

## ANNEX G: SENSITIVITY ANALYSIS

Table 11. Sensitivity analysis for yield meta-analysis. Yields per 100,000 population. References for excluded studies in superscript.

	General Populations					At-Risk Groups				
	Overall	Excluding outliers <sup>68, 79, 149</sup>	High risk of bias	Medium risk of bias	Low risk of bias	Overall	Excluding outliers <sup>40, 77, 95, 96, 122</sup>	High risk of bias	Medium risk of bias	Low risk of bias
Overall	432 (382-482)	334 (285-383)	351 (223-480)	342 (237-446)	725 (610-839)	1,401 (1,328-1,475)	1,314 (1,242-1,386)	1,540 (1,342-1,738)	1,035 (927-1,143)	1,836 (1,703-1,969)
<b>Burden</b>										
Non-HBC	248 (60-436)	248 (60-436)	3 (1-12)	327 (59-596)	205 (8-403)	987 (891-1,082)	937 (878-1,069)	1,944 (1,515-2,373)	798 (630-966)	969 (820-1,118)
HBC	504 (438-571)	363 (299-426)	378 (240-517)	339 (257-421)	875 (737-1,013)	1,734 (1,625-1,843)	1,580 (1,472-1,687)	1,486 (1,215-1,757)	1,159 (1,013-1,305)	3,092 (2,830-3,355)
Non-TB/HIV HBC	246 (178-315)	246 (178-315)	84 (20-148)	296 (92-501)	280 (184-375)	1,043 (955-1,130)	970 (884-1,056)	1,790 (1,418-2,162)	952 (814-1,090)	1,072 (930-1,213)
TB/HIV HBC	604 (514-695)	398 (316-480)	440 (273-606)	359 (250-467)	1,211 (992-1,430)	2,202 (2,041-2,363)	2,039 (1,881-2,197)	1,534 (1,257-1,811)	1,763 (1,483-2,042)	4,058 (3,540-4,576)
<b>Incidence</b>										
Low	4 (0-8)	4 (0-8)	3 (1-12)	275 (199-378)	-	572 (446-698)	572 (446-698)	1,252 (745-1,758)	238 (89-387)	576 (338-814)
Moderate	158 (44-272)	158 (44-272)	-	99 (44-155)	197 (0-400)	1,194 (1,035-1,353)	1,154 (998-1,311)	4,180 (440-7,921)	673 (434-913)	1,458 (1,250-1,667)
Medium	500 (421-579)	322 (251-394)	265 (139-392)	402 (270-540)	929 (758-1,099)	1,563 (1,453-1,672)	1,465 (1,356-1,574)	1,774 (1,404-2,145)	928 (793-1,063)	2,447 (2,209-2,685)
High	603 (457-749)	562 (416-707)	603 (457-749)	383 (67-698)	820 (515-1,125)	4,159 (3,525-4,794)	3,122 (2,528-3,716)	2,250 (1,243-3,256)	5,158 (4,014-6,302)	6,920 (4,032-9,808)
<b>Region</b>										
North America & Europe	29 (26-31)	29 (26-31)	-	29 (26-31)	-	481 (386-576)	481 (386-576)	357 (131-583)	385 (158-613)	575 (438-713)
Middle East	249 (0-508)	249 (0-508)	4 (0-8)	352 (345-360)	-	1,718 (1,456-1,979)	1,304 (1,055-1,553)	1,058 (838-1,277)	1,023 (414-1,613)	2,599 (1,760-3,438)
Asia	358 (276-439)	358 (276-439)	310 (57-562)	437 (264-461)	293 (222-364)	995 (885-1,106)	980 (870-1,090)	742 (492-992)	909 (755-1,063)	2,525 (1,753-3,296)
South & Central America	394	394	-	-	394	3,098	3,098	7,227	789	3,205

