

Table S5 Number of tuberculosis incident patients, including DS-TB, MDR-TB, and XDR-TB in 2019. and EAPC during the periods 1990-2009 and 2009-2019 across 21 GBD regions and 5 SDI regions

Location	DS-TB			MDR-TB			XDR-TB		
	Incident patients, 2019 (No. 95% UI)	1990-2009 EAPC No. (95% CI)	2010-2019 EAPC No. (95% CI)	Incident patients, 2019 (No. 95% UI)	1990-2009 EAPC No. (95% CI)	2010-2019 EAPC No. (95% CI)	Incident patients, 2019 (No. 95% UI)	1990-2009 EAPC No. (95% CI)	2010-2019 EAPC No. (95% CI)
Global	8021664.0 (6956474-9189461.9)	-1.64 (-1.75--1.52)	-1.72 (-1.92--1.52)	450596.7 (247831.2-785372.8)	7.5 (5.07-9.98)	-1.58 (-2.21--0.95)	25055.9 (17086.3-36470.9)	17.52 (14.51-20.61)	0.54 (-0.07-1.15)
GBD regions									
Andean Latin America	39011.2 (33291.9-45862.7)	-5.68 (-6.06--5.3)	-3.31 (-3.66--2.97)	2711.1 (1503.6-4570.2)	5.68 (2.83-8.62)	-4.58 (-6.12--3.02)	214.1 (118.7-361)	16.56 (11.96-21.35)	0.16 (-1.22-1.57)
Australasia	1804.5 (1562-2111.1)	-2.5 (-2.81--2.18)	-0.62 (-0.79--0.44)	51.3 (22.8-103)	2.66 (1.67-3.67)	4.74 (3.52-5.97)	6.4 (2.9-13)	18.46 (17.75-19.18)	10.11 (8.57-11.66)
Caribbean	15472.2 (13418.8-17738.7)	-1.7 (-1.91--1.49)	0.4 (0.04-0.77)	86.9 (31.2-226.7)	-3.64 (-5.79--1.44)	4.47 (3.27-5.69)	6.9 (2.5-17.9)	6.76 (3.41-10.2)	9.67 (8.2-11.15)
Central Asia	39061.7 (32079.4-47266.7)	-1.61 (-2.14--1.08)	-3.07 (-3.42--2.71)	10682.2 (7032.8-14944.9)	22.03 (17.11-27.15)	-5.51 (-5.98--5.04)	2340.5 (1540.7-3274.6)	32.25 (27.99-36.66)	-0.27 (-0.62-0.07)
Central Europe	19598.2 (16722.5-23047.2)	-2.06 (-2.39--1.73)	-3.03 (-3.14--2.93)	407.6 (221.9-718.5)	3.62 (1.71-5.57)	-4.24 (-4.87--3.61)	89.3 (48.6-157.5)	15.97 (13.78-18.19)	1 (0.14-1.88)
Central Latin America	43939.8 (38002.2-50715)	-3.33 (-3.71--2.94)	-0.55 (-0.74--0.35)	1350.2 (570.8-2677.9)	9.47 (5.25-13.86)	0.41 (-0.06-0.89)	106.6 (45.1-211.5)	18.3 (13.9-22.8)	5.48 (5.1-5.86)
Central Sub-Saharan Africa	315969.4 (273958.5-360091.6)	-0.03 (-0.06-0)	-1.6 (-1.76--1.43)	7845 (2086.4-22459.7)	6.51 (4.04-9.05)	1.25 (0.93-1.58)	50.6 (13.5-145)	17.59 (15.12-20)	6.03 (5.48-6.58)
East Asia	729000 (629652.6-833788.5)	-2.44 (-2.61--2.28)	-3.91 (-4.04--3.78)	31258.9 (7067.8-95809.9)	-1.44 (-3.84-1.0)	-7.63 (-9.51--5.71)	2850.2 (644.5-8736.3)	8.65 (5.64-11.74)	-2.96 (-4.7--1.18)
Eastern Europe	110385.5 (85287.5-141189.6)	-0.18 (-0.63-0.28)	-5.69 (-6.89--4.48)	44868.7 (28334.1-65583.1)	14.53 (10.81-18.36)	-4.74 (-5.42--4.05)	9831.1 (6208.1-14369.9)	25.63 (21.69-29.69)	0.55 (0.01-1.1)
Eastern Sub-Saharan Africa	880898.5 (762268.9-1018426.2)	-1.45 (-1.5--1.4)	-1.91 (-2.08--1.75)	29934.9 (18849.8-50470.4)	12.67 (8.06-17.48)	1.85 (1.63-2.07)	193.1 (121.6-325.6)	20.84 (15.9-25.9)	6.65 (6.27-7.03)
High-income Asia Pacific	46715.4 (39970.8-54862.4)	-3.65 (-4.11--3.2)	-2.75 (-2.83--2.67)	575.8 (142.5-1839.9)	1.18 (-1.08-3.49)	-4.47 (-5.48--3.45)	72.4 (17.9-231.3)	12.29 (8.65-16.04)	0.64 (-0.11-1.39)

