

Characteristic	Entire Population				Study Population ¹					Pearson chitest p value	ttest absolute difference between means	ttest sample mean < population mean	ttest sample mean > population mean
	n	%	(95% CI)	Mean	n	%	(95% CI)	Mean	n (Expected)				
TOTAL	6392	100.00			5929	100.00							
Gender													
Female	3047	47.67	(45.98 - 49.36)		2831	47.75	(45.99 - 49.51)		2826	0.897			
Male	3345	52.33	(50.56 - 54.10)		3098	52.25	(50.41 - 54.09)		3103				
Age at Death (years)													
18 to 49	3571	55.87	(54.03 - 57.70)	49.76	3283	55.37	(53.48 - 57.27)	50.04	3312	0.703	0.279	0.861	0.139
50 to 65	1253	19.60	(18.52 - 20.69)		1167	19.68	(18.55 - 20.81)		1162				
> 65	1568	24.53	(23.32 - 25.74)		1479	24.95	(23.67 - 26.22)		1454				
Country of Origin ²													
Mozambique	1929	30.18	(28.83 - 31.53)		1823	30.75	(29.34 - 32.16)		1789	0.629			
South Africa	4458	69.74	(67.70 - 71.79)		4101	69.17	(67.05 - 71.29)		4135				
Unknown	5	0.08	(0.01 - 0.15)		5	0.08	(0.01 - 0.16)		5				
Year of Death													
2003 to 2005	1994	31.20	(29.83 - 32.56)		1781	30.04	(28.64 - 31.43)		1850	0.094			
2006 to 2008	2276	35.61	(34.14 - 37.07)		2115	35.67	(34.15 - 37.19)		2111				
2009 to 2011	2122	33.20	(31.79 - 34.61)		2033	34.29	(32.80 - 35.78)		1968				
Residence Status													
Temporary	1829	28.61	(27.30 - 29.93)		1629	27.48	(26.14 - 28.81)		1697	0.103			
Permanent	4410	68.99	(66.96 - 71.03)		4166	70.26	(68.13 - 72.40)		4091				
Unknown	153	2.39	(2.01 - 2.77)		134	2.26	(1.88 - 2.64)		142				
Individual Education (years completed)													
0 to 5	3026	47.34	(45.65 - 49.03)	5.36	2845	47.98	(46.22 - 49.75)	5.3	2807	0.934	0.372	0.186	0.814
6 to 7	733	11.47	(10.64 - 12.30)		672	11.33	(10.48 - 12.19)		680				
8 to 9	667	10.43	(9.64 - 11.23)		620	10.46	(9.63 - 11.28)		619				
10 to 11	706	11.05	(10.23 - 11.86)		638	10.76	(9.93 - 11.60)		655				
> 11	1001	15.66	(14.69 - 16.63)		921	15.53	(14.53 - 16.54)		928				
Unknown	259	4.05	(3.56 - 4.55)		233	3.93	(3.43 - 4.43)		240				

Table S1 - Comparison of descriptive variables between the entire population of those dying between 2003 and 2011 in the Agincourt HDSS and the study population ¹

¹ The study population comprises adults (aged over 18) who died in the Agincourt sub-district between 2003 and 2011 for whom healthcare utilisation data was available.

² South Africa indicates those born in South Africa, Mozambique represents those who either in-migrated from Mozambique or were the children of fathers in-migrating from Mozambique.

³ SEP (socioeconomic position) quintiles are a measure of the level of asset ownership in a household. Quintile 1 includes the households with the lowest levels of asset ownership and quintile 5 those with the highest levels.

Characteristic	Entire Population				Study Population ¹					Pearson chitest p value	ttest absolute difference between means	ttest sample mean < population mean	ttest sample mean > population mean
	n	%	(95% CI)	Mean	n	%	(95% CI)	Mean	n (Expected)				
Household SEP quintile ³													
1	1230	19.24	(18.17 - 20.32)		1142	19.26	(18.14 - 20.38)		1141	0.992			
2	1347	21.07	(19.95 - 22.20)		1249	21.07	(19.90 - 22.23)		1249				
3	1220	19.09	(18.02 - 20.16)		1141	19.24	(18.13 - 20.36)		1132				
4	1296	20.28	(19.17 - 21.38)		1205	20.32	(19.18 - 21.47)		1202				
5	1225	19.16	(18.09 - 20.24)		1128	19.03	(17.91 - 20.14)		1136				
Unknown	74	1.16	(0.89 - 1.42)		64	1.08	(0.81 - 1.34)		69				
Distance to Nearest Clinic (km)													
0 - 1	2053	32.12	(30.73 - 33.51)	3.03	1925	32.47	(31.02 - 33.92)	3.05	1904	0.735	0.641	0.680	0.320
1 - 3	1640	25.66	(24.42 - 26.90)		1497	25.25	(23.97 - 26.53)		1521				
> 3	2699	42.22	(40.63 - 43.82)		2507	42.28	(40.63 - 43.94)		2503				
Illness Duration (months)													
0 to 1	1934	30.26	(28.91 - 31.61)	8.06	1923	32.43	(30.98 - 33.88)	8.05	1794	< 0.001	0.980	0.490	0.510
> 1 to 2	625	9.78	(9.01 - 10.54)		621	10.47	(9.65 - 11.30)		580				
> 2 to 6	1208	18.90	(17.83 - 19.96)		1195	20.16	(19.01 - 21.30)		1120				
> 6 to 24	1152	18.02	(16.98 - 19.06)		1142	19.26	(18.14 - 20.38)		1069				
> 24	283	4.43	(3.91 - 4.94)		279	4.71	(4.15 - 5.26)		263				
Unknown	1190	18.62	(17.56 - 19.67)		769	12.97	(12.05 - 13.89)		1104				
Previous Mortality Rate at Residence (deaths/1000 PY)													
0	3093	48.39	(46.68 - 50.09)	10.12	2872	48.44	(46.67 - 50.21)	9.85	2869	0.905	0.378	0.188	0.812
> 0 - 10	1320	20.65	(19.54 - 21.76)		1243	20.96	(19.80 - 22.13)		1224				
> 10 - 20	1071	16.76	(15.75 - 17.76)		985	16.61	(15.58 - 17.65)		993				
> 20	908	14.21	(13.28 - 15.13)		829	13.98	(13.03 - 14.93)		842				
Cause of Death													
AIDS/TB	2930	45.84	(44.18 - 47.50)		2833	47.78	(46.02 - 49.54)		2718	< 0.001			
Other	2430	38.02	(36.50 - 39.53)		2409	40.63	(39.01 - 42.25)		2254				
External	378	5.91	(5.32 - 6.51)		362	6.11	(5.48 - 6.73)		351				
Unknown	654	10.23	(9.45 - 11.02)		325	5.48	(4.89 - 6.08)		607				

