

Appendix.4 Univariate and multivariate models for predictors of completing each cascade steps of LTBI-care after referral to TB-specialist in a review of 443 medical records for persons screening positive with IGRA in Stockholm County January 1st 2016 to December 31st 2017.

Table A4:1 Odds ratios, with 95% confidence intervals, for being invited to TB specialist clinic among those who were referred to TB specialist clinic in a review of 443 medical records in Stockholm County January 1st 2016 to December 31st 2017.				
		<i>Number invited to TB specialist clinic(n=386)</i>	<i>Crude OR (95% CI)</i>	<i>Adjusted OR*(95% CI)</i>
Sex				
	Male	291	Reference	Reference
	Female	95	0.71 (0.39-1.30)	1.33 (0.64-2.76)
Age				
	0-12 years	9	2.77 (0.47-16.21)	6.18 (0.97-39.39)
	13-19 years	191	13.1 (4.32-39.46)	28.86 (7.51-110.83)
	20-34 years	115	5.06 (1.79-14.31)	7.39 (2.28-23.95)
	35-54 years	58	1.49 (0.55-4.05)	1.81 (0.58-5.60)
	55+ years	13	Reference	Reference
TB incidence/100.000 in country of origin				
	<50	26	0.86 (0.29-2.55)	0.90 (0.27-3.02)
	50-99	38	2.21 (0.64-7.63)	2.72 (0.72-10.34)
	100-199	204	2.16 (0.95-4.89)	0.78 (0.28-2.14)
	200-299	71	1.18 (0.48-2.89)	0.79 (0.29-2.17)
	≥300	43	Reference	Reference
	Unknown	4	N/A	N/A
Risk factor, biological or/and environmental				
	No risk factor	288	Reference	Reference
	Risk factor	98	3.54 (1.37-9.11)	6.06 (2.21-16.64)

*Odds ratios adjusted for sex, age, environmental/biological risk factor and TB incidence in country of origin. As complete case analysis was used, the number of cases decreased due to missing data in incidence/100.000 in country of origin.

N/A=Not applicable

TB=Tuberculosis

OR=Odds Ratio

CI=Confidence intervals

Table A4:2 Odds ratios, with 95% confidence intervals, for visit to the TB specialist clinic among those invited by the TB specialist in a review of 443 medical records in Stockholm County January 1st 2016 to December 31st 2017.

		<i>Number visited the TB specialist clinic(n=366)</i>	<i>Crude OR (95% CI)</i>	<i>Adjusted OR* (95% CI)</i>
Sex				
	Male	277	Reference	Reference
	Female	89	0.75 (0.28-2.00)	1.08 (0.36-3.23)
Age				
	0-12 years	8	0.67 (0.04-12.27)	0.76 (0.04-15.10)
	13-19 years	186	3.10 (0.34-28.69)	3.44 (0.32-37.63)
	20-34 years	103	0.72 (0.09-5.99)	0.74 (0.08-6.63)
	35-54 years	57	4.75 (0.28-81.37)	4.87 (0.27-89.75)
	55+ years	12	Reference	Reference
TB incidence/100.000 in country of origin				
	<50	25	1.22 (0.11-14.15)	1.25 (0.10-15.17)
	50-99	36	0.88 (0.12-6.56)	0.68 (0.09-5.40)
	100-199	196	1.20 (0.25-5.84)	0.36 (0.07-1.92)
	200-299	64	0.45 (0.09-2.25)	0.36 (0.07-1.92)
	≥300	41	Reference	Reference
	Unknown	4	N/A	N/A
Risk factor, biological or/and environmental				
	No risk factor	264	Reference	Reference
	Risk factor	93	1.41 (0.50-3.97)	1.48 (0.50-4.34)

*Odds ratios adjusted for sex, age, environmental/biological risk factor and TB incidence in country of origin. As complete case analysis was used, the number of cases decreased due to missing data in incidence/100.000 in country of origin.

N/A=Not applicable

TB=Tuberculosis

OR=Odds Ratio

CI=Confidence intervals

Table A4: Odds ratios, with 95% confidence intervals, for recommended LTBI treatment after visit to the TB specialist clinic in a review of 443 medical records in Stockholm County January 1st 2016 to December 31st 2017.