High-income	9767.9	-4.04	-3.66	134.7	-8.85	-3.41	16.9	6.16	1.61
North America	(8441.7-11407.5)	(-4.2--3.89)	(-4.22--3.09)	(63.1-272.7)	(-10.03--7.66)	(-4.17--2.65)	(7.9-34.3)	(5.72-6.6)	(0.96-2.25)
North Africa and Middle East	148943.6	-2.84	-2.48	4454.2	11.05	-2.91	157.2	20.46	1.8
Oceania	(127345.2-173957.1)	(-2.94--2.74)	(-2.63--2.34)	(2688.9-7563.9)	(7.06-15.18)	(-3.17--2.66)	(94.9-266.9)	(14.98-26.2)	(1.68-1.92)
South Asia	11860	-1.24	-1.44	422.6	13.48	12.37	38.5	24.67	17.83
Southeast Asia	(10419.7-13369)	(-1.35--1.14)	(-1.63--1.26)	(156.4-966.7)	(10.39-16.66)	(7.91-17.01)	(14.3-88.1)	(20.58-28.89)	(12.75-23.14)
Southern Latin America	3550491.5	-2.05	-2.65	257745.2	17.79	-0.49	6317.3	26.84	4.27
Southern Sub-Saharan Africa	(2950929-4184080.1)	(-2.21--1.89)	(-2.87--2.42)	(72437.8-595414)	(13.24-22.52)	(-0.82--0.16)	(1775.5-14593.4)	(21.69-32.21)	(4.1-4.45)
Tropical Latin America	1083165.9	-3.47	-1.13	25335.4	4.49	-1.44	2310.1	14.81	3.54
Western Europe	(953673-1213885.1)	(-3.85--3.09)	(-1.33--0.94)	(14884.8-41376.7)	(1.64-7.41)	(-2.15--0.73)	(1357.1-3773.1)	(12.18-17.5)	(2.92-4.15)
Western Sub-Saharan Africa	8199.8	-3.3	-0.05	111.3	5.99	-2.27	14	17.92	2.88
Western Europe	(7092.2-9514.2)	(-3.43--3.18)	(-0.48-0.39)	(31.1-348.7)	(3.49-8.55)	(-2.98--1.56)	(3.9-43.8)	(13.21-22.84)	(2.33-3.43)
Western Sub-Saharan Africa	279760.6	-0.43	-0.3	9690.3	12.28	-1.25	62.5	25.61	3.44
Western Europe	(235574.6-327684.3)	(-0.91-0.04)	(-0.5--0.1)	(4840.4-18677.5)	(10.17-14.42)	(-2.41--0.08)	(31.2-120.5)	(20.86-30.54)	(2.42-4.46)
Western Sub-Saharan Africa	64511.1	-2.67	-1.07	2051.2	14.66	2.88	162	21.74	8.05
Western Europe	(54047.7-76341.5)	(-2.98--2.37)	(-1.35--0.8)	(435.8-5580.2)	(9.11-20.5)	(2.4-3.37)	(34.4-440.7)	(15.66-28.14)	(7.51-8.59)
Western Sub-Saharan Africa	29379	-2.38	-2.7	681.7	3.59	-2.32	85.7	17.62	2.77
Western Europe	(25255.4-34191.6)	(-2.54--2.22)	(-2.84--2.57)	(456.2-1000.6)	(2.57-4.63)	(-2.48--2.16)	(57.4-125.8)	(14.34-20.99)	(2.61-2.94)
Western Sub-Saharan Africa	593728.2	-1.16	-2.24	20197.6	10.24	-2.78	130.3	21.07	1.83
Western Europe	(513783.4-686217.2)	(-1.33--0.98)	(-2.53--1.96)	(9447.6-40597.3)	(7.33-13.23)	(-3.19--2.36)	(61-261.9)	(17.57-24.67)	(1.54-2.13)
SDI regions									
High-middle SDI	666127.3	-1.56	-3.58	79547.4	7.43	-4.88	12005.1	20.52	-0.76
High SDI	(573196.4-770793.1)	(-1.74--1.38)	(-4.11--3.05)	(47633.4-125980.2)	(4.84-10.08)	(-5.74--4.02)	(8001.2-17145.2)	(17.14-23.99)	(-1.43--0.09)
Low-middle SDI	121097.2	-2.63	-2.5	2644.9	0.32	-3.25	293.1	12.22	1.04
Low SDI	(105375.1-139461.8)	(-2.86--2.4)	(-2.64--2.37)	(1602.4-4555.3)	(-1.16-1.83)	(-3.93--2.56)	(189.1-478.2)	(9.51-14.99)	(0.56-1.53)
Middle SDI	2986860.9	-1.99	-2.25	173142.1	12.26	-0.35	5241.1	18.93	3.78
High SDI	(2523493.9-3483423.8)	(-2.12--1.87)	(-2.35--2.15)	(67914.4-377689.8)	(8.94-15.69)	(-0.56--0.13)	(2441.4-10258.4)	(15.47-22.49)	(3.72-3.85)
Low SDI	1932017.4	-1.47	-2.23	83775.3	12.26	-0.01	1355.9	23.93	4.4
Middle SDI	(1685110.6-2212384.8)	(-1.55--1.38)	(-2.35--2.1)	(48554.7-144443.6)	(8.79-15.84)	(-0.22-0.19)	(642.4-2693.5)	(19.27-28.76)	(4.27-4.52)
High SDI	2312168	-2.52	-1.7	111401.5	3.47	-2.56	6155.2	12.46	1.22
Low SDI	(2010215.9-2622476.6)	(-2.77--2.28)	(-1.89--1.51)	(55201.9-207280.4)	(1.39-5.58)	(-3.58--1.53)	(3599.6-10332.8)	(9.93-15.03)	(0.34-2.11)

Abbreviations: CI, confidence interval; EAPC, estimated annual percentage change; UI, uncertainty interval; DS-TB, drug-susceptible tuberculosis; MDR-TB, multidrug-resistant tuberculosis without extensive drug resistance; XDR-TB,

extensively drug-resistant tuberculosis; SDI, Socio-demographic index.