

APPENDIX A: DATA

Table A.1 Sources of GDP growth

Sector	Average annual growth rate			Average contribution to growth		
	1990-94	1995-99	2000-04	1990-94	1995-99	2000-04
Agriculture	3.1%	3.6%	4.8%	1.5%	1.8%	2.3%
Crops	3.2%	3.9%	4.8%	1.1%	1.4%	1.7%
Livestock	2.5%	2.7%	4.1%	0.2%	0.2%	0.3%
Forestry and Hunting	2.8%	2.4%	3.9%	0.1%	0.1%	0.1%
Fishing	3.4%	3.7%	6.6%	0.1%	0.1%	0.2%
Industry	2.0%	5.4%	8.7%	0.3%	0.9%	1.5%
Mining and Quarrying	11.8%	14.8%	15.2%	0.1%	0.2%	0.4%
Manufacturing	0.4%	4.6%	7.0%	0.0%	0.4%	0.6%
Electricity and Water	4.0%	5.7%	4.3%	0.1%	0.1%	0.1%
Electricity	4.5%	6.3%	4.4%	0.1%	0.1%	0.1%
Water	0.8%	1.9%	3.6%	0.0%	0.0%	0.0%
Construction	2.2%	3.5%	10.0%	0.1%	0.2%	0.5%
Services	1.9%	3.8%	5.9%	0.7%	1.3%	2.0%
Trade, Hotels and Restaurants	2.0%	4.5%	6.9%	0.3%	0.7%	1.1%
Transport and Communication	3.6%	4.8%	6.0%	0.2%	0.2%	0.3%
Financial and Business Services	2.9%	3.6%	4.3%	0.3%	0.4%	0.4%
Finance and Insurance	2.6%	3.5%	3.6%	0.1%	0.1%	0.1%
Real Estate	3.0%	3.7%	4.8%	0.2%	0.2%	0.3%
Business Services	3.6%	4.5%	5.5%	0.0%	0.0%	0.0%
Public Admin. and Other Services	1.9%	1.6%	3.9%	0.2%	0.1%	0.3%
Public Administration	0.6%	-0.2%	2.4%	0.0%	0.0%	0.1%
Education	4.9%	4.2%	6.7%	0.1%	0.0%	0.1%
Health	3.9%	3.6%	5.9%	0.0%	0.0%	0.0%
Other Services	4.7%	6.0%	5.4%	0.1%	0.1%	0.1%
Less Fin. Services (ind.measured)	5.7%	3.4%	3.6%	-0.3%	-0.2%	-0.2%
Total GDP (factor cost)	2.5%	4.0%	5.8%	2.5%	4.0%	5.8%

Source: URT, Economic Survey 2004

Table A.2 Attendance in primary school by age and sex, 2002

Age	All	Boys	Girls
7	42%	40%	44%
8	60%	57%	62%
9	72%	70%	74%
10	76%	75%	77%
11	82%	82%	81%
12	81%	81%	80%
13	79%	80%	77%
14	72%	75%	69%
15	57%	61%	53%
16	41%	47%	36%
17	23%	28%	17%

Source: NBS, Census 2002

Table A.3 Estimated enrolment based on projected census population for 2004

Age	All	Boys	Girls
7	93%	92%	93%
8	104%	105%	103%
9	106%	108%	105%
10	97%	100%	93%
11	83%	84%	82%
12	67%	67%	67%
13	85%	86%	84%
14	49%	50%	48%
15	40%	43%	37%
16	21%	23%	18%
17	10%	12%	8%

Sources: Ministry of Education and Culture, Basic Statistics, 2004; NBS, Census 2002

Table A.4 Cohort retention rates in primary school, girls, 1997-2004.

Girls	1997	1998	1999	2000	2001	2003	2004
Std 1-2	96%	95%	97%	93%	93%	93%	99%
Std 1-3	93%	91%	92%	90%	90%	88%	96%
Std 1-4	90%	87%	87%	86%	90%	84%	94%
Std 1-5	84%	79%	83%	79%	83%	80%	89%
Std 1-6	78%	75%	80%	76%	81%	77%	86%
Std 1-7	75%	68%	76%	70%	76%	72%	81%

Source: Ministry of Education and Culture, Basic Statistics 1997-2004

Table A.5 Percentage cohort retention rates in primary school, boys, 1997-2004.

Boys	1997	1998	1999	2000	2001	2003	2004
Std 1-2	95	93	96	95	94	95	98
Std 1-3	91	89	92	92	91	89	94
Std 1-4	86	84	86	87	88	84	91
Std 1-5	78	74	78	80	79	80	85
Std 1-6	73	69	75	75	76	77	82
Std 1-7	68	63	70	69	71	73	77

Source: Ministry of Education and Culture, Basic Statistics 1997-2004

Table A.6 Distribution of qualified teachers and pupil/qualified teacher ratios, by region, 2001 and 2004

Region	Percent diploma and grade A teachers			Pupil/diploma - grade A teacher ratio		
	2001	2004	% Change	2001	2004	% Change
Arusha	51	64	25	95	97	3
Dar es Salaam	63	78	24	80	67	-16
Dodoma	41	48	17	109	109	0
Iringa	53	64	21	82	81	0
Kagera	52	58	12	90	111	23
Kigoma	40	51	26	141	145	3
Kilimanjaro	51	52	2	67	85	26
Lindi	41	50	22	89	101	14
Mara	46	49	5	98	129	31
Mbeya	50	63	27	93	96	4
Morogoro	48	56	17	88	90	3
Mtwara	46	50	8	76	103	35
Mwanza	53	59	10	99	122	23
Pwani	56	63	13	72	83	14
Rukwa	46	51	9	116	127	10
Ruvuma	52	56	7	73	92	26
Shinyanga	50	64	28	131	111	-15
Singida	50	51	3	97	119	23
Tabora	43	50	16	111	131	18
Tanga	48	53	9	89	112	26
Total	50	58	16	93	102	10

Source: Ministry of Education and Culture, 2001 and 2004

Table A.7 Enrolment in secondary education (public and private) and girl/boy ratios, by form, 2001-04

Year	Form I		Form II		Form III		Form IV		Form V		Form VI	
	Number	Girl/boy ratio	Number	Girl/boy ratio	Number	Girl/boy ratio	Number	Girl/boy ratio	Number	Girl/boy ratio	Number	Girl/boy ratio
2001	83,509	0.96	75,898	0.94	55,535	0.82	49,950	0.85	13,090	0.49	11,717	0.51
2002	97,694	0.88	84,580	0.96	64,529	0.85	49,726	0.78	14,129	0.50	12,660	0.47
2003	99,744	0.93	99,149	0.92	63,291	0.78	57,303	0.80	14,210	0.55	11,744	0.50
2004	147,490	0.98	113,461	0.93	79,786	0.79	60,861	0.77	17,200	0.55	13,801	0.51

Source: Ministry of Education and Culture, 2001-2004

DEVELOPING AN INDICATOR FOR THE OPERATIONAL TARGET OF REDUCING CHOLERA OUTBREAKS BY HALF BY 2010

A study is currently being carried out by WaterAid and the Epidemiology Unit of the Department for Preventive Services, Ministry of Health, to develop an indicator for the operational target 'reduce cholera out-breaks by half by 2010'.

