

Supplemental Information

SUPPLEMENTAL TABLE 3 Demographic and Clinical Characteristics of Children and Adolescents Treated for Drug-Susceptible TB in the South African Reporting Cohort, Comparing Those With Known and Unknown Treatment Outcomes, 2004–2016

Variable	Unknown Outcomes (<i>n</i> = 116 808), <i>n</i>	Unknown Outcomes, %	Known Outcomes (<i>n</i> = 612 655), <i>n</i>	Known Outcomes, %
Age, y				
0–4	52 634	45	287 085	47
5–9	19 460	17	115 156	19
10–14	11 059	9	63 615	10
15–19	33 655	29	146 799	24
Sex				
Male	57 540	49	298 020	49
Female	59 263	51	314 634	51
HIV status				
HIV-negative	29 034	25	216 753	35
HIV-positive, on ART	7575	6	48 493	8
HIV-positive, no ART	9157	8	37 418	6
HIV status unknown	71 042	61	309 991	51
Previous TB history				
New	107 484	92	584 350	95
Retreatment	9323	8	28 305	5
Site of TB disease ^a				
Pulmonary TB	102 786	88	561 255	92
Extra pulmonary TB	14 018	12	51 400	8
Disseminated disease ^b				
Not disseminated	99 130	85	541 006	88
Disseminated	2856	2	9389	2
Year				
2004	12 692	11	40 389	7
2005	11 330	10	44 096	7
2006	10 844	9	49 638	8
2007	10 912	9	52 069	8
2008	11 900	10	56 206	9
2009	10 759	9	58 800	10
2010	10 661	9	53 342	9
2011	8619	7	55 268	9
2012	6965	6	48 037	8
2013	6118	5	45 454	7
2014	8120	7	39 784	6
2015	4351	4	38 635	6
2016	3537	3	30 937	5

Tests of significance are not displayed because of the sample sizes of all categories were significantly different.

^a The binary classification of site of disease included pulmonary TB, which was based on the presence of any pulmonary TB, and EPTB, which was restricted to exclusive EPTB.

^b Disseminated disease was based on ICD-10 coding, with neurologic TB and miliary TB recorded as disseminated disease and all other ICD-10 codes recorded as not disseminated.

SUPPLEMENTAL TABLE 5 SMRs of Children and Adolescents Treated for Drug-Susceptible TB in the South African Reporting Cohort by Using Observed Deaths and Expected Deaths, by HIV Status, 2004–2016

Year	HIV Status	Patients With TB		Observed TB Deaths		Expected Deaths		TB Mortality Rate ^a		Population Mortality Rate ^a		SMR ^b	
		Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
2013	HIV-negative	16 614	16 656	142	144	95.38	83.81	1.80	1.81	1.21	1.05	1.49	1.72
2014	HIV-negative	16 450	16 072	148	122	87.06	74.62	2.06	1.74	1.21	1.06	1.70	1.64
2015	HIV-negative	15 210	14 944	121	121	88.21	76.69	1.67	1.69	1.22	1.07	1.37	1.58
2016	HIV-negative	12 314	11 836	97	110	72.07	61.03	1.65	1.95	1.23	1.08	1.35	1.80
2013	HIV-positive	4927	6182	217	324	49.76	35.25	9.27	11.20	2.13	1.22	4.36	9.19
2014	HIV-positive	5078	6087	265	261	41.23	25.84	12.27	10.09	1.91	1.00	6.43	10.10
2015	HIV-positive	4664	5536	222	273	40.14	24.16	9.84	10.42	1.78	0.92	5.53	11.30
2016	HIV-positive	3863	4509	200	231	30.82	18.65	10.74	10.81	1.66	0.87	6.49	12.39

^a Mortality rates are expressed per 100 person-years.

^b SMR is the ratio of observed TB deaths to the expected deaths and is based on the Thembisa estimates of mortality rates for the general population. Expected mortality is based on the HIV-positive and HIV-negative population estimates of mortality rates, regardless of age.