652	25
30	0.011564	89050	1030	442832	0.002325	2.6502	3577850	0.0073	40.178	0.002323	30
35	0.016825	88021	1481	436852	0.003390	2.8052	3135018	0.0126	35.617	0.003377	35
40	0.036968	86540	3199	425280	0.007523	2.6813	2698166	0.0114	31.178	0.007506	40
45	0.051173	83340	4265	406452	0.010493	2.5966	2272886	0.0127	27.272	0.010477	45
50	0.065462	79076	5176	383012	0.013515	2.6111	1866434	0.0281	23.603	0.013462	50
55	0.095064	73899	7025	352739	0.019916	2.6148	1483421	0.0373	20.074	0.019800	55
60	0.135271	66874	9046	312222	0.028973	2.5516	1130682	0.0392	16.908	0.028849	60
65	0.160226	57828	9266	266348	0.034787	2.5401	818460	0.0392	14.153	0.034630	65
70	0.223037	48562	10831	216131	0.050114	2.5367	552112	0.0392	11.369	0.049842	70
75	0.296082	37731	11172	160941	0.069414	2.5192	335981	0.0392	8.905	0.068965	75
80	0.446551	26560	11860	103883	0.114170	2.5620	175040	0.0392	6.590	0.113096	80
85+	*1.000000	14699	14699	71157	0.206576	4.8408	71157	0.0392	4.841	0.203252	85+

x	n^d_x	l_x	n^d_x	n^L_x	n^M_x	n^a_x	T_x	r_x	l_x	n^M_x	x
0	0.047451	100000	4745	96914	0.048962	0.3497	6821256	0.0000	68.213	0.048962	0
1	0.023057	95255	2196	374913	0.005858	1.2198	6724342	0.0000	70.593	0.005858	1
5	0.003213	93059	299	464545	0.000644	2.5000	6349429	0.0225	68.230	0.000665	5
10	0.001430	92760	133	463455	0.000286	2.4127	5884883	0.0440	63.442	0.000287	10
15	0.002628	92627	243	462604	0.000526	2.8216	5421429	0.0457	58.530	0.000519	15
20	0.005504	92384	508	460778	0.001104	2.7595	4958824	0.0295	53.677	0.001095	20
25	0.009545	91875	877	457345	0.001917	2.6844	4498046	0.0159	48.958	0.001912	25
30	0.014118	90998	1285	452006	0.002842	2.6768	4040701	0.0143	44.404	0.002835	30
35	0.021928	89713	1967	443774	0.004433	2.5634	3588695	0.0173	40.002	0.004427	35
40	0.021467	87746	1884	434492	0.004335	2.7494	3144921	0.0185	35.841	0.004314	40
45	0.049177	85863	4223	419133	0.010074	2.5892	2710430	0.0153	31.567	0.010058	45
50	0.045222	81640	3692	399143	0.009250	2.5466	2291296	0.0224	28.066	0.009236	50
55	0.064770	77948	5049	377459	0.013375	2.5673	1892154	0.0292	24.275	0.013339	55
60	0.073014	72899	5323	351719	0.015133	2.5993	1514695	0.0280	20.778	0.015077	60
65	0.112237	67577	7585	319934	0.023707	2.6335	1162976	0.0280	17.210	0.023585	65
70	0.169709	59992	10181	274964	0.037027	2.5448	843042	0.0280	14.053	0.036907	70
75	0.196255	49811	9776	225846	0.043285	2.6258	568078	0.0280	11.405	0.043004	75
80	0.401773	40035	16085	160910	0.099964	2.6836	342232	0.0280	8.548	0.099276	80
85+	1.000000	23950	23950	181323	0.132086	7.5708	181323	0.0280	7.571	0.163353	85+

