

CHAPTER IX
Economic Activity of the Population

APPENDIX A
Economically active population by branch industry for development regions, Nepal,
Census year 1981

Development region	Industrial groups*										
	0	1	2	3	4	5	6	7	8	9	0-9
Eastern	87.69	0.01	0.72	0.04	0.04	1.96	0.14	0.14	7.10	2.15	100
Central	88.39	0.02	0.70	0.09	0.04	2.23	0.19	0.27	6.14	1.93	100
Western	94.16	0.01	0.23	0.02	0.01	1.16	0.07	0.07	2.48	1.78	100
Mid-western	95.40	0.01	0.17	0.01	0.02	0.91	0.03	0.03	1.91	1.51	100
Far-western	95.95	0.01	0.17	0.00	0.00	0.58	0.01	0.05	1.65	1.57	100

*0= Agriculture, Forestry, Hunting and Fishing; 1= Mining and Quarrying; 2= Manufacturing; 3= Electricity; 4= Construction; 5= Trade and Commerce; 6= Transportation and Communication; 7= Finance and Business Service; 8= Personnel and Community Service; 9= Industry not stated.

Source: Central Bureau of Statistics, 1984- Population Census 1981, Vol. I, Part V, Table 24.

APPENDIX B
Economically active population by major occupational groups for development regions, Nepal, Census year 1981

Development region	Occupational groups*									Total
	0	1	2	3	4	5	6	7		
Eastern	0.94	0.05	0.50	1.63	0.24	87.88	5.58	3.17	100	
Central	1.02	0.21	1.35	1.75	0.36	88.83	3.96	2.52	100	
Western	0.94	0.04	0.49	0.91	0.17	94.30	1.55	1.60	100	
Mid-western	0.82	0.02	0.29	0.60	0.15	95.40	1.08	1.63	100	
Far-western	0.81	0.02	0.32	0.31	0.11	96.07	0.66	1.70	100	

* 0= Professional; 1= Administrative and related; 2= Clerical; 3= Sales; 4=Service; 5= Agriculture; 6= Production and related, and 7= Not stated.

Source: Source: Central Bureau of Statistics, 1984- Population Census 1981, Vol. I, Part V, Table 23.

CHAPTER XIII
Trends and Differentials in Mortality
APPENDIX 1
Estimated Life Table for Nepal 1953-1961
(Males)

Age Group	Central death rates n^m_x	Probability of dying $n^q_x^*$	Survivors to exact age x I_x	Persons living in age $x+n$ n^l_x	Number of years still to be lived T_x	Expectation of life e^o_x
0-0	0.2431	0.2168	100,000	84,824	3,515,128	35.15
1-4	0.0346	0.1360	78,320	291,976	3,430,304	43.80
5-9	0.0070	0.0349	67,668	332,435	3,138,328	46.38
10-14	0.0050	0.0249	65,306	322,465	2,805,893	42.97
15-19	0.0070	0.0349	63,680	312,845	2,483,428	39.00
20-24	0.0100	0.0476	61,458	299,977	2,170,583	35.32
25-29	0.0111	0.0552	58,533	284,588	1,870,606	31.96
30-34	0.0129	0.0641	55,302	267,647	1,586,018	28.68
35-39	0.0151	0.0749	51,757	249,092	1,318,371	25.47
40-44	0.0186	0.0921	47,880	228,375	1,069,279	22.33
45-49	0.0221	0.1093	43,470	205,472	840,904	19.34
50-54	0.0287	0.1415	38,719	179,897	635,432	16.41
55-59	0.0364	0.1787	33,240	151,350	455,535	13.70
60-64	0.0509	0.2482	27,300	119,560	304,185	11.14
65-69	0.0701	0.3386	20,524	85,247	184,625	9.00
70 & over	0.1366	1.0000	13,575	99,378	99,378	7.32

Source: Central Bureau of Statistics, 1977-*The Analysis of Population Statistics of Nepal*, Kathmandu
* Same as * in Appendix 2.