	(356-436)	(356-436)			(356-436)	(2,599-3,597)	(2,599-3,597)	(5,342-9,113)	(284-1,293)	(2,458-3,952)
Africa	690	369	420	234	1,367	3,062	2,638	2,083	4,205	4,351
	(567-812)	(260-477)	(234-607)	(110-358)	(1,049-1,686)	(2,785-3,339)	(2,378-2,897)	(1,642-2,525)	(3,487-4,923)	(3,689-5,013)
<b>Group</b>										
Drug users	-	-	-	-	-	1,157	1,157	1,157	-	-
						(809-1,505)	(809-1,505)	(809-1,505)		
Health workers	-	-	-	-	-	1,201	921	1,395	1,664	121
						(279-2,122)	(15-1,827)	(1,306-1,483)	(1,055-2,614)	(39-204)
Contacts/HHCs	-	-	-	-	-	1,690	1,690	1,444	1,677	1,777
						(1,511-1,869)	(1,511-1,869)	(1,112-1,776)	(1,163-2,190)	(1,553-2,001)
PLHIV	-	-	-	-	-	9,092	8,084	4,394	12,525	11,663
						(7,229-10,995)	(6,362-9,805)	(2,925-5,863)	(7,487-17,562)	(6,756-16,570)
Poor & marginalized	-	-	-	-	-	1,330	1,330	1,949	1,088	1,299
						(1,165-1,495)	(1,165-1,495)	(1,361-2,537)	(846-1,330)	(1,022-1,577)
Prison inmates	-	-	-	-	-	2,371	1,840	563	4,574	2,928
						(1,983-2,759)	(1,513-2,168)	(327-800)	(2,920-6,228)	(2,288-3,568)
Refugees & immigrants	-	-	-	-	-	257	257	314	254	270
						(186-328)	(186-328)	(37-590)	(145-362)	(120-421)
Mixed groups	-	-	-	-	-	658	423	-	336	1,198
						(511-804)	(309-538)		(90-583)	(935-1,460)

TB=Tuberculosis; HBC=High burden country; TB/HIV HBC=Tuberculosis/human immunodeficiency virus high burden country; HHC=household contact; PLHIV=People living with human immunodeficiency virus.

**Table 12. Sensitivity analysis for yield/prevalence ratio meta-analysis. References for excluded studies in superscript.**

