Supplementary Table SI. Summary of Characteristics of Included Studies of Prevalence of MDR-TB.

First Author, Year	Country	No. of patients with TB	Age, (mean±SD) or range	Male No. (%)	Alcohol No. (%)	Residency	HIV No. (%)	Smoking No. (%)
Ayaz, 2012	Pakistan	1004	32.3±15.5	531 52.9)	-	Urban	-	-
Brito, 2010	Brazil	595	<40, 40-60 >60	409 (68.7)	-	Urban	-	-
Dewan, 2005	Lithuania	1163	45.0	854 (73.4)	-	Urban	-	-
Faridi, 2018	India	514	-	-	-	Urban	-	-
Pang, 2017	China	1236	46.6 (19 to 76)	-	-	Urban	-	-
Pleumpanupat, 2003	Thailand	154	32.8	-	-	Urban	-	-
Wang, 2011	China	518	<65, ≥65	347 (67)	-	Urban	-	-

Yoshiyama, 2001	Thailand	1077	-	478 (44.4)	-	Urban	-	-
Abdella, 2015	Ethiopia	79	31.6± 10.0	48 (60.8)	39 (55.7)	Urban, rural	30 (43.5)	-
Abebe, 2012	Ethiopia	136	26.0±0.7 (18 to 64)	78 (57.4)	-	Urban	22 (16.2)	-
Abouyannis, 2014	Malawi	1777	35.6 (34.8 to 36.4)	954 (53.7)	-	Urban	963 (54.2)	-
Adwani, 2016	India	227	>18	113 (49.8)	-	Urban	9 (4)	-
Afroz, 2014	Bangladesh	152	>5	65 (42.8)	-	Rural	-	-
Agarwal, 2010	Turkey	397	33.9±0.7 (18 to 89)	238 (59.9)	-	Urban	-	-
Ahmad, 2015	Pakistan	238	30.4±0.7 (18 to 61)	108 (45.4)	-	Urban, rural	-	37 (12.7)
Aia, 2016	New Guinea	1182	28.0 (21 to 37)	590 (49.9)	-	Urban	56 (4.9)	-

Akhtar, 2016	Pakistan	1250	32.0±13.5	644 (51.5)	-	Urban	-	-
Alikhanova, 2014	Azerbaijan	789	>15	-	-	Urban	-	-
Amala, 2019	Nigeria	429	>19	208 (48.5)	-	Urban	-	-
Anunnatsiri, 2005	Thailand	226	47.2	150 (66.4)	-	Urban	3 (1.3)	-
Anwaierjiang, 2021	China	346	50.4±19.3	167 (48.3)	-	Urban, rural	-	-
Bastos, 2012	Brazil	209	37.0±13.5	131 (62.7)	64 (30.7)	Urban	-	100 (47.8)
Becerril-Montes, 2013	Mexico	139	>15	82 (59)	45 (32.5)	Urban	-	55 (39.6)
Bedaso, 2021	Ethiopia	43	-	14 (32.6)	-	Urban	-	-
Zazueta-Beltran, 2011	Mexico	671	-	444 (66.8)	-	Urban	-	-

Berberian, 2016	Argentina	1195	10.8	-	-	Urban	896 (75)	-
Bhat, 2014	India	494	>15	-	-	Rural	-	-
Bhembe, 2020	South Africa	3810	1>	-	-	Urban	-	-
Bojorquez-Chapela, 2012	Mexico	2121	45.3 (42.9 to 47.7)	1389 (65.5)	-	Urban	-	-
Brandao, 2020	Brazil	283	37.0±13	206 (72.8)	-	Urban	-	-
Buyankhishig, 2011	Mongolia	850	>1	507 (59.6)	-	Urban	-	-
Alberte-Castiñeiras, 2006	Spain	985	-	-	-	Urban	52 (5.3)	-
Chand, 2000	India	192	36.0 (18 to 55)	130 (67.7)	-	Urban	-	-
Cox, 2010	South Africa	535	34.0±13	335 (62.6)	-	Urban	297 (55.5)	-

Cox, 2004	Central Asia	441	34.0 (11 to 77)	265 (60)	-	Urban	-	-
Dagne, 2021	Ethiopia	204	29.0	140 (68.6)	-	Urban, rural	24 (15)	-
Daniel, 2011	Nigeria	88	34.5	50 (56.8)	-	Urban	-	-
Daum, 2018	Ukraine	188	42.0	63 (33.5)	-	Urban	-	150 (80)
Deng, 2011	China	989	40.1±18.9 (0.3 to 88)	648 (65.5)	-	Urban	-	-
Diallo, 2017	Chad	311	12 to 70	224 (72)	-	Urban	-	-
Diandé, 2019	Burkina Faso	1140	36.5 (2 to 95)	845 (74.1)	334 (29.3)	Urban	87 (7.6)	266 (23.3)
Dinic, 2012	Nigeria	224	36.0	132 (59.1)	-	Urban	224 (100)	-