Some of the data which are being analysed are presented in Table A.8 below, which shows the cholera attack rate per 100,000 people by region from 1997 to 2004. Overall, there is wide fluctuation year to year. There is also large regional variation due to the localised nature of cholera's epidemiology. For example, over the last 8 years annual attack rates of cholera have surpassed 100 cases per 100,000 population 7 times; in Mtwara (twice), Lindi (twice), Dar es Salaam (twice) and Rukwa (once). However, events like these are too infrequent to provide useful indicators, and so 10 cases per 100,000 may be a more useful threshold to set.

Over the past 8 years around 40 per cent of regional cholera attack rates reported have been above the level of 10 per 100,000. Given that retrospective data will be needed to assess this indicator, the best proxy indicator may be: reducing by half the number of regions experiencing annual attack rates of over 10 per 100,000.

Table A.8 Cholera attack rate per 100,000 people, by region, 1997-2004

Region	1997	1998	1999	2000	2001	2002	2003	2004
Arusha	0.8	3.1	61.4	34.7	18.0	14.9	14.7	18.7
Dar es Salaam	0.0	0.0	6.9	0.0	9.7	141.1	150.2	16.3
Dodoma	10.4	3.0	29.1	3.6	11.5	66.1	47.4	19.6
Iringa	0.0	0.0	0.0	0.0	0.7	0.0	0.2	4.6
Kagera	0.0	4.7	0.0	0.0	0.0	0.0	0.0	0.1
Kigoma	48.8	2.9	18.9	10.9	41.0	67.2	19.4	28.4
Kilimanjaro	20.9	8.3	30.3	11.7	2.0	0.0	0.0	6.2
Lindi	0.0	1.2	36.7	126.7	0.0	53.4	125.4	34.8
Manyara	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.6
Mara	0.0	0.0	0.1	0.0	1.0	0.0	0.5	0.1
Mbeya	12.7	6.2	3.3	0.0	0.0	7.1	14.4	62.9
Morogoro	83.8	47.7	9.8	0.0	1.9	93.0	54.0	46.5
Mtwara	90.6	51.1	1.7	92.3	0.0	6.2	224.6	155.8
Mwanza	26.7	18.1	13.5	0.5	1.7	0.0	0.0	0.0
Pwani	50.2	2.2	5.2	0.0	2.0	13.4	22.3	13.2
Rukwa	6.6	3.3	112.0	0.2	11.6	3.2	24.4	19.0
Ruvuma	28.1	1.8	50.9	1.6	0.0	0.0	24.3	10.0
Shinyanga	0.1	1.2	30.2	3.9	20.8	0.5	3.6	0.0
Singida	18.8	55.0	6.5	40.4	1.0	0.0	30.9	6.4
Tabora	0.0	5.7	6.4	0.3	0.6	0.4	0.0	0.2
Tanga	18.7	7.5	88.3	9.4	6.1	68.0	32.8	37.5
MAINLAND	18.1	10.1	24.8	12.0	6.9	28.5	35.0	20.9

Note: Attack rates ≥ 10 in 100,000 are shaded. Attack rates \geq than 100 in 100,000 are in bold and shaded.

Appendix Table A.9

See key for explanation of column entries

District	A	B	C	D	E	F	G ¹	H	I	J	K	L	M	N	O	P	Q	
Tanga	Lushoto	419,970	103	8,051	0.013	16	16	3	32	42	23	8.8	3.1	6.5	76	86	69	100
	Korogwe	261,004	83	4,910	0.017	31	25	8	30	32	23	9.5	4.0	6.8	77	85	70	100
	Muheza	279,423	66	4,419	0.015	33	22	8	30	29	24	8.4	2.8	6.3	71	79	64	100
	Tanga (U)	243,580	409	8,088	0.051	17	71	4	31	33	15	12.2	5.0	8.5	87	91	83	100
	Pangani	44,107	25	2,928	0.008	22	5	5	32	29	21	10.8	4.2	7.9	73	81	66	100
	Handeni	249,572	31	4,604	0.007	32	10	8	28	31	18	6.8	2.3	5.1	63	72	55	86
	Kilindi	144,359	26	-	-	38	10	10	26	30	17	6.9	1.9	5.4	53	63	44	78
Morogoro	Kilosa	489,513	34	10,387	0.003	30	10	8	33	30	17	8.5	3.2	6.2	65	72	58	81
	Morogoro (R)	263,920	20	6,921	0.003	31	6	9	32	32	24	11.8	4.4	8.8	58	72	46	89
	Kilombero	322,779	25	8,934	0.003	29	7	8	33	27	14	9.1	3.4	6.6	75	84	67	86
	Ulanga	194,209	9	5,086	0.002	28	2	8	34	27	17	10.3	3.6	7.6	72	82	63	68
	Morogoro (U)	228,863	426	10,853	0.039	14	60	3	32	31	10	10.8	4.2	8.1	85	90	81	82
	Mvomero	260,525	42	4,803	0.009	26	11	7	31	30	18	9.1	3.6	6.4	68	76	61	81
Pwani	Bagamoyo	230,164	27	6,025	0.004	40	11	11	30	29	21	10.8	4.1	8.1	63	73	54	93
	Kibaha	132,045	72	5,048	0.014	32	23	9	30	28	20	11.5	4.7	8.4	74	83	66	100
	Kisarawe	95,614	20	4,766	0.004	51	10	16	30	27	32	11.8	5.0	8.4	61	71	51	100
	Mkuranga	187,428	69	7,477	0.009	40	27	11	30	27	27	10.5	4.0	7.8	47	58	38	88
	Rufiji	203,102	15	3,673	0.004	34	5	9	30	33	26	9.4	3.2	6.9	51	62	41	86
	Mafia	40,801	68	3,380	0.020	43	29	14	34	28	18	9.9	3.5	7.4	67	77	58	99
DSM	Kinondoni	1,088,867	1,981	5,162	0.384	14	282	4	36	28	7	12.0	5.4	8.3	92	94	89	88
	Ilala MC	637,573	1,895	3,191	0.594	16	299	4	35	26	8	11.0	4.9	7.9	93	96	90	98
	Temeke	771,500	1,027	6,351	0.162	29	295	9	35	29	8	11.0	4.7	7.9	88	92	83	95
Arusha	Monduli	185,237	12	4,393	0.003	24	3	7	33	50	14	8.1	1.1	7.4	43	53	35	71
	Arumeru	516,814	181	7,352	0.025	18	33	4	30	33	16	7.0	1.7	5.8	79	84	74	99
	Arusha (U)	282,712	2,596	4,542	0.572	12	319	3	30	32	6	9.0	3.2	6.8	94	96	93	93
	Karatu	178,434	42	5,932	0.007	39	16	11	29	29	17	7.0	2.1	5.3	71	75	66	100
	Ngorongoro	129,776	8	7,187	0.001	24	2	5	26	51	14	10.5	0.9	9.8	28	38	21	71
Kilimanjaro	Rombo	246,479	181	6,143	0.029	37	67	9	27	35	25	8.1	2.5	6.5	82	87	78	96
	Mwanga	115,620	54	2,678	0.020	27	14	6	29	38	25	10.5	3.1	8.3	91	94	88	100
	Same	212,325	33	3,781	0.009	34	11	9	31	34	23	7.9	2.6	6.0	90	93	87	100
	Moshi (R)	402,431	287	5,424	0.053	28	79	7	29	33	29	9.3	3.1	7.3	89	92	85	99
	Hai	259,958	117	3,596	0.033	22	26	5	29	32	24	8.8	2.9	6.9	86	89	83	96
	Moshi (U)	144,336	2,405	7,568	0.318	18	424	4	32	34	8	8.4	3.1	6.5	96	97	95	100
Manyara	Babati	303,013	60	7,750	0.008	50	30	16	31	31	19	8.0	2.3	6.2	70	76	64	100
	Hanang	205,133	55	7,579	0.007	49	27	15	31	30	15	7.0	1.8	5.6	61	67	54	87
	Mbulu	237,882	62	7,909	0.008	49	30	16	33	28	19	7.2	2.3	5.2	67	71	62	86
	Simanjiro	141,676	7	5,041	0.001	24	2	6	30	41	10	6.8	1.4	5.9	62	71	52	72
	Kiteto	152,757	11	10,153	0.001	28	3	7	30	34	13	8.4	1.8	7.0	42	51	33	76