RATES PER THOUSAND	OBSERVED POPULATION			PROJECTED POPULATION				STABLE POPULATION			
	BOTH SEXES	MALES	FEMALES	1966		1971		1976		POPULATION	
				MALES	FEMALES	MALES	FEMALES	MALES	FEMALES	MALES	FEMALES
Birth	36.66	38.15	35.27	37.28	34.70	38.08	35.68	39.28	37.03	39.00	37.73
Death	7.94	8.41	7.50	8.51	7.80	8.51	7.80	8.43	7.75	8.24	6.97
Increase	28.72	29.74	27.77	28.77	26.90	29.57	27.88	30.85	29.28	30.76	30.76
PERCENTAGE											
under 15	42.38	44.34	40.56	43.49	40.42	42.23	39.88	42.57	40.76	43.07	42.32
15-64	52.75	51.71	53.71	52.44	53.65	53.56	54.15	53.09	53.26	53.64	53.32
65 and over	4.87	3.95	5.73	4.08	5.94	4.21	5.98	4.34	5.98	3.30	4.36
DEP. RATIO X 100	89.57	93.37	86.18	90.71	86.40	86.71	84.68	88.34	87.76	86.44	87.54

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	10474	5403	3.6	5071	3.2	0	396	227	169	0	
	1-4	40365	20668	13.9	19697	12.4	0	196	100	96	1-4	
	5-9	40584	20501	13.8	20083	12.7	0	28	18	10	5-9	
	10-14	38323	19118	12.8	19205	12.1	11	27	19	8	10-14	
	15-19	30327	15082	10.1	15245	9.6	658	20	11	9	15-19	
	20-24	20846	9393	6.3	11453	7.2	2096	33	23	10	20-24	
	25-29	19675	9091	6.1	10584	6.7	2777	39	16	23	25-29	
	30-34	17319	8025	5.4	9294	5.9	2284	49	22	27	30-34	
	35-39	16971	8113	5.4	8858	5.6	1622	89	42	47	35-39	
	40-44	15135	7194	4.8	7941	5.0	690	80	38	42	40-44	
	45-49	13097	6586	4.4	6511	4.1	78	126	65	61	45-49	
	50-54	12115	5848	3.9	6267	3.9	1	153	95	58	50-54	
	55-59	9860	4683	3.1	5177	3.3	0	159	79	80	55-59	
	60-64	7384	3353	2.2	4031	2.5	0	194	119	75	60-64	
	65-69	5717	2419	1.6	3298	2.1	0	187	115	72	65-69	
	70-74	4455	1904	1.3	2551	1.6		181	95	86	70-74	
	75-79	2878	1064	0.7	1814	1.1		213	102	111	75-79	
	80-84	1582	484	0.3	1098	0.7	5130 M.	164	54	110	80-84	
	85+	642	154	0.1	488	0.3	5087 F.	180	59	121	85+	
TOTAL		307749	149083		158666		10217	2514	1299	1215	TOTAL	

TABLE 2
MALE LIFE TABLE

<i>x</i>	<i>nq_x</i>	<i>l_x</i>	<i>n^d_x</i>	<i>nL_x</i>	<i>n^m_x</i>	<i>n^a_x</i>	<i>T_x</i>	<i>r_x</i>	<i>i_x</i>	<i>nM_x</i>	<i>x</i>
0	0.040843	100000	4084	97330	0.041964	0.3463	6314989	0.0017	63.150	0.042014	0
1	0.019077	95916	1830	378565	0.004833	1.2139	6217659	0.0017	64.824	0.004838	1
5	0.004287	94086	403	469421	0.000859	2.5000	5839094	0.0292	62.061	0.000878	5
10	0.004953	93683	464	467241	0.000993	2.4757	5369673	0.0298	57.318	0.000994	10
15	0.003746	93218	349	465359	0.000750	2.9003	4902432	0.0699	52.591	0.000729	15
20	0.012223	92869	1135	461603	0.002459	2.5835	4437072	0.0487	47.778	0.002449	20
25	0.008766	91734	804	456683	0.001761	2.5275	3975469	0.0136	43.337	0.001760	25
30	0.013652	90930	1241	451857	0.002747	2.7501	3518787	0.0083	38.698	0.002741	30
35	0.025583	89689	2294	442925	0.005180	2.5948	3066930	0.0064	34.195	0.005177	35
40	0.026157	87394	2286	431635	0.005296	2.6660	2624005	0.0146	30.025	0.005282	40
45	0.048366	85108	4116	416095	0.009893	2.7052	2192370	0.0104	25.760	0.009869	45
50	0.078273	80992	6340	389524	0.016275	2.5652	1776275	0.0194	21.932	0.016245	50
55	0.081731	74652	6101	359036	0.016994	2.6685	1386751	0.0347	18.576	0.016870	55
60	0.164459	68551	11274	315837	0.035695	2.6124	1027715	0.0317	14.992	0.035491	60
65	0.212704	57277	12183	255674	0.047651	2.4792	711878	0.0317	12.429	0.047540	65
70	0.223028	45094	10057	200621	0.050131	2.5292	456203	0.0317	10.117	0.049895	70
75	0.387960	35037	13593	141061	0.096362	2.4896	255582	0.0317	7.295	0.095865	75
80	0.437490	21444	9382	83447	0.112425	2.4660	114521	0.0317	5.341	0.111571	80
85+	*1.000000	12062	12062	31074	0.388178	2.5761	31074	0.0317	2.576	0.383117	85+