CHAPTER XIII
Trends and Differentials in Mortality
APPENDIX 2
Estimated Life Table for Nepal 1953-1961
(Females)

Age Group	Central death rates $n^m x$	Probability of dying $n^q x^*$	Survivors to exact age x I_x	Persons living in age $x+n$ $n^L x$	Number of years still to be lived T_x	Expectation of life $e^o x$
0-0	0.2157	0.1947	100,000	86,371	374,159	37.41
1-4	0.0346	0.1360	80,530	300,215	3,654,788	45.38
5-9	0.0074	0.0369	69,578	341,472	3,354,573	48.21
10-14	0.0058	0.0289	67,011	330,213	3,013,101	44.96
15-19	0.0076	0.0379	65,074	319,205	2,682,888	41.23
20-24	0.0096	0.0478	62,608	305,557	2,363,683	37.75
25-29	0.0109	0.0542	59,616	289,998	2,058,126	34.52
30-34	0.0123	0.0611	56,384	273,308	1,768,128	31.36
35-39	0.0136	0.0675	52,939	255,763	1,494,820	28.24
40-44	0.0148	0.0735	49,366	237,760	1,239,057	25.10
45-49	0.0164	0.0813	45,738	219,395	1,001,297	21.89
50-54	0.0216	0.1068	42,020	198,880	781,902	18.61
55-59	0.0281	0.1386	37,532	174,655	583,022	15.53
60-64	0.0419	0.2052	32,330	145,065	408,367	12.63
65-69	0.0584	0.2537	25,696	112,183	263,302	10.25
70 & over	0.1269	1.0000	19,177	151,119	151,119	7.88

* converting formula $n^q x = \frac{2n.n^m x}{2 + n.n^m x}$

$$L_1 = 0.30p_0 + 0.7p_1$$

$${}^\infty L_{70} = \frac{{}^\infty P_{70}}{{}^\infty P_{70}}$$

Source: Same as appendix 1.

CHAPTER XIII
Trends and Differentials in Mortality
APPENDIX 3
Estimated Life Table for Nepal 1961-1971
(Males)

Age Group	Central death rates n^m_x	Probability of dying $n^q_x^*$	Survivors to exact age x I_x	Persons living in age $x+n$ n^L_x	Number of years still to be lived T_x	Expectation of life e^o_x
0-0	0.2328	0.2085	100,000	85,405	3,704,230	37.04
1-4	0.0309	0.1217	79,150	297,334	3,618,925	45.72
5-9	0.0063	0.0314	69,517	342,128	3,321,591	47.78
10-14	0.0045	0.0224	67,334	332,900	2,979,463	44.25
15-19	0.0064	0.0319	65,826	323,880	2,646,563	40.21
20-24	0.0092	0.0458	63,726	311,333	2,322,683	36.45
25-29	0.0101	0.0502	60,807	296,405	2,011,350	33.08
30-34	0.0117	0.0582	57,755	280,373	1,714,945	29.69
35-39	0.0138	0.0685	54,394	262,655	1,434,572	26.37
40-44	0.0170	0.0843	50,668	242,662	1,171,917	23.13
45-49	0.0204	0.1010	46,397	220,270	929,255	20.03
50-54	0.0266	0.1313	41,711	194,862	708,985	17.00
55-59	0.0341	0.1676	36,234	165,988	514,123	14.19
60-64	0.0479	0.2339	30,161	133,167	348,135	11.54
65-69	0.0664	0.3213	23,106	69,970	214,968	9.30
70 & over	0.1329	1.0000	15,682	117,998	117,998	7.52

Source: Same as Appendix 1.

CHAPTER XIII
Trends and Differentials in Mortality
APPENDIX 4
Estimated Life Table for Nepal 1961-1971
(Females)

Age Group	Central death rates n^m_x	Probability of dying $n^q_x^*$	Survivors to exact age x I_x	Persons living in age $x+n$ n^L_x	Number of years still to be lived T_x	Expectation of life e^o_x
0-0	0.1943	0.1771	100,000	87,603	3,989,541	39.90
1-4	0.0308	0.1213	82,290	309,196	3,901,938	47.42
5-9	0.0067	0.0334	72,308	355,508	3,592,742	49.69
10-14	0.0052	0.0259	69,893	344,940	3,237,239	46.32
15-19	0.0069	0.0344	68,083	334,560	2,892,299	42.48
20-24	0.0087	0.0433	65,741	321,588	2,557,739	38.91
25-29	0.0099	0.0493	62,894	306,718	2,236,151	35.55
30-34	0.0111	0.0552	59,793	290,713	1,929,433	32.27
35-39	0.0124	0.0616	56,492	273,760	1,638,720	29.01
40-44	0.0135	0.0670	53,012	256,180	1,364,960	25.75
45-49	0.0151	0.0749	49,460	238,038	1,108,780	22.42
50-54	0.0200	0.0990	45,755	217,450	870,742	19.03
55-59	0.0262	0.1293	41,225	192,800	653,292	15.85
60-64	0.0391	0.1918	35,895	162,263	460,492	12.83
65-69	0.0549	0.2672	29,010	125,672	298,229	10.28
70 & over	0.1232	1.0000	21,259	172,557	172,557	8.12