Notes: ¹ expressed as percentage: - indicates that data were not available.

District	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI
Lushoto	63	74	5.7	3.6	44	46	3.5	48	0.4	13	1.5	90	83	36	2.8	1.3	91	147
Korogwe	50	76	9.7	4.6	51	55	6.6	50	2.2	27	7.8	73	67	48	2.6	1.9	115	192
Muheze	63	77	5.2	4.2	24	32	1.9	50	1.9	31	5.8	80	78	67	2.4	1.7	96	158
Tanga (U)	51	80	4.5	2.0	66	89	21.0	70	13.1	44	36.6	29	33	33	2.2	1.2	75	118
Pangani	49	55	7.5	5.4	59	65	8.9	60	1.6	44	10.7	70	70	70	2.0	2.1	105	173
Handeni	64	82	8.6	7.6	38	41	5.0	45	1.1	37	4.8	85	89	68	2.6	1.5	104	172
Kilindi	67	76	18.9	17.4	29	29	1.2	41	0.1	35	0.1	94	78	75	3.1	1.8	108	179
Kilosa	53	13	12.5	9.6	55	62	2.8	45	0.5	37	4.4	84	45	62	2.4	2.3	101	166
Morogoro (R)	59	101	7.4	5.6	41	42	0.5	50	0.4	22	0.9	89	68	66	2.0	3.2	125	209
Kilombero	59	79	5.7	4.0	45	60	11.0	42	0.7	46	6.1	79	40	55	2.2	2.6	99	160
Ulanga	44	56	7.0	6.4	56	60	2.2	36	0.3	26	1.0	92	59	78	2.4	3.0	96	156
Morogoro (U)	35	76	2.7	2.1	21	88	17.1	71	11.1	35	32.7	32	19	8	2.2	1.4	77	123
Mvomero	49	83	12.8	9.1	51	56	1.5	47	0.8	37	3.4	82	44	56	2.1	2.9	92	148
Bagamoyo	59	67	11.5	9.9	22	31	1.5	60	2.5	40	6.0	80	84	64	2.2	2.4	105	174
Kibaha	44	66	3.1	2.8	28	60	5.0	68	6.2	36	10.2	57	60	34	1.9	2.5	98	160
Kisarawe	49	52	5.9	3.9	18	25	1.2	59	1.4	31	3.9	86	88	63	1.8	3.8	94	152
Mkuranga	59	102	7.4	7.1	7	9	0.3	63	0.6	35	0.6	90	92	79	2.0	2.5	105	173
Rufiji	47	51	8.4	6.5	9	21	0.8	51	1.4	34	2.4	89	90	79	2.1	2.5	97	158
Mafia	66	60	3.1	2.7	3	17	1.5	71	1.0	29	11.5	73	86	82	2.0	1.6	107	176
Kinondoni	49	103	1.7	1.2	48	92	15.6	76	22.4	16	45.5	12	8	3	2.2	1.0	86	138
Ilala MC	47	83	1.9	1.4	21	81	20.4	76	24.1	15	46.3	12	7	3	2.2	1.1	82	130
Temeke	56	82	2.2	1.8	35	89	11.8	74	14.6	14	34.8	15	8	6	2.2	1.3	84	134
Monduli	49	66	26.5	24.4	39	49	1.3	35	1.7	15	3.1	87	84	75	2.2	1.5	35	48
Arumeru	63	75	6.8	3.9	82	85	5.0	70	6.7	24	11.4	67	50	22	2.4	1.2	41	58
Arusha (U)	46	87	1.6	1.2	97	99	21.7	79	15.9	19	41.9	33	44	2	2.4	0.7	39	55
Karatu	64	69	22.5	16.4	61	64	1.2	44	2.3	27	3.5	82	74	55	2.9	2.3	61	93
Ngorongoro	77	77	28.4	24.4	31	34	1.5	16	1.0	3	2.0	94	96	90	3.3	1.6	31	40
Rombo	53	65	1.8	0.7	93	93	1.7	67	1.9	31	7.7	68	35	3	2.2	1.6	49	73
Mwanga	38	49	12.0	2.0	82	74	4.3	73	4.0	23	22.1	53	38	14	1.9	1.9	47	68
Same	44	53	2.6	1.7	52	66	1.8	57	1.8	20	9.8	66	32	28	2.3	1.7	55	84
Moshi (R)	43	49	3.5	1.5	76	75	3.7	76	3.9	16	10.9	56	44	8	2.2	1.5	40	57
Hai	42	59	3.9	2.4	66	68	3.5	77	4.4	30	14.8	54	35	10	2.2	1.6	44	65
Moshi (U)	40	61	1.8	1.0	0	92	36.1	83	15.4	23	46.6	13	6	0	2.1	1.1	44	63
Babati	66	71	4.5	3.7	49	56	1.5	43	1.1	37	4.6	82	46	56	2.8	2.3	59	91
Hanang	71	91	7.9	5.8	40	45	0.8	30	0.7	29	3.3	90	65	76	3.0	2.2	66	103
Mbulu	63	63	2.8	2.3	17	24	0.6	27	0.6	25	2.2	92	86	79	3.0	2.5	69	107
Simanjiro	66	92	22.4	20.1	37	36	0.8	50	5.4	22	9.1	65	52	50	2.7	1.2	40	57
Kiteto	68	89	18.2	17.2	18	23	0.4	39	0.6	31	1.5	93	58	66	3.1	1.9	101	167

