

Population and Health in Developing Countries. Volume 1, Population, Health, and Survival at INDEPTH Sites. INDEPTH Network. Ottawa: International Development Research Centre, 2002

Table 6A.7. Life table for the Gwembe DSS site, Zambia, 1991-95.

Age (years)	nD_x	nPY_x	nM_x	SE_{nM_x}	nq_x	SE_{nq_x}	l_x	SE_{l_x}	n^d_x	nL_x	T_x	e_x (years)	SE_{e_x} (years)
Male													
<1	97	853	0.113 716	0.010 919	0.105 666	0.010 146	100 000	0.000 0	10 567	92 920	4 731 883	47.32	1.619 7
1-4	90	2 795	0.032 200	0.003 187	0.118 607	0.011 737	89 433	10.294 3	10 607	329 420	4 638 962	51.87	1.529 4
5-9	12	2 665	0.004 503	0.001 285	0.022 263	0.006 355	78 826	19.016 3	1 755	389 743	4 309 542	54.67	1.406 0
10-14	11	2 153	0.005 109	0.001 521	0.025 224	0.007 509	77 071	20.688 4	1 944	380 495	3 919 799	50.86	1.380 3
15-19	5	1 848	0.002 706	0.001 202	0.013 437	0.005 969	75 127	23.006 8	1 010	373 111	3 539 304	47.11	1.350 2
20-24	3	1 814	0.001 654	0.000 951	0.008 235	0.004 735	74 118	24.403 5	610	369 062	3 166 193	42.72	1.334 8
25-29	11	1 349	0.008 154	0.002 409	0.039 956	0.011 804	73 507	25.234 7	2 937	360 193	2 797 131	38.05	1.327 2
30-34	19	1 096	0.017 336	0.003 808	0.083 078	0.018 251	70 570	30.787 3	5 863	338 193	2 436 938	34.53	1.287 8
35-39	15	751	0.019 973	0.004 906	0.095 117	0.023 362	64 707	42.472 4	6 155	308 149	2 098 744	32.43	1.206 6
40-44	10	586	0.017 065	0.005 171	0.081 833	0.024 796	58 552	57.629 0	4 792	280 784	1 790 595	30.58	1.098 1
45-49	5	461	0.010 846	0.004 721	0.052 798	0.022 980	53 761	69.663 0	2 838	261 709	1 509 811	28.08	1.004 3
50-54	8	386	0.020 725	0.006 957	0.098 522	0.033 072	50 922	77.764 2	5 017	242 070	1 248 103	26.51	0.947 2
55-59	7	264	0.026 515	0.009 378	0.124 334	0.043 975	45 905	91.559 0	5 708	215 258	1 006 033	21.92	0.853 3
60-64	9	253	0.035 573	0.010 846	0.163 339	0.049 802	40 198	110.958 6	6 566	184 575	790 774	19.67	0.726 5
65-69	1	141	0.007 092	0.006 968	0.034 843	0.034 231	33 632	117.748 1	1 172	165 230	606 200	18.02	0.599 2
70-74	3	88	0.034 091	0.018 071	0.157 068	0.083 258	32 460	122.939 4	5 098	149 555	440 970	13.58	0.569 9
75-79	3	44	0.068 182	0.033 140	0.291 262	0.141 568	27 362	160.390 4	7 969	116 885	291 415	10.65	0.445 5