	General Populations					At-Risk Groups				
	Overall	Excluding outliers <sup>68, 149</sup>	High risk of bias	Medium risk of bias	Low risk of bias	Overall	Excluding outliers <sup>77, 96, 102</sup>	High risk of bias	Medium risk of bias	Low risk of bias
Overall	1.4 (0.8-1.9)	1.1 (0.8-1.3)	1.1 (0.5-1.7)	1.0 (0.7-1.4)	2.1 (0.5-3.7)	12.5 (9.1-15.8)	11.7 (8.4-15.1)	6.2 (3.7-8.7)	8.7 (5.1-12.2)	21.2 (13.4-29.0)
<b>Burden</b>										
Non-HBC	1.3 (0.2-2.5)	1.3 (0.2-2.5)	-	1.3 (0.2-2.5)	-	9.2 (3.0-15.4)	9.2 (3.0-15.4)	2.9 (1.6-4.1)	9.3 (1.8-16.8)	17.4 (0-38.2)
HBC	1.4 (0.8-2.0)	1.1 (0.8-1.3)	1.1 (0.5-1.7)	1.0 (0.6-1.4)	2.1 (0.5-3.7)	12.9 (9.2-16.6)	12.1 (8.3-15.8)	6.8 (3.8-9.7)	8.6 (4.6-12.5)	21.6 (13.2)
Non-TB/HIV HBC	0.9 (0.6-1.3)	0.9 (0.6-1.3)	0.7 (0-1.4)	0.9 (0.3-1.5)	1.2 (1.1-1.3)	7.9 (3.8-12.0)	6.4 (3.5-9.2)	6.2 (0-14.0)	6.4 (2.2-10.6)	12.7 (0.1-25.2)
TB/HIV HBC	1.6 (0.8-2.3)	1.1 (0.8-1.5)	1.2 (0.5-1.9)	1.1 (0.6-1.6)	2.5 (0.3-4.7)	13.9 (9.7-18.1)	13.4 (9.1-17.6)	6.2 (3.5-8.9)	9.9 (4.9-14.8)	22.9 (13.9-31.9)
<b>Incidence</b>										
Low	-	-	-	-	-	-	-	-	-	-
Moderate	1.0 (0.2-1.8)	1.0 (0.2-1.8)	-	0.7 (0-1.4)	1.9 (1.8-1.9)	35.1 (19.3-50.9)	35.1 (19.3-50.9)	23.7 (23.1-24.4)	8.8 (3.1-14.5)	59.2 (42-76.4)
Medium	1.4 (0.6-2.2)	0.9 (0.7-1.2)	0.7 (0.4-1.1)	1.2 (0.8-1.7)	2.4 (0.1-4.6)	9.1 (6.5-11.7)	7.8 (5.5-10.0)	5.7 (2.8-8.6)	8.5 (4.2-12.7)	12.5 (7.1-17.9)
High	1.5 (0.7-2.3)	1.5 (0.7-2.3)	2.0 (0.6-3.4)	0.6 (0.4-0.9)	1.5 (0.5-2.4)	8.0 (3.6-12.5)	8.0 (3.6-12.5)	5.2 (1.6-8.8)	9.1 (0-19.9)	10.3 (3.3-17.3)
<b>Region</b>										
North America & Europe	0.2 (0.2-0.3)	0.2 (0.2-0.3)	-	0.2 (0.2-0.3)	-	6.5 (6.3-6.8)	6.5 (6.3-6.8)	-	6.5 (6.3-6.8)	-
Middle East	1.4 (0.8-2.1)	1.4 (0.8-2.1)	1.5 (1.0-1.9)	1.4 (0.3-2.5)	-	9.8 (0-19.7)	4.9 (2.3-7.5)	3.0 (2.6-3.3)	4.4 (0.7-8.2)	15.5 (0-34.5)
Asia	1.3 (0.9-1.7)	1.3 (0.9-1.7)	1.5 (0-3.1)	1.2 (0.7-1.7)	1.2 (0.9-1.6)	8.0 (4.6-11.5)	7.3 (4.1-10.6)	6.6 (0.4-12.7)	7.1 (2.5-11.7)	12.2 (3.1-21.2)
South & Central America	-	-	-	-	-	45.6 (27.5-63.7)	45.6 (27.5-63.7)	-	13.8 (6.3-21.4)	59.2 (42.0-76.4)
Africa	1.5 (0.5-2.6)	0.9 (0.5-1.2)	0.9 (0.3-1.5)	0.7 (0-1.4)	2.8 (0-5.6)	9.2 (6.2-12.2)	8.7 (5.8-11.6)	6.2 (3.5-8.8)	10.6 (2.8-18.4)	11.2 (6.0-16.4)

Group										
Drug users	-	-	-	-	-	11.9 (11.1-12.7)	11.9 (11.1-12.7)	11.9 (11.1-12.7)	-	-
Health workers	-	-	-	-	-	19.4 (0-47.3)	5.2 (5.2-5.3)	5.2 (5.2-5.3)	-	33.6 (33.3-34.0)
Contacts/HHCs	-	-	-	-	-	8.0 (5.4-10.6)	7.2 (5.1-9.4)	7.5 (1.0-14.1)	9.8 (4.1-15.5)	6.8 (4.3-9.3)
PLHIV	-	-	-	-	-	19.7 (13.7-25.7)	19.7 (13.7-25.7)	12.3 (6.4-18.2)	22.3 (9.5-35.1)	26.8 (16.7-37.0)
Poor & marginalized	-	-	-	-	-	3.0 (2.0-3.9)	3.0 (2.0-3.9)	2.1 (1.4-2.8)	3.1 (1.1-5.0)	5.2 (4.3-6.0)
Prison inmates	-	-	-	-	-	25.2 (11.6-38.8)	25.2 (11.6-38.8)	1.7 (0.7-2.7)	10.3 (1.7-18.8)	39.2 (19.6-58.7)
Refugees & immigrants	-	-	-	-	-	1.1 (0.9-1.3)	1.1 (0.9-1.3)	-	1.1 (0.9-1.3)	-
Mixed groups	-	-	-	-	-	8.8 (0-20.6)	3.0 (0-5.9)	-	1.6 (0.4-2.8)	27.0 (0-60.3)

**TB=Tuberculosis; HBC=High burden country; TB/HIV HBC=Tuberculosis/human immunodeficiency virus high burden country; HHC=household contact; PLHIV=People living with human immunodeficiency virus.**