TABLE 3
FEMALE LIFE TABLE

<i>x</i>	<i>nq_x</i>	<i>l_x</i>	<i>n^d_x</i>	<i>nL_x</i>	<i>n^m_x</i>	<i>n^a_x</i>	<i>T_x</i>	<i>r_x</i>	<i>i_x</i>	<i>nM_x</i>	<i>x</i>
0	0.032634	100000	3263	97947	0.033318	0.3710	6789424	0.0004	67.894	0.033327	0
1	0.019235	96737	1861	381849	0.004873	1.2608	6691477	0.0004	69.172	0.004874	1
5	0.002397	94876	227	473811	0.000480	2.5000	6309628	0.0240	66.504	0.000498	5
10	0.002084	94648	197	472760	0.000417	2.5564	5835817	0.0271	61.658	0.000417	10
15	0.002973	94451	281	471600	0.000595	2.6622	5363057	0.0511	56.781	0.000590	15
20	0.004415	94170	416	469966	0.000885	2.8693	4891457	0.0354	51.943	0.000873	20
25	0.010851	93755	1017	466423	0.002181	2.6898	4421491	0.0189	47.160	0.002173	25
30	0.014476	92737	1342	460618	0.002914	2.7140	3955068	0.0145	42.648	0.002905	30
35	0.026222	91395	2397	451190	0.005312	2.5861	3494450	0.0110	38.235	0.005306	35
40	0.026217	88998	2333	439488	0.005309	2.6409	3043260	0.0245	34.195	0.005289	40
45	0.045866	86665	3975	423683	0.009382	2.5742	2603773	0.0154	30.044	0.009369	45
50	0.045341	82690	3749	404479	0.009269	2.6071	2180089	0.0122	26.365	0.009255	50
55	0.074770	78941	5902	380523	0.015511	2.5974	1775610	0.0294	22.493	0.015453	55
60	0.089108	73038	6508	349134	0.018641	2.5326	1395087	0.0268	19.101	0.018606	60
65	0.104047	66530	6922	315939	0.021910	2.5858	1045953	0.0268	15.721	0.021831	65
70	0.157020	59608	9360	276002	0.033911	2.6455	730014	0.0268	12.247	0.033712	70
75	0.267894	50248	13461	218757	0.061535	2.5869	454012	0.0268	9.035	0.061191	75
80	0.406991	36787	14972	148245	0.100995	2.6162	235254	0.0268	6.395	0.100182	80
85+	*1.000000	21815	21815	87009	0.250722	3.9885	87009	0.0268	3.988	0.247951	85+

TABLE 4
OBSERVED AND PROJECTED VITAL RATES

	OBSERVED POPULATION			PROJECTED POPULATION				STABLE POPULATION			
	BOTH SEXES	MALES	FEMALES	1968		1973		1978		MALES	FEMALES
RATES PER THOUSAND											
Birth	33.20	34.41	32.06	34.55	32.40	35.81	33.77	36.77	34.85	36.19	35.09
Death	8.17	8.71	7.66	8.50	7.61	8.48	7.54	8.35	7.46	7.89	6.80
Increase	25.03	25.70	24.40	26.06	24.79	27.33	26.23	28.42	27.39		28.2939
PERCENTAGE											
under 15	42.16	44.06	40.37	42.59	39.36	42.22	39.57	41.17	39.40	41.67	40.80
15-64	52.88	51.90	53.80	53.43	54.83	53.74	54.61	54.77	54.80	55.07	54.70
65 and over	4.96	4.04	5.83	3.98	5.81	4.04	5.82	4.05	5.80	3.26	4.51
DEP. RATIO X 100	89.12	92.69	85.88	87.17	82.38	86.07	83.11	82.57	82.48	81.58	82.82