80-84	0	14	0.000 000	0.000 000	0.000 000	0.000 000	19 392	230.609 3	0	96 961	174 530	9.00	0.000 0
≥85	4	16	0.250 000	NA	1.000 000	NA	19 392	230.609 3	19 392	77 569	77 569	4.00	NA
Female													
<1	82	794	0.103 275	0.010 839	0.096 705	0.010 150	100 000	0.000 0	9 670	93 638	5 365 525	53.66	1.777 9
1-4	75	2 741	0.027 362	0.002 994	0.102 089	0.011 170	90 330	10.301 8	9 222	337 021	5 271 887	58.36	1.673 9
5-9	9	2 782	0.003 235	0.001 070	0.016 046	0.005 305	81 108	18.486 7	1 301	402 286	4 934 866	60.84	1.546 5
10-14	5	2 353	0.002 125	0.000 945	0.010 569	0.004 701	79 806	19.749 9	843	396 924	4 532 580	56.79	1.525 3
15-19	5	2 347	0.002 130	0.000 948	0.010 595	0.004 713	78 963	20.742 4	837	392 723	4 135 656	52.37	1.511 3
20-24	11	1 981	0.005 553	0.001 651	0.027 384	0.008 143	78 126	21.690 3	2 139	385 283	3 742 933	47.91	1.499 7
25-29	11	1 585	0.006 940	0.002 057	0.034 109	0.010 107	75 987	24.565 6	2 592	373 455	3 357 650	44.19	1.470 0
30-34	12	1 210	0.009 917	0.002 793	0.048 387	0.013 626	73 395	28.816 9	3 551	358 097	2 984 194	40.66	1.432 1
35-39	8	899	0.008 899	0.003 077	0.043 526	0.015 050	69 844	36.097 3	3 040	341 619	2 626 097	37.60	1.374 8
40-44	6	680	0.008 824	0.003 524	0.043 165	0.017 238	66 804	44.072 5	2 884	326 810	2 284 478	34.20	1.319 6
45-49	4	496	0.008 065	0.003 952	0.039 526	0.019 368	63 920	53.610 3	2 526	313 285	1 957 668	30.63	1.263 2
50-54	11	495	0.022 222	0.006 338	0.105 263	0.030 021	61 394	64.783 2	6 462	290 812	1 644 383	26.78	1.210 1
55-59	3	392	0.007 653	0.004 335	0.037 547	0.021 267	54 931	85.833 0	2 062	269 500	1 353 571	24.64	1.101 9
60-64	4	330	0.012 121	0.005 880	0.058 824	0.028 534	52 869	93.155 8	3 110	256 569	1 084 072	20.50	1.068 6
65-69	6	242	0.024 793	0.009 513	0.116 732	0.044 788	49 759	105.275 4	5 808	234 273	827 503	16.63	1.028 9
70-74	7	121	0.057 851	0.018 902	0.252 708	0.082 569	43 950	131.797 7	11 107	191 985	593 230	13.50	0.965 1
75-79	1	37	0.027 207	0.025 259	0.126 582	0.118 300	32 844	205.292 2	4 157	153 825	401 245	12.22	0.803 9
80-84	2	19	0.105 263	0.056 849	0.416 667	0.225 026	28 686	307.573 0	11 953	113 550	247 420	8.63	0.677 8
≥85	1	8	0.125 000	NA	1.000 000	NA	16 734	521.351 4	16 734	133 870	133 870	8.00	NA