District	A	B	C	D	E	F	G ¹	H	I	J	K	L	M	N	O	P	Q	
Tabora	Nzega	417,097	51	10,380	0.005	35	18	10	31	29	23	7.4	3.4	5.0	49	58	41	65
	Igunga	325,547	45	9,003	0.005	48	22	15	30	28	19	6.9	2.5	5.0	49	58	42	67
	Uyui	282,272	25	9,693	0.003	48	12	15	30	26	21	5.5	2.4	3.8	49	58	41	58
	Urambo	370,796	17	10,863	0.002	41	7	12	31	25	18	6.6	2.5	4.7	57	67	48	69
	Sikonge	133,388	5	6,986	0.001	43	2	12	31	32	20	5.7	2.5	4.0	49	57	41	75
Kigoma	Tabora (U)	188,808	123	4,273	0.029	23	29	6	33	33	17	9.5	4.1	6.5	77	85	71	86
	Kibondo	414,764	95	7,013	0.014	39	37	11	30	33	19	6.8	2.1	5.2	59	70	50	63
	Kasulu	628,677	62	10,109	0.006	40	25	12	31	29	20	6.8	2.1	5.2	64	74	57	74
	Kigoma (R)	490,816	35	8,436	0.004	39	14	12	33	31	17	8.6	2.8	6.4	60	72	50	87
Shinyanga	Kigoma (U)	144,852	576	12,021	0.048	27	153	8	38	33	13	10.2	3.4	7.9	79	88	72	100
	Bariadi	605,509	58	14,722	0.004	46	26	14	30	37	18	8.7	2.3	7.1	51	63	42	80
	Maswa	305,473	82	15,220	0.005	44	36	13	30	35	20	7.5	2.8	5.6	60	71	51	91
	Shinyanga (R)	277,518	74	8,916	0.008	43	32	13	31	32	21	7.1	2.8	5.0	57	67	47	87
	Kahama	596,456	68	19,830	0.003	37	25	11	32	29	16	6.6	2.6	4.8	57	67	47	84
	Bukombe	396,423	40	26,353	0.002	48	19	15	30	26	13	6.1	2.2	4.4	53	64	42	81
	Meatu	248,949	27	10,792	0.002	53	14	17	31	36	18	8.2	2.7	6.3	55	65	45	97
	Shinyanga (U)	135,166	243	3,957	0.061	22	53	6	32	33	14	9.6	3.8	7.1	75	82	69	95
	Kishapu	240,086	56	7,478	0.007	46	25	14	30	32	19	7.1	3.0	5.0	61	70	52	97
Kagera	Karagwe	425,476	54	12,479	0.004	27	14	7	32	28	16	11.4	3.3	9.5	67	73	61	87
	Bukoba (R)	395,130	84	7,036	0.012	18	15	4	32	36	25	18.2	6.9	14.8	76	81	72	85
	Muleba	386,328	112	12,840	0.009	27	30	7	32	31	22	14.1	5.0	11.4	68	76	61	86
	Biharamulo	410,794	40	14,621	0.003	48	19	15	32	25	16	8.0	2.5	6.3	58	68	49	82
	Ngara	334,939	96	8,360	0.011	34	33	10	32	30	16	12.2	4.2	9.4	57	68	47	96
Mwanza	Bukoba (U)	81,221	892	7,352	0.121	11	99	3	33	34	10	16.3	6.7	13.3	92	94	90	96
	Ukerewe	261,944	373	13,728	0.027	48	181	16	34	29	21	8.5	2.8	6.5	78	86	72	100
	Magu	416,113	135	9,222	0.015	37	50	11	33	36	20	9.9	3.4	7.6	64	73	56	100
	Nyamagana	210,735	5,638	5,245	1.075	15	854	4	32	30	7	11.2	4.6	8.3	93	96	89	100
	Kwimba	316,180	97	10,159	0.001	40	39	12	31	33	22	6.7	2.7	4.9	57	67	49	97
	Sengerema	501,915	164	9,596	0.017	46	76	15	34	30	17	8.0	2.9	5.9	67	76	58	97
	Geita	712,195	105	15,087	0.007	62	66	24	34	26	15	7.3	2.9	5.2	61	72	51	98
	Misungwi	257,155	98	7,318	0.013	40	39	12	31	30	22	7.6	2.6	5.7	64	73	56	99
Mara	Ilemela	265,911	677	2,303	0.294	26	174	7	34	34	9	9.6	3.4	7.6	84	89	78	75
	Tarime	492,798	126	9,088	0.014	32	40	9	32	42	17	14.9	3.1	13.1	71	82	63	100
	Serengeti	176,609	16	5,502	0.003	61	10	22	33	41	16	15.5	3.0	13.7	67	78	57	-
	Musoma (R)	330,953	87	7,329	0.012	64	55	25	34	36	21	11.2	2.9	9.3	76	85	68	100
	Bunda	260,000	90	8,929	0.010	68	61	28	33	38	20	11.1	3.2	8.9	75	85	68	100
Dodoma	Musoma (U)	108,242	1,420	4,148	0.342	38	539	12	33	39	12	12.0	4.0	9.6	87	94	81	100
	Kondoa	429,824	31	7,381	0.004	21	7	5	28	33	24	8.3	2.9	6.2	69	76	61	88
	Mpwapwa	254,500	34	6,340	0.005	28	10	7	29	34	18	7.0	2.4	5.2	62	71	54	79
	Kongwa	249,760	65	9,209	0.007	40	26	12	30	31	17	7.2	2.6	5.3	58	66	50	72
	Dodoma (R)	440,565	30	6,095	0.005	43	13	13	29	38	21	10.0	2.7	7.9	52	59	45	66
Dodoma (U)	324,347	125	5,869	0.021	27	33	7	41	33	16	10.8	3.6	8.5	74	81	69	75	