Diriba, 2019	Ethiopia	10134	>15, <15	5502 (54.3)	-	Urban	-	-
Djuretic, 2015	United Kingdom	25217	>1	14928 (59.2)	-	Urban	-	-
Dujaili, 2013	Iraq	2968	-	1158 (39)	-	Urban	-	-
El Achkar, 2019	Lebanon	250	34.0	128 (51.2)	-	Urban	-	125 (50)
Elmi, 2014	Malaysia	69	41.8±17.1	46 (66.7)	-	Urban	-	34 (49.3)
Aguiar, 2010	Brazil	105	36.0	78 (74.3%)	-	Urban	-	-
Fairlie, 2011	South Africa	148	<14	-	-	Urban	80 (54.1)	-
Gallo, 2017	Brazil	313	39.6±12.4	220 (70.3)	-	Urban	52 (16.6)	-
Gehre, 2016	West Africa	974	>1	653 (67)	-	Urban	599 (61.5)	-

Ghebremichael, 2008	Sweden	400	>1	199 (50)	-	Urban	-	-
Gilad, 2000	Israel	249	52.0±20 (18 to 95)	249 (100)	-	Urban	7 (2.8)	-
Hang, 2013	Viet Nam	489	38.6 (16.6 to 85.4)	386 (78.9)	-	Urban	156 (31.9)	-
Hannan, 2001	Portugal	134	>20	134 (100)	-	Urban	134 (100)	-
Hom, 2012	South Africa	191	36.0 (31 to 43)	92 (48.2)	-	Urban	191 (100)	-
Hu, 2008	China	399	52.0±18.8	295 (73.9)	-	Rural	-	-
Ignatova, 2006	Russia	87	35.9	87 (100)	-	Urban	-	-
Isaakidis, 2014	India	1724	35.0 (24.3 to 44.0)	1042 (60.4)	-	Urban	1724 (100)	-
Ismail, 2018	South Africa	101422	>18	-	-	Urban	-	-

Israel, 2018	Zanmi Lasante Network	222	33.5	99 (44.7)	-	Urban	37 (16.7)	-
Jacobs, 2019	Brazil	1574	1<	1111 (70.6)	406 (25.8)	Urban	206 (13.1)	349 (22.2)
Jiao, 2015	China	1076	<18	570 (53)	-	Urban	-	-
Juma, 2019	Tanzania	91	33.0±10	70 (76.7)	-	Urban	18 (19.8)	-
Kamolwat, 2021	Thailand	1483	>18	1112 (75)	-	Urban	-	-
Kigozi, 2018	Uganda	97	-	-	-	Urban	-	-
Kinjal, 2019	India	1332	-	-	-	Urban	-	-
Kontsevaya, 2016	Europe	512	-	-	-	Urban	-	-
Kulkarni, 2020	India	25191	>1	-	-	Urban	-	-

Laghari, 2019	Pakistan	50	12.8±2.5	32 (64)	-	Rural	-	-
Lai, 2008	Taiwan	2625	56.8±16.6	-	-	Urban	71 (2.7)	-
Lapphra, 2012	Thailand	230	<18	-	-	Urban	-	-
Lee, 2009	South Korea	148	21.0 (20 to 22)	148 (100)	-	Urban	-	-
Lukoye, 2013	Uganda	1537	34.6	1018 (66.2)	-	Urban, rural	470 (35.5)	-
Magula, 2014	Africa	163	-	-	-	Urban	129 (79.1)	-
Mahabeer, 2016	South Africa	903	<5	-	-	Urban	-	-
Masood, 2019	Pakistan	315	-	-	-	Urban	-	-
Mekonnen, 2015	Ethiopia	124	32.0	80 (64.5)	-	Urban, rural	35 (28.2)	35 (28.2)