Source: Same as Appendix 1

* Same as * in Appendix 2

CHAPTER XIII
Trends and Differentials in Mortality
APPENDIX 5
Abridged Life Table for Nepal for the Period 1961-70
(Males)

Age	n^m_x	$n^q_x^*$	I_x	n^L_x	T_x	e^o_x
0	.19978	.80022	100,000	86,015	4,293,736	42.9
1	.11293	.88707	80,022	296,130	4,207,721	52.6
5	.04229	.95771	70,985	347,420	3,911,591	55.1
10	.01553	.98447	67,983	337,275	3,564,171	52.4
15	.01564	.98436	66,027	322,020	3,226,896	48.2
20	.01842	.98158	65,881	326,370	2,894,876	43.9
25	.02396	.97604	64,667	319,463	2,568,506	39.7
30	.03245	.96755	63,118	310,470	2,249,043	35.6
35	.04070	.95930	61,070	299,135	1,938,573	31.7
40	.05537	.94463	58,584	284,810	1,639,438	28.0
45	.06891	.93109	55,340	267,168	1,354,628	24.5
50	.08849	.91151	51,527	246,235	1,087,460	21.1
55	.10916	.89084	46,967	222,018	841,225	17.9
60	.13568	.86432	41,840	195,010	619,207	14.8
65	.16740	.83260	36,164	165,685	424,197	11.7
70	.20965	.79035	30,110	134,768	258,512	8.6
75+			23,797	123,744	123,744	5.2

Source: Gubhaju, B.B., An Abridged Life Table Construction for Nepal for the period 1961-71, Nepal FP/MCH Project, 1974.

CHAPTER XIII
Trends and Differentials in Mortality
APPENDIX 6
Abridged Life Table for Nepal for the Period 1961-70
(Females)

Age	n^m_x	$n^q_x^*$	I_x	n^L_x	T_x	e^o_x
0	.18571	.81429	100000	87000	3886053	38.9
1	.11566	.88434	81429	300,962	3799053	46.7
5	.05598	.94402	72011	349975	3498091	48.6
10	.02775	.97225	67979	335180	3148116	46.3
15	.02789	.97211	66093	325857	2812936	42.6
20	.03425	.96575	64250	315747	2487079	38.7
25	.04362	.95638	62049	303477	2171332	35.0
30	.06041	.93959	59342	287747	1867855	31.5
35	.07442	.92558	55757	268412	1580108	28.3
40	.08375	.91625	51608	247235	1311696	25.4
45	.09652	.90348	47286	225022	1064461	22.5
50	.11035	.88965	42722	201825	839441	19.6
55	.12893	.87107	38008	177790	637616	16.8
60	.15652	.84348	33108	152585	459826	13.9
65	.19243	.80757	27926	126195	307241	11.0
70	.24171	.75829	22552	99132	181046	8.0
75+			17,101	81,914	81,914	4.8

Source: Same as appendix 5.

CHAPTER XIII
Trends and differentials in Mortality
APPENDIX 7
Estimated Life Table for Nepal 1981
(Males)*

Age Group	Central death rates n^m_x	Probability of dying $n^q_x^*$	Survivors to exact age x I_x	Persons living in age $x+n$ n^l_x	Number of years still to be lived T_x	Expectation of life e^o_x
0	0.11680	.12672	100000	92174	5088002	50.88
1	0.05473	.01420	88320	340479	4995828	56.57
5	0.01679	.00339	83486	413926	4655349	55.76
10	0.01230	.00248	82085	407898	4241422	51.67
15	0.01848	.00373	81075	401628	3833524	47.28
20	0.02622	.00531	79577	392666	3431897	43.13
25	0.02852	.00579	77490	381923	3039231	39.22
30	0.03259	.00662	75279	370265	2657308	35.30
35	0.03907	.00797	72826	357019	2287043	31.40
40	0.04913	.01007	69981	341310	1930024	27.58
45	0.06253	.01291	66543	322313	1588714	23.87
50	0.08466	.01768	62382	298706	1266402	20.30
55	0.11454	.02430	57100	269151	967696	16.95
60	0.16258	.03539	50560	232250	698545	13.82
65	0.22722	.05127	42340	187649	466295	11.01
70	0.32079	.07641	32719	137357	278646	8.52
75	0.44822	.11554	22223	86214	141289	6.36
80	1.00000	.22265	12262	55075	55075	4.49

* Prepared by Central Bureau of Statistics.