District	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	
Tabora	Nzega	57	83	33.0	28.0	21	25	1.2	45	1.3	59	2.5	89	28	82	2.5	1.8	81	129
	Igunga	68	83	23.7	18.8	5	9	0.8	34	0.5	58	1.6	93	14	86	2.9	1.8	84	134
	Uyui	77	84	37.6	32.7	10	11	0.3	41	0.2	62	0.3	94	59	85	3.2	1.4	88	141
	Urambo	79	90	16.5	14.1	11	14	0.9	42	0.3	55	0.3	90	46	84	2.6	1.4	78	124
	Sikonge	79	66	38.6	28.5	4	7	0.3	41	0.2	52	0.2	92	67	84	3.1	1.9	87	139
	Tabora (U)	45	87	6.1	4.7	11	68	9.5	54	6.1	46	23.8	50	43	25	2.4	1.9	78	123
Kigoma	Kibondo	65	67	13.5	7.9	54	56	0.5	31	0.4	27	0.4	95	64	76	2.6	3.6	85	136
	Kasulu	69	100	4.2	3.0	65	67	0.6	46	0.6	46	0.2	93	21	73	2.5	2.2	70	109
	Kigoma (R)	217	123	7.0	5.0	41	40	0.5	48	0.5	27	1.8	90	22	74	2.4	2.1	114	191
Kigoma (U)	29	102	3.5	2.0	61	89	10.1	61	6.2	15	18.9	49	43	26	2.3	1.7	101	167	
Shinyanga	Bariadi	69	92	18.7	15.6	50	53	0.6	37	0.3	56	1.0	93	6	51	3.5	2.1	108	178
	Maswa	63	71	28.5	13.2	32	36	1.3	44	0.8	57	2.8	90	1	78	2.7	2.0	90	146
	Shinyanga (R)	68	-	16.1	12.9	27	27	0.4	47	0.6	67	0.6	94	4	85	2.7	2.0	90	145
	Kahama	72	82	16.1	14.1	33	34	2.5	55	1.8	60	4.2	82	23	70	2.9	1.6	80	127
	Bukombe	92	112	25.3	19.1	27	32	0.8	50	0.3	62	0.3	91	64	68	3.4	2.0	88	141
	Meatu	93	105	12.9	8.9	36	35	0.5	34	0.5	51	1.2	94	3	76	3.5	2.0	104	172
	Shinyanga (U)	52	83	10.7	5.6	61	69	12.1	66	8.2	55	20.8	49	0	36	2.2	1.6	77	113
	Kishapu	64	75	30.4	12.4	10	13	3.6	42	1.2	60	3.8	91	1	87	2.5	1.9	91	147
Kagera	Karagwe	73	87	12.9	5.9	45	45	2.9	41	0.3	25	1.6	90	83	37	2.1	2.5	113	189
	Bukoba (R)	48	64	5.4	2.1	57	58	1.4	49	0.9	40	2.0	85	66	40	1.8	2.4	122	204
	Muleba	65	89	8.2	6.0	34	34	1.0	45	0.6	36	1.1	90	76	45	2.2	1.9	110	182
	Biharamulo	88	90	12.4	9.5	42	45	2.4	48	0.4	44	0.2	88	55	65	3.5	2.4	94	153
	Ngara	67	85	7.7	6.7	49	50	1.4	35	0.6	20	0.4	93	80	63	2.2	3.2	126	212
Bukoba (U)	37	68	3.5	1.4	48	68	22.5	68	7.2	29	35.1	30	12	4	2.3	1.3	72	113	
Mwanza	Ukerewe	83	93	16.5	3.8	50	53	2.1	67	0.7	41	0.4	85	51	47	3.3	3.0	106	176
	Magu	73	74	11.9	6.3	44	46	1.6	61	1.0	55	2.0	82	5	60	2.8	2.0	96	156
	Nyamagana	62	104	1.7	1.1	0	97	24.8	76	15.8	13	27.6	25	0	0	2.6	1.2	65	100
	Kwimba	77	91	15.0	10.8	65	67	0.5	49	0.4	65	1.1	90	4	78	2.7	2.3	77	122
	Sengerema	74	124	11.9	7.7	35	37	0.8	70	1.6	58	1.4	85	19	59	3.0	2.1	80	127
	Geita	71	111	17.5	12.6	29	34	1.3	58	1.1	58	0.8	83	27	57	3.3	1.8	88	142
	Misungwi	65	103	33.0	12.4	54	56	0.8	55	0.5	61	1.3	87	6	78	2.8	1.9	84	133
	Ilemela	62	113	3.5	2.6	63	72	24.6	75	9.1	28	13.4	42	3	15	2.7	1.8	87	140
Mara	Tarime	69	80	8.8	4.6	15	22	1.7	45	0.8	35	2.7	84	74	68	3.3	2.5	123	207
	Serengeti	67	74	5.8	4.1	46	47	2.1	45	0.5	36	0.5	88	73	78	2.8	2.2	109	181
	Musoma (R)	63	100	5.7	4.3	16	17	1.6	52	0.4	44	1.4	87	20	68	3.1	2.5	115	191
	Bunda	56	77	5.5	3.1	41	51	4.7	61	0.6	44	4.7	78	15	58	3.1	2.3	102	166
	Musoma (U)	51	77	1.0	0.7	3	92	23.5	64	8.7	41	32.6	36	1	8	2.6	1.8	84	134
Dodoma	Kondoa	59	72	4.2	3.7	36	39	0.4	45	0.4	31	1.7	89	16	53	2.5	2.2	70	110
	Mpwapwa	51	78	8.7	7.7	62	65	1.7	39	0.6	19	3.5	90	32	73	2.4	2.2	128	217
	Kongwa	51	81	10.2	9.2	72	74	0.6	49	0.2	39	0.9	91	31	46	2.5	2.1	116	195
	Dodoma (R)	50	63	12.3	10.5	51	51	0.4	31	0.3	22	0.2	95	42	86	2.5	2.8	142	239
	Dodoma (U)	48	88	4.3	3.5	38	64	14.0	60	7.2	32	23.0	58	2	32	2.2	1.8	94	153

