

Dorrington, R., Moultrie, T.A. (2004): Estimation of mortality using the South African Census 2001 data. CARE Monograph N° 11. Centre for Actuarial Research (CARE), University of Cape Town.

Downloaded from <https://www.commerce.uct.ac.za/> (05.12.2019)

Note:

Population groups or ethnicities included in the 2001 Census -[see Questionnaire A, section A](#)- are (1) Black African, (2) Coloured, (3) Indian or Asian, (4) White and (5) Other. For consistency purposes, these groups have been coded in the HLD tables as (1) Black, (2) Non-White, (3) Asian and (4) White.



## Centre for Actuarial Research (CARE)

A Research Unit of the University of Cape Town

# Estimation of mortality using the South African Census 2001 data

Rob Dorrington  
Tom A Moultrie  
*Centre for Actuarial Research  
University of Cape Town*

Ian M Timæus  
*Centre for Population Studies  
London School of Hygiene & Tropical Medicine*

Age	<i>Indian</i>				<i>White</i>			
	<i>Male</i>		<i>Female</i>		<i>Male</i>		<i>Female</i>	
	$l_x$	${}_nL_x$	$l_x$	${}_nL_x$	$l_x$	${}_nL_x$	$l_x$	${}_nL_x$
0	100 000	98 742	100 000	99 198	100 000	99 297	100 000	99 371
1	98 629	392 666	99 130	394 814	99 247	395 177	99 322	395 681
5	97 908	488 867	98 483	491 790	98 527	492 208	98 709	493 112
10	97 639	487 350	98 233	490 484	98 356	491 268	98 536	492 318
15	97 301	484 070	97 960	488 682	98 151	488 627	98 391	490 985
20	96 329	477 313	97 513	486 025	97 301	482 744	98 003	488 589
25	94 602	467 410	96 898	482 928	95 800	474 336	97 433	485 780
30	92 371	456 868	96 274	479 706	93 941	465 449	96 880	482 500
35	90 384	445 351	95 609	475 600	92 244	455 768	96 121	478 002
40	87 769	431 155	94 633	470 075	90 072	443 260	95 081	472 232
45	84 711	411 098	93 400	462 138	87 247	426 798	93 814	464 079
50	79 778	384 051	91 462	449 420	83 499	404 874	91 824	452 042
55	73 917	347 686	88 324	429 013	78 502	376 028	89 007	434 733
60	65 334	301 651	83 330	399 656	72 003	339 253	84 918	409 523
65	55 589	244 232	76 626	356 648	63 861	290 680	78 963	373 798
70	42 672	176 918	66 283	295 709	52 764	230 359	70 708	326 014
75	28 976	111 877	52 533	223 723	39 971	161 100	59 991	262 135
80	16 862	57 429	37 767	143 778	25 542	90 603	45 527	178 155
85	7 395	21 587	21 306	68 725	12 298	36 986	27 285	89 583
90	2 241	5 603	8 227	20 569	4 012	10 030	10 986	27 466

\* These life tables are illustrative and should not be taken as implying accuracy of childhood mortality rates