1. Estimate is Made on the basis of West Model Life Table 14.58.

CHAPTER XIII
Trends and differentials in Mortality
APPENDIX 8
Estimated Life Table for Nepal 1981
(Females)*

Age Group	Central death rates n^m_x	Probability of dying $n^q_x^*$	Survivors to exact age x I_x	Persons living in age $x+n$ n^l_x	Number of years still to be lived T_x	Expectation of life e^o_x
0	0.12837	.14006	100000	91656	4810000	48.10
1	0.08009	.02114	87163	330230	4718344	54.13
5	0.02347	.00475	80182	396207	4388114	54.73
10	0.01830	.00369	78301	387920	3991907	50.98
15	0.02470	.00500	76867	379591	3603986	46.89
20	0.03142	.00638	74969	368955	3224396	43.01
25	0.03551	.00723	72613	356620	2855440	39.32
30	0.04024	.00821	70035	343127	2498821	35.68
35	0.04494	.00920	67216	328529	2155694	32.07
40	0.04998	.01025	64195	312956	1827164	28.46
45	0.05731	.01180	60987	296197	1514209	24.83
50	0.07604	.01581	57492	276530	1218011	21.19
55	0.10045	.02115	53120	252261	941481	17.72
60	0.14712	.03176	47784	221347	689220	14.42
65	0.20605	.04594	40754	182778	467873	11.48
70	0.30142	.07098	32357	137402	285095	8.81
75	0.42660	.10845	22604	88913	147693	6.53
80	1.00000	.22050	12961	58780	58780	4.54

* Prepared by Central Bureau of Statistics.

1. Estimate is Made on the basis of West Model Life Table 12.24.

CHAPTER XIII
Trends and differentials in Mortality
APPENDIX 9
Estimated Life Table for Nepal 1971-81
(Males)*

Age Group	Central death rates n^m_x	Probability of dying n^q_x *	Survivors to exact age x I_x	Persons living in age $x+n$ n^l_x	Number of years still to be lived T_x	Expectation of life e^o_x
0	0.14448	.15997	100000	90320	4628000	46.28
1	0.07525	.01980	85552	325160	4537681	53.04
5	0.02158	.00436	79114	391301	4212520	53.25
10	0.01559	.00314	77406	384015	3821219	49.37
15	0.02264	.00458	76200	376685	3437204	45.11
20	0.03206	.00652	74474	366402	3060519	41.09
25	0.03517	.00716	72086	354093	2694117	37.37
30	0.04033	.00823	69551	340742	2340024	33.64
35	0.04785	.00981	66746	325745	1999282	29.95
40	0.05928	.01222	63552	308342	1673537	26.33
45	0.07318	.01519	59785	287987	1365194	22.84
50	0.09683	.020.5	55410	263636	1077208	19.44
55	0.12721	.02717	50044	234307	813572	16.26
60	0.17774	.03901	43678	198984	579265	13.26
65	0.24404	.05559	35915	157664	380281	10.59
70	0.33933	.08173	27151	112721	222617	8.20
75	0.46832	.12230	17938	68687	109896	6.13
80	1.00000	.23142	9537	41210	41210	4.32

* Prepared by Central Bureau of Statistics.

1. Estimate is Made on the basis of West Model Life Table 12.68.

CHAPTER XIII
Trends and differentials in Mortality
APPENDIX 10
Estimated Life Table for Nepal 1971-81
(Females)*

Age Group	Central death rates n^m_x	Probability of dying n^q_x *	Survivors to exact age x I_x	Persons living in age $x+n$ n^l_x	Number of years still to be lived T_x	Expectation of life e^o_x
0	0.15037	.16666	100000	90226	4429003	44.29
1	0.09694	.02589	84963	318115	4338777	51.07
5	0.02808	.00570	76726	378246	4020662	52.40
10	0.02191	.00443	74572	368774	3642416	48.84
15	0.02927	.00594	72938	359351	3273642	44.88
20	0.03703	.00755	70803	347459	2914291	41.16
25	0.04174	.00853	66181	333790	2566832	37.65
30	0.04723	.00963	65335	318961	2233043	34.18
35	0.05245	.01077	62249	303083	1914082	30.75
40	0.05771	.01189	58984	286410	1610999	27.31
45	0.06505	.01345	55580	268861	1324589	23.83
50	0.08558	.01788	51964	248704	1055729	20.32
55	0.11171	.02366	47517	224316	807025	16.98
60	0.16256	.03539	42209	193891	582709	13.81
65	0.22372	.05038	35347	156967	388818	11.00
70	0.32251	.07690	27439	115074	231850	8.45
75	0.44913	.11584	18590	72076	116777	6.28
80	1.00000	.22909	10241	44701	44701	4.37

* Prepared by Central Bureau of Statistics.

1. Estimate is Made on the basis of West Model Life Table 10.72.