District	A	B	C	D	E	F	G ¹	H	I	J	K	L	M	N	O	P	Q
Singida																	
Iramba	368,131	47	7,647	0.006	43	20	13	31	32	23	7.6	2.9	5.5	63	72	56	82
Singida (R)	401,850	35	9,100	0.004	56	19	17	29	34	21	9.0	2.2	7.4	70	79	62	85
Manyoni	205,423	7	5,527	0.001	49	3	16	34	32	20	9.5	3.3	7.0	61	69	54	82
Singida (U)	115,354	180	6,756	0.027	46	83	14	41	36	16	9.4	2.7	7.7	82	89	77	98
Iringa																	
Iringa (R)	245,623	11	2,883	0.004	31	4	8	32	40	21	15.0	5.7	11.6	71	82	63	98
Mufindi	283,032	34	5,641	0.006	32	11	9	35	42	17	15.8	6.3	12.3	76	87	67	100
Makete	106,061	26	3,526	0.007	24	6	7	43	44	25	24.2	8.1	20.7	65	77	55	100
Njombe	420,348	34	4,709	0.007	25	9	6	32	41	17	14.3	5.2	11.5	79	87	73	99
Ludewa	128,520	21	2,786	0.008	24	5	6	36	39	16	14.2	5.0	11.3	82	89	76	100
Iringa (U)	106,668	724	3,940	0.184	18	132	5	35	39	11	18.7	8.1	14.4	91	96	87	89
Kilolo	205,081	23	-	-	29	7	7	31	37	19	12.2	4.7	9.4	75	84	67	98
Mbeya																	
Chunya	206,615	7	6,056	0.001	25	2	7	35	29	15	10.1	4.2	7.4	59	68	49	81
Mbeya (R)	254,897	90	6,197	0.015	31	28	8	30	38	18	13.2	4.6	10.4	69	81	60	100
Kyela	174,470	236	6,438	0.037	24	56	7	33	33	23	19.4	6.9	15.8	74	84	66	100
Rungwe	307,270	146	5,375	0.027	32	46	9	34	33	28	17.4	6.8	13.8	69	78	61	100
Ileje	110,194	55	4,776	0.011	31	17	9	30	36	22	10.7	3.5	8.7	71	81	63	100
Mbozi	515,270	57	11,944	0.005	21	12	6	32	35	15	10.2	3.8	7.7	68	78	59	100
Mbarali	234,908	17	4,877	0.004	13	2	4	31	35	17	11.2	4.4	8.6	64	72	57	86
Mbeya (U)	266,422	1,051	6,640	0.158	12	130	3	36	37	10	16.2	6.0	13.2	90	95	85	94
Rukwa																	
Mpanda	412,683	9	10,524	0.001	38	3	11	36	27	15	7.7	2.8	6.0	58	68	49	83
Sumbawanga (R)	373,080	34	4,374	0.008	34	12	10	30	32	13	7.2	2.4	5.7	61	74	48	100
Nkansi	208,497	21	6,910	0.003	44	9	13	32	26	12	7.8	3.2	5.6	60	71	50	75
Sumbawanga (U)	147,483	98	4,895	0.020	27	27	7	32	35	11	10.4	3.9	8.0	77	85	71	90
Lindi																	
Kilwa	171,850	13	4,276	0.003	35	4	9	28	33	21	8.9	3.0	6.8	52	65	41	76
Lindi (R)	215,764	33	13,430	0.002	51	17	17	32	32	24	10.5	4.0	7.8	53	64	44	79
Nachingwea	162,087	27	6,211	0.004	41	11	11	28	31	21	7.9	3.2	5.5	71	78	65	88
Liwale	75,546	2	3,578	0.001	38	1	12	30	22	17	7.5	3.1	5.1	64	76	55	96
Rwangwa	124,516	50	6,889	0.007	30	15	7	28	33	23	8.8	3.1	6.4	58	68	50	87
Lindi (U)	41,549	165	1,141	0.144	18	30	4	29	36	18	11.8	4.6	8.8	71	77	66	100
Mtwara																	
Mtwara (R)	204,770	52	11,342	0.005	37	19	10	29	29	21	9.5	3.4	6.9	46	60	35	90
Newala	183,930	88	8,731	0.010	43	38	13	30	31	24	9.5	3.4	6.9	64	73	56	100
Masasi	442,573	46	8,820	0.005	37	17	11	31	30	20	8.7	3.3	6.1	69	74	64	90
Tandahimba	204,648	95	8,154	0.012	34	32	10	30	29	22	8.6	2.8	6.5	54	65	45	97
Mtwara (U)	92,602	471	4,007	0.118	38	181	13	32	34	13	11.7	4.6	8.2	73	80	65	97
Ruvuma																	
Tunduru	247,976	12	5,615	0.002	39	5	11	30	24	19	7.0	2.9	4.8	59	68	51	100
Songea (R)	147,924	11	5,411	0.002	41	4	12	30	26	18	9.4	3.5	7.0	83	88	79	97
Mbinga	404,799	47	6,730	0.007	28	13	7	30	22	14	8.2	2.7	6.3	84	89	80	98
Songea (U)	131,336	375	4,674	0.080	32	119	10	36	33	11	11.5	4.5	8.7	90	94	87	100
Namtumbo	185,131	8	6,252	0.001	55	5	18	29	17	17	6.9	2.8	4.7	72	80	64	93

District	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI
Singida																		
Iramba	58	76	11.0	7.9	30	30	0.3	34	0.3	31	0.8	95	10	82	2.4	2.7	79	125
Singida (R)	67	105	13.0	9.2	38	39	0.4	31	0.3	26	0.5	95	20	83	2.6	2.8	79	126
Manyoni	62	76	22.9	16.5	34	36	0.9	44	0.7	28	2.1	86	41	71	2.6	2.5	100	165
Singida (U)	51	87	2.3	1.5	32	61	7.9	49	6.2	23	25.1	64	4	39	2.6	2.0	69	108
Iringa																		
Iringa (R)	59	62	5.3	3.6	52	52	2.1	39	0.7	34	2.0	83	14	62	2.1	2.5	114	191
Mufindi	55	61	9.8	5.4	46	50	2.1	41	1.2	34	4.3	77	20	59	2.0	2.3	98	160
Makete	44	60	4.3	3.6	52	54	0.5	39	0.4	13	1.0	88	17	58	2.2	3.1	109	180
Njombe	51	62	5.6	3.6	59	64	4.0	47	1.2	43	6.0	69	9	52	1.8	2.2	101	166
Ludewa	54	53	2.5	2.1	55	55	0.8	40	0.3	19	0.6	83	11	55	1.9	2.8	98	160
Iringa (U)	33	13	3.3	0.8	17	85	23.4	64	12.3	23	43.7	18	5	4	2.0	1.1	83	133
Kilolo	58	61	7.6	4.4	48	51	0.7	40	0.3	27	1.1	86	28	63	2.0	2.3	103	170
Mbeya																		
Chunya	66	75	7.6	6.4	29	34	0.3	51	0.4	31	2.0	86	21	76	2.8	1.2	101	165
Mbeya (R)	52	79	6.3	3.7	40	48	0.9	44	0.8	19	2.1	82	4	43	2.5	1.2	-	-
Kyela	49	121	2.7	1.9	83	85	6.9	38	1.3	47	3.8	78	44	66	2.5	1.6	105	172
Rungwe	67	90	3.2	2.3	56	59	1.6	38	1.0	15	4.4	81	7	52	2.5	1.7	103	170
Ileje	54	58	1.8	1.3	48	49	1.1	40	0.3	15	0.9	91	4	69	2.6	1.5	91	146
Mbozi	74	92	6.9	6.2	35	40	1.2	42	0.4	29	3.3	86	6	53	2.8	1.2	101	165
Mbarali	75	73	11.5	9.5	63	68	3.0	49	0.7	42	2.0	80	26	72	2.7	1.3	115	192
Mbeya (U)	48	83	1.5	1.0	83	96	12.8	69	8.2	23	23.3	31	0	3	2.1	0.9	68	106
Mpanda	73	97	20.2	18.0	44	52	2.2	40	0.8	49	3.6	86	22	80	2.8	1.1	100	164
Rukwa																		
Sumbawanga (R)	27	73	8.3	7.5	45	45	0.3	29	0.3	24	0.1	93	10	86	3.2	1.3	117	195
Nkansi	57	645	11.5	8.4	54	61	1.3	30	0.4	17	0.3	90	4	85	2.9	1.0	111	185
Sumbawanga (U)	127	69	5.0	4.2	54	75	11.3	43	2.5	32	14.2	59	0	44	2.6	0.7	86	138
Lindi																		
Kilwa	60	58	10.3	8.5	14	22	0.8	42	0.4	30	1.1	91	94	87	2.3	2.4	129	217
Lindi (R)	46	64	7.7	6.6	18	23	0.3	32	0.2	22	0.4	95	91	87	1.8	2.3	130	220
Nachingwea	50	65	3.6	3.1	23	25	2.3	44	0.4	47	6.4	89	57	75	2.0	2.9	118	198
Liwale	48	-	7.9	6.9	8	16	1.0	49	0.2	49	2.6	92	88	68	2.4	2.5	130	221
Rwangwa	51	69	7.5	6.7	41	47	0.3	36	0.2	33	0.6	96	87	82	1.8	2.2	148	250
Lindi (U)	40	42	3.8	3.4	35	71	6.0	57	4.1	28	23.3	58	54	44	1.7	1.4	98	159
Mtwara (R)	61	66	4.4	3.9	27	26	0.4	30	0.1	36	0.1	95	95	85	1.8	3.0	136	231
Mtwara																		
Newala	43	73	4.2	3.1	56	60	0.7	29	0.6	36	2.3	93	78	71	1.8	2.8	117	197
Masasi	54	79	8.1	7.3	20	26	0.7	38	0.3	31	1.4	93	53	82	2.2	3.5	134	225
Tandahimba	54	71	9.0	7.0	20	25	0.3	29	0.1	44	0.7	94	59	69	1.6	2.4	119	200
Mtwara (U)	41	71	4.1	2.5	79	96	5.0	56	4.7	39	21.2	49	46	32	1.9	2.2	90	146
Ruvuma																		
Tunduru	53	70	7.7	6.8	46	49	1.6	37	0.5	29	2.3	92	45	83	2.0	2.3	126	212
Songea (R)	37	49	7.4	3.6	76	77	2.4	54	0.3	39	0.5	83	11	67	1.8	3.7	106	175
Mbinga	57	61	5.0	2.7	38	42	1.4	42	0.6	21	0.3	82	4	54	1.8	2.2	79	125
Songea (U)	46	67	1.6	1.1	55	85	22.1	72	4.5	37	24.1	37	3	19	1.8	1.7	99	162
Namtumbo	56	64	5.3	4.4	79	79	0.6	51	0.4	40	0.2	88	13	73	1.9	2.6	126	213