Note: nD_x , observed deaths between ages x and $x+n$; d_x , number dying between ages x and $x+n$; e_x , expectation of life at age x for the life-table population; l_x , number of survivors at age x in the life-table population; nL_x , person-years lived by the life-table population between ages x and $x+n$; nM_x , observed mortality rate for ages x to $x+n$; M_x , not applicable; nPY_x , observed person-years between ages x and $x+n$; q_x , probability of dying between ages x and $x+n$; SE_{l_x} , standard error in l_x ; SE_{nM_x} , standard error in nM_x ; SE_{nq_x} , standard error in nq_x ; SE_{e_x} , standard error in e_x ; T_x , person-years lived by the life-table population at ages older than x .

Table 6A.8. Life table for the Hai DSS site, Tanzania, 1994/95-1998/99.

Age (years)	nD_x	nPY_x	nM_x	SE_{nM_x}	nq_x	SE_{nq_x}	l_x	SE_{l_x}	n^d_x	nL_x	T_x	e_x (years)	SE_{e_x} (years)
Male													
<1	699	9 999	0.069 906	0.002 554	0.066 778	0.002 440	100 000	0.000 0	6 678	95 526	5 626 254	56.26	0.349 4
1-4	297	43 648	0.006 804	0.000 390	0.026 733	0.001 530	93 322	0.595 4	2 495	366 633	5 530 728	59.26	0.317 3
5-9	161	54 209	0.002 970	0.000 232	0.014 741	0.001 153	90 827	0.767 9	1 339	450 790	5 164 095	56.86	0.305 7
10-14	79	48 642	0.001 624	0.000 182	0.008 088	0.000 906	89 489	0.855 1	724	445 634	4 713 305	52.67	0.300 2
15-19	94	36 738	0.002 559	0.000 262	0.012 712	0.001 303	88 765	0.907 1	1 128	441 003	4 267 671	48.08	0.297 4
20-24	110	25 682	0.004 283	0.000 404	0.021 189	0.001 999	87 636	1.017 9	1 857	433 540	3 826 668	43.67	0.292 6
25-29	164	22 076	0.007 429	0.000 569	0.036 467	0.002 795	85 780	1.282 1	3 128	421 077	3 393 128	39.56	0.283 1
30-34	252	20 518	0.012 282	0.000 750	0.059 579	0.003 640	82 651	1.765 2	4 924	400 946	2 972 050	35.96	0.267 7
35-39	272	18 068	0.015 054	0.000 879	0.072 541	0.004 236	77 727	2.466 0	5 638	374 540	2 571 104	33.08	0.245 4
40-44	236	14 725	0.016 027	0.001 002	0.077 047	0.004 818	72 089	3.205 3	5 554	346 558	2 196 564	30.47	0.220 1
45-49	215	12 219	0.017 595	0.001 148	0.084 270	0.005 500	66 534	3.936 8	5 607	318 655	1 850 006	27.81	0.193 3
50-54	197	10 877	0.018 111	0.001 233	0.086 632	0.005 899	60 928	4.640 2	5 278	291 442	1 531 351	25.13	0.167 7
55-59	154	10 084	0.015 271	0.001 184	0.073 547	0.005 705	55 649	5.162 8	4 093	268 015	1 239 909	22.28	0.138 5
60-64	221	10 048	0.021 995	0.001 400	0.104 244	0.006 637	51 556	5.439 1	5 374	244 346	971 894	18.85	0.120 8
65-69	211	7 186	0.029 361	0.001 878	0.136 768	0.008 748	46 182	5.534 9	6 316	215 120	727 548	15.75	0.103 4
70-74	247	5 917	0.041 743	0.002 392	0.188 993	0.010 830	39 866	5.756 6	7 534	180 493	512 428	12.85	0.082 8
75-79	225	3 867	0.058 188	0.003 351	0.253 992	0.014 625	32 331	5.650 2	8 212	141 127	331 935	10.27	0.061 7
80-84	182	2 407	0.075 623	0.004 629	0.317 997	0.019 466	24 120	5.380 4	7 670	101 423	190 808	7.91	0.037 3
≥85	412	2 239	0.184 030	NA	1.000 000	NA	16 450	4.707 0	16 450	89 385	89 385	5.43	NA
Female													
<1	587	10 000	0.058 700	0.002 353	0.056 543	0.002 267	100 000	0.000 0	5 654	96 325	6 280 020	62.80	0.359 9
1-4	293	43 160	0.006 789	0.000 391	0.026 677	0.001 538	94 346	0.513 9	2 517	370 741	6 183 695	65.54	0.327 1
5-9	118	53 555	0.002 203	0.000 202	0.010 956	0.001 003	91 829	0.697 2	1 006	456 629	5 812 954	63.30	0.312 8
10-14	61	47 642	0.001 280	0.000 163	0.006 382	0.000 814	90 823	0.766 9	580	452 665	5 356 325	58.98	0.307 6
15-19	56	38 453	0.001 456	0.000 194	0.007 255	0.000 966	90 243	0.811 8	65				