Mesfin, 2018	Ethiopia	226	15 to 54	133 (58.8)	-	Urban, rural	180 (79.6)	41 (18.3)
Micheletti, 2014	Brazil	299	36.0	221 (73.9)	-	Urban	78 (26.1)	-
Micheni, 2021	Uganda	283	36.0	207 (73.1)	-	Urban	15 (5.3)	-
Montoro, 2006	Cuba	1528	-	-	-	Urban	-	-
Ogari, 2019	Kenya	132	26.4±19.4	72 (54)	-	Urban	-	-
Otokunefor, 2018	Nigeria	30	18 to 75	19 (63.3)	-	Urban	-	-
Oyedeji, 2020	Nigeria	207	≤15, 16-55, ≥56	103 (49.8)	-	Urban	7 (3.4)	-
Pardini, 2009	Georgia	366	41.0±14.1	252 (77.3)	-	Urban	-	-
Patil, 2019	India	1154	-	-	-	Rural	-	-

Phyu, 2005	Myanmar	357	38.0±12.9	246 (68.9)	-	Urban	-	181 (50.7)
Porwal, 2013	India	483	32.7±11	297 (61.5)	145 (30.2)	Urban, rural	29 (6.1)	197 (40.8)
Prakash, 2015	India	274	39.0±14.6	212 (77.4)	-	Urban	-	-
Ramzan, 2004	Asia	47	-	-	-	Urban	-	-
Rashedi, 2015	Azerbaijan, Iran	80	-	-	-	Urban	-	-
Safwat, 2011	Egypt	180	36.8±12.5	130 (72.2)	20 (11.1)	Urban	-	63 (35)
Saldanha, 2019	India	200	41.5 (11 to 48)	134 (67)	-	Urban	200 (100)	-
Santos, 2010	Brazil	132	1 to 77	106 (80.3)	-	Urban	27 (20.5)	-
Seddon, 2012	South Africa (2007)	1246	2.5	676 (54.3)	-	Urban	189 (15.2)	-

Shah, 2018	India	1145	<16	641 (56)	-	Urban	-	-
Sharaf, 2011	Sudan	235	35.0 (26 to 45)	175 (74.5)	-	Urban	78 (33)	-
Shibabaw, 2020	Ethiopia	211	30.0 (24 to 42)	133 (63)	-	Urban, rural	54 (25.6)	-
Sidze, 2014	Cameroon	665	33.9±12.3 (15 to 85)	390 (58.5)	-	Urban, rural	179 (27)	-
Singhal, 2017	India	812	37.0 (6 to 80)	596 (73.4)	-	Urban	-	-
Smith, 2017	South Africa	19408	25 to 34	-	-	Rural	340 (1.8)	-
Soliman, 2021	-	1019	-	-	-	Urban	-	-
Surucuoglu, 2005	Turkey	355	44.5	273 (77)	-	Urban	-	-
Tasbiti, 2017	Iran	1442	46.5±21.2	606 (42)	-	Urban	243 (16.9)	548 (38)

Timire, 2019	Zimbabwe	1272	34.0 (27 to 42)	766 (60.2)	-	Urban, rural	700 (55)	-
Ullah, 2016	Pakistan	408	>1	165 (40.4)	-	Urban	-	-
Um, 2011	South Korea	373	-	-	-	Urban	-	-
Van Rie, 2000	South Africa	63	33.0 (11 to 55)	30 (48)	-	Urban	-	-
Villa-Rosas, 2015	Mexico	214	38.5±13.9	146 (68.2)	-	Urban	11 (8.8)	-
Wang, 2021	China	391	-	-	-	Urban	-	-
Wang, 2012	China	2935	0–14, 15-64, >65	2029 (71.5)	-	Urban	-	-
Wang, 2002	China	1310	-	935 (71.4)	-	Urban	-	-
Wang, 2016	China	2794	44.5±18.9 (14 to 93)	1937 (69.3)	-	Urban	-	-

Wang, 2010	China	967	-	642 (66.4)	-	Urban	-	-
Wu, 2017	China	936	< 25 yrs 25–45 yrs 45–65 yrs ≥ 65 yrs	656 (70.1)	-	Urban, rural	-	-
Yang, 2015	China	1771	-	-	-	Urban	-	-
Yang, 2014	China	205	15 to 44	145 (70.7)	-	Urban	-	-
Hu, 2013	China	380	45.0 (15 to 90)	267 (70.3)	-	Rural	-	-
Ying, 2011	China	1089	42.3 (16 to 85)	728 (66.9)	-	Urban, rural	-	-
Zhao, 2014	China	171	44.8±1.3 (15 to 88)	129 (75.4)	-	Urban	-	-
Zhao, 2019	China	189	40.4 (14 to 85)	132 (69.8)	-	Urban, rural	-	-