KEY TO COLUMN ENTRIES

Column	Description
A	Total population, 2002
B	Population, 2002, per km ²
C	Population per health facility, 2002
D	Number of health facilities per km ²
E	p(0): per cent of the population below the poverty line, 2000/01
F	Number of poor, 2000/01, per km ²
G	p(1): poverty gap, 2000/01
H	Gini coefficient, 2000/01
I	Per cent of households which are female-headed, 2002
J	Per cent of households headed by a person 60 or older, 2002
K	Per cent of children under 18 who are orphaned – mother or father has died, or both have died, 2002
L	Per cent of children under 18 whose mother has died, 20002
M	Per cent of children under 18 whose father has died, 2002
N	Per cent of people 15 and older who are literate, 2002
O	Per cent of males 15 and older who are literate, 2002
P	Per cent of females 15 and older who are literate, 2002
Q	Primary education net enrolment rate, 2004
R	Primary education pupil-teacher ratio, 2004
S	Primary education pupil-classroom ratio, 2004
T	Per cent of children aged 7 to 13 who are economically active, 2002
U	Per cent of children aged 7 to 13 who are economically active and not attending school, 2002
V	Per cent of rural households using piped or protected water source, 2002
W	Per cent of households using piped or protected water source, 2002
X	Per cent of households using flush toilet or ventilated improved pit latrine, 2002
Y	Per cent of households owning a radio, 2002
Z	Per cent of households owning a telephone, 2002
AA	Per cent of households owning a bicycle, 2002
AB	Per cent of households having electricity, 2002
AC	Per cent of households having earth floor, 2002
AD	Per cent of households having poor quality material for walls, 2002
AE	Per cent of households having poor quality roofing, 20002
AF	Number of household members per room, 2002
AG	Per cent of population with a disability, 2002
AH	Infant mortality rate (per 1,000 live births), 2002
AI	Under-five mortality rate (per 1,000 live births), 2002

Note: Sources are as noted in the text

Appendix Table A. 10 Estimates of the % of the population below the basic needs poverty line, 2000/01 and the standard errors of the estimates

Region and district	Poverty Headcount		Region and district	Poverty Headcount	
	Estimate	Std Error		Estimate	Std Error
Arusha			Kigoma		
Monduli	23.9	2.6	Kibondo	39.4	3.9
Arumeru	18.1	1.7	Kasulu	40.4	3.5
Arusha (U)	12.3	1.8	Kigoma (R)	38.5	3.6
Karatu	39.4	2.7	Kigoma (U)	26.6	2.5
Ngorongoro	23.7	5.5	Kilimanjaro		
Dar es Salaam			Rombo	37.2	2.3
Kinondoni	14.3	1.5	Mwanga	26.6	1.9
Ilala	15.8	1.7	Same	34.1	1.9
Temeke	28.7	2.2	Moshi (R)	27.6	2.5
Dodoma			Hai	21.8	1.9
Konoda	20.9	2.9	Moshi Urban	17.6	2.1
Mpwapwa	27.8	2.9	Lindi		
Kongwa	40.2	5.6	Kilwa	34.6	3.0
Dodoma (R)	42.9	4.4	Lindi (R)	51.4	6.2
Dodoma (U)	26.6	2.2	Nachingwea	41.4	3.3
Iringa			Liwale	38.3	4.5
Iringa (R)	31.0	3.0	Rwangwa	29.7	2.8
Mufindi	32.3	1.9	Lindi (U)	18.3	1.8
Makete	24.2	3.3	Manyara		
Njombe	25.0	2.1	Babati	50.2	2.5
Ludewa	24.1	2.3	Hanang	49.2	2.6
Iringa (R)	18.2	2.9	Mbulu	49.3	3.7
Kilolo	29.0	2.5	Simanjiro	23.6	3.6
Kagera			Kiteto	28.1	4.7
Karagwe	26.6	2.9	Mara		
Bukoba (R)	17.5	2.7	Tarime	31.9	4.5
Muleba	26.9	3.5	Serengeti	60.6	4.3
Biharamulo	47.7	4.3	Musoma (R)	63.7	4.6
Ngara	34.0	4.1	Bunda	67.7	3.6
Bukoba (U)	11.1	1.8	Musoma (U)	37.9	2.9

Region and district	Poverty Headcount		Region and district	Poverty Headcount	
	Estimate	Std Error		Estimate	Std Error
Mbeya			Pwani		
Chunya	25.4	3.0	Bagamoyo	40.2	2.9
Mbeya (R)	31.4	3.8	Kibaha	31.6	2.5
Kyela	23.8	3.7	Kisarawe	51.0	3.9
Rungwe	31.8	2.8	Mkuranga	39.9	3.2
Ileje	31.4	3.5	Rufiji	33.7	2.8
Mbozi	21.2	1.5	Mafia	42.6	4.2
Mbarali	13.1	1.6	Rukwa		
Mbeya (U)	12.4	1.4	Mpanda	37.6	3.9
Morogoro			Sumbawanga (R)	34.0	2.6
Morogoro (R)	31.2	4.0	Nkansi	44.4	2.9
Kilombero	29.0	4.4	Sumbawanga (U)	27.4	2.5
Ulanga	27.6	4.4	Ruvuma		
Morogoro (U)	14.0	1.1	Tunduru	38.7	3.0
Mvomero	26.4	2.6	Songea (R)	40.8	2.8
Mtwara			Mbinga	28.0	3.0
Mtwara (R)	36.8	2.8	Songea (U)	31.6	2.4
Newala	43.4	2.8	Namtumbo	54.8	3.3
Masasi	37.4	2.7	Shinyanga		
Tandahimba	34.3	3.5	Bariadi	45.7	4.4
Mtwara (U)	38.3	2.5	Maswa	43.5	4.2
Mwanza			Shinyanga (R)	42.7	4.7
Ukerewe	48.4	3.7	Kahama	37.3	3.3
Magu	37.3	2.7	Bukombe	48.0	4.8
Nyamagana	15.1	2.6	Meatu	52.9	4.5
Kwimba	40.0	3.3	Shinyanga (U)	21.8	3.1
Sengerema	46.3	3.5	Kishapu	45.7	3.8
Geita	62.3	4.6	Singida		
Misungwi	39.9	3.9	Iramba	42.9	3.9
Ilemela	25.6	3.3	Singida (R)	55.6	3.9
			Manyoni	48.7	4.2
			Singida (U)	46.1	3.3