Table S1 - Comparison of descriptive variables between the entire population of those dying between 2003 and 2011 in the Agincourt HDSS and the study population ¹

¹ The study population comprises adults (aged over 18) who died in the Agincourt sub-district between 2003 and 2011 for whom healthcare utilisation data was available.

² South Africa indicates those born in South Africa, Mozambique represents those who either in-migrated from Mozambique or were the children of fathers in-migrating from Mozambique.

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Year of Death	HIV/TB				Other Causes				p value (difference between percentages)
	Any use of traditional or herbal remedies (N)	Total	%	95 % CI	Any use of traditional or herbal remedies (N)	Total	%	95 % CI	
2003 to 2005	759	979	77.5	(75.4 - 80.6)	319	595	53.6	(50.0 - 58.0)	< 0.001
2006 to 2008	645	1067	60.4	(57.1 - 62.9)	328	795	41.3	(37.6 - 44.4)	<0.001
2009 to 2011	303	787	38.5	(35.6 - 42.4)	240	1019	23.6	(21.4 - 26.6)	<0.001
Totals	1707	2833	60.3	(58.2 - 61.8)	887	2409	36.8	(35.1 - 38.9)	<0.001

Table S2 - Percentages of adults (aged over 18) who died in the Agincourt sub-district between 2003 and 2011 for whom healthcare utilisation data was available making any use of traditional or herbal treatment during the final illness

Year of Death	HIV/TB				Other Causes				p value (difference between percentages)
	Use of traditional or herbal remedies as the first source of healthcare	Total	%	95 % CI	Use of traditional or herbal remedies as the first source of healthcare	Total	%	95 % CI	
2003 to 2005	228	979	23.3	(20.4 - 25.6)	126	595	21.2	(17.7 - 24.3)	0.355
2006 to 2008	258	1067	24.2	(21.4 - 26.6)	147	795	18.5	(15.3 - 20.7)	0.002
2009 to 2011	118	787	15.0	(12.5 - 17.5)	144	1019	14.1	(11.9 - 16.1)	0.549
Totals	604	2833	21.3	(19.5 - 22.5)	417	2409	17.3	(15.5 - 18.5)	<0.001

Table S3 - Percentages of adults (aged over 18) who died in the Agincourt sub-district between 2003 and 2011 for whom healthcare utilisation data was available using traditional or herbal treatment as the first source of healthcare for the final illness

Year of Death	HIV/TB				Other Causes				p value (difference between percentages)
	Use of both traditional and biomedical treatments	Total	%	95 % CI	Use of both traditional and biomedical treatments	Total	%	95 % CI	
2003 to 2005	690	979	70.5	(67.1 - 72.8)	258	595	43.4	(39.0 - 47.0)	<0.001
2006 to 2008	622	1067	58.3	(55.0 - 61.0)	293	795	36.9	(33.6 - 40.4)	<0.001
2009 to 2011	253	787	32.1	(28.7 - 35.3)	170	1019	16.7	(14.7 - 19.3)	<0.001
Totals	1565	2833	55.2	(53.2 - 56.8)	721	2409	29.9	(28.2 - 31.8)	<0.001

Table S4 - Percentages of adults (aged over 18) who died in the Agincourt sub-district between 2003 and 2011 for whom healthcare utilisation data was available using traditional or herbal and biomedical treatments during the final illness

Year of Death	HIV/TB				Other Causes				p value (difference between percentages)
	Use of only biomedical treatments	Total	%	95 % CI	Use of only biomedical treatments	Total	%	95 % CI	
2003 to 2005	178	979	18.2	(15.5 - 20.4)	162	595	27.2	(23.4 - 30.6)	< 0.001
2006 to 2008	391	1067	36.6	(34.1 - 39.9)	353	795	44.4	(40.5 - 47.5)	0.002
2009 to 2011	393	787	49.9	(46.5 - 53.5)	462	1019	45.3	(41.9 - 48.1)	0.035
Totals	962	2833	34.0	(32.3 - 35.7)	977	2409	40.6	(39.0 - 43.0)	<0.001

Table S5 - Percentages of adults (aged over 18) who died in the Agincourt sub-district between 2003 and 2011 for whom healthcare utilisation data was available using only biomedical treatments during the final illness