Region and district	Poverty Headcount		Region and district	Poverty Headcount	
	Estimate	Std Error		Estimate	Std Error
Tabora			Tanga		
Nzega	35.0	3.4	Lushoto	15.6	2.5
Igunga	47.8	4.1	Korogwe	30.5	2.9
Uyui	48.1	4.6	Muheza	32.5	2.7
Urambo	40.6	4.1	Tanga (U)	17.3	1.4
Sikonge	42.5	5.7	Pangani	21.9	3.6
Tabora (U)	23.4	2.3	Handeni	31.9	3.6
			Kilindi	38.2	4.4

APPENDIX B.

POVERTY MEASURES AND THEIR USE IN TANZANIA

The incidence of poverty is the percentage of the population whose per capita consumption is below the poverty line, that is, the population that cannot afford the basic basket of goods.⁸⁷ The poverty gap is a measure of the amount relative to the poverty line that has to be transferred to poor households to bring their incomes up to the poverty threshold. The severity of poverty is the total of the squared income shortfall (expressed in proportion to the poverty line) of families whose incomes are below the poverty threshold, divided by the total number of families. It is a poverty measure which is sensitive to the income distribution among the poor – the worse the distribution, the more severe is poverty. While the incidence of poverty is a key indicator, it is useful to complement it with the depth and severity of poverty to see what happens to the poorest, especially if inequality is great. Previous studies that have analysed the status and trend of poverty have focused on the incidence of poverty measurement. MKUKUTA and the Millennium Development Goals (MDG) have targets to halve the incidence of poverty by 2010 and 2015 respectively.⁸⁸

Is Tanzania's poverty line too low?

Expressed in US dollars and using the December 2000 exchange rate of about TShs 1,000 to the US dollar, Tanzania's poverty line appears low: about \$ 0.26 per adult equivalent. Such expressions can be deceptive, however, as the international poverty line is expressed in 1993 PPP dollars. Expressing Tanzania's national poverty line of TShs 7,253 per adult equivalent per 28 days (December 2000 prices) in 1993 prices results in a poverty line of TShs 3,329. Applying the 1993 purchasing power parity exchange rate of 118.3 TShs to the dollar, this is equivalent to \$1.00 per adult equivalent per day. At an adult equivalent to population ratio of 1.27, this is equivalent to \$ 0.79 per capita per day. This is considerably less than the 1.08 "dollar a day" poverty line often used in international poverty comparisons. If one were to calculate poverty in Tanzania using the international dollar a day poverty line, the poverty line expressed in local currency would be TShs 9,900 and poverty incidence would be around 57.5 per cent of the population.

One can compare Tanzania's poverty line with that used elsewhere in the region. According to Appleton (2001), Uganda's poverty line, for instance, is higher, \$ 1.12 per capita per day. Using the PPP exchange rate between Uganda and Tanzania (of 3.12 US\$ to the TShs in 1993) to calculate Tanzania's poverty incidence, gives a poverty line of TShs 10,163 and a poverty incidence of 59.8 per cent, considerably more than the estimates of 35.6 per cent included in analyses in Tanzania.

It seems safe to conclude that Tanzania's poverty line is low from an international and a regional perspective.

⁸⁷ This comprises all consumption including that which is not bought on the market but produced for own consumption.

⁸⁸ see PHDR 2002 and 2003 and URT, 2005.

APPENDIX C

Table C.1 Poverty indicators, baselines and targets

Indicator	%	Baseline		Trend				Targets	
		Estimate	Year	2001	2002	2003	2004	PRS 2003	MKUKUTA 2010
INCOME, EMPLOYMENT									
Population below basic needs poverty line	36	2000/01	-	-	-	-	30	19	
Population below the food poverty line	19	2000/01	-	-	-	-	15	10	
GDP growth rate	4.9	2000	5.7	6.2	5.7	6.7	6	6-8	
Agricultural growth rate	3.4	2000	5.5	5.0	4.0	6.0	5	10	
Inflation rate	5.9	2000	5.2	4.5	3.5	4.1	4	4	
Working age population currently unemployed	13	2000/01	-	-	-	-		7	
NUTRITION									
Stunting in under-fives	44	1999	-	-	-	38		20	
EDUCATION									
Primary net enrolment rate	59	2000	66	81	89	91	70		
Girls	60		66	79	87	90		99	
Boys	59		66	82	90	91		99	
Cohort completing standard 7	70	2000	74	-	72	79		90	
Pupils passing standard 7 exams							50		
Girls	15	2000	21	20	33			60	
Boys	29		36	34	48			60	
Secondary net enrolment rate, forms 1-4							7		
Girls	-	-	-	7	7	9		50	
Boys	-	-	-	6	6	7		50	
Adult literacy rate (15 +)	71	2000	-	69	-	-	100		
Female	64			62				80	
Male	80			78				80	
HEALTH, SURVIVAL									
Under-five mortality rate (per 1,000 live births)							127	79	
DHS	147	1999 ⁸⁶	-	-	-	112 ⁸⁶			
Census			-	162 ⁸⁶	-	-			
1 year-olds immunised against measles	78	1999	-	-	-	80	85		
DPT (3)	81		-	-	-	86	85		
Maternal mortality ratio (per 100,000 live births)	529	1996 ⁸⁶	-	-	-	578 ⁸⁶	450	265	
Births attended by trained personnel	36	1999	-	-	-	46	80	80	
HIV/AIDS									
HIV in pregnant women 15-24 years	-	-	-	-	6.8	-	-	5	
WATER AND SANITATION									
Population with access to clean and safe water									
Rural	-	-	-	42	-	-	55	65	
Urban	-	-	-	85	-	-	-	90	
Population with access to basic sanitation	-	-	-	91	-	-	-	95	

Sources: NBS 2002, HBS 2000/01; URT Economic Surveys, various; NBS/Macro International 1999 and 2005; NBS 2003, Population and Housing Census 2002, MoEC Basic Statistics Education, various

⁸⁶ Estimates are recorded against the year of data collection, but under-five mortality rates refer to deaths during five-year period prior to survey and three-year period prior to census, maternal mortality to ten-year period prior to survey.