		<i>Number recommended treatment(n=251)</i>	<i>Crude OR (95% CI)</i>	<i>Adjusted OR* (95% CI)</i>
Sex				
	Male	194	Reference	Reference
	Female	57	0.76 (0.46-1.26)	2.36 (1.19-4.73)
Age				
	0-12 years	4	3.00 (0.45-20.2)	4.27 (0.57-31.9)
	13-19 years	172	36.9 (8.95-152)	83.6 (16.6-420)
	20-34 years	59	4.02 (1.03-15.7)	6.96 (1.60-30.4)
	35-54 years	13	0.89 (0.21-3.76)	1.73 (0.37-8.10)
	55+ years	3	Reference	Reference
TB incidence/100.000 in country of origin				
	<50	12	0.97 (0.36-2.62)	1.29 (0.41-4.03)
	50-99	10	0.40 (0.16-1.05)	0.38 (0.12-1.19)
	100-199	162	5.00 (2.45-10.23)	1.32 (0.53-3.31)
	200-299	44	2.31 (1.03-5.19)	1.91 (0.73-5.00)
	≥300	20	Reference	Reference
	Unknown	3	N/A	N/A
Risk factor, biological or/and environmental				
	No risk factor	169	Reference	Reference
	Risk factor	61	1.11 (0.69-1.79)	1.63 (0.87-3.05)

*Odds ratios adjusted for sex, age, environmental/biological risk factor and TB incidence in country of origin. As complete case analysis was used, the number of cases decreased due to missing data in incidence/100.000 in country of origin.

N/A=Not applicable

TB=Tuberculosis

OR=Odds Ratio

CI=Confidence intervals

LTBI=Latent tuberculosis infection

Table A4:4 Odds ratios, with 95% confidence intervals, for initiated LTBI treatment after treatment recommendation in a review of 443 medical records in Stockholm County January 1st 2016 to December 31st 2017.

		<i>Number initiated treatment(n=244)</i>	<i>Crude OR (95% CI)</i>	<i>Adjusted OR* (95% CI)</i>
Sex				
	Male	191	Reference	Reference
	Female	53	0.21 (0.05-0.96)	0.45 (0.06-3.16)
Age				
	0-12 years	4	N/A	N/A
	13-19 years	172	N/A	N/A
	20-34 years	53	N/A	N/A
	35-54 years	12	N/A	N/A
	55+ years	3	Reference	Reference
TB incidence/100.000 in country of origin				
	<50	10	0.26 (0.02-3.27)	0.15 (0.01-2.58)
	50-99	10	N/A	N/A
	100-199	161	8.47 (0.51-141.07)	1.20 (0.06-22.81)
	200-299	42	1.11 (0.09-12.95)	0.57 (0.04-7.73)
	≥300	19	Reference	Reference
	Unknown	2	N/A	N/A
Risk factor, biological or/and environmental				
	No risk factor	164	Reference	Reference
	Risk factor	59	1.22 (0.23-6.42)	2.51 (0.36-17.62)

*Odds ratios adjusted for sex, age, environmental/biological risk factor and TB incidence in country of origin. As complete case analysis was used, the number of cases decreased due to missing data in incidence/100.000 in country of origin.

N/A=Not applicable

OR=Odds Ratio

CI=Confidence intervals

TB=tuberculosis

LTBI=Latent tuberculosis infection

Table A4:5 Odds ratios, with 95% confidence intervals, for completed treatment after LTBI treatment initiation in a review of 443 medical records in Stockholm County January 1st 2016 to December 31st 2017.

		<i>Number completed treatment(n=221)</i>	<i>Crude OR (95% CI)</i>	<i>Adjusted OR* (95% CI)</i>
Sex				
	Male	174	Reference	Reference
	Female	47	1.31 (0.49-3.50)	0.16 (0.02-1.68)
Age				
	0-12 years	4	N/A	N/A
	13-19 years	162	N/A	N/A
	20-34 years	44	N/A	N/A
	35-54 years	8	N/A	N/A
	55+ years	3	Reference	Reference
TB incidence/100.000 in country of origin				
	<50	8	0.70 (0.11-4.48)	N/A
	50-99	7	1.20 (0.22-6.53)	3.88 (0.20-74.46)
	100-199	150	0.21 (0.06-0.68)	0.22 (0.01-3.78)
	200-299	40	0.14 (0.02-0.81)	0.41 (0.03-6.58)
	≥300	14	Reference	Reference
	Unknown	2	N/A	N/A
Risk factor, biological or/and environmental				
	No risk factor	154	Reference	Reference
	Risk factor	47	2.74 (1.11-6.76)	2.23 (0.51-9.68)

*Odds ratios adjusted for sex, age, environmental/biological risk factor and TB incidence in country of origin. As complete case analysis was used, the number of cases decreased due to missing data in incidence/100.000 in country of origin.

N/A=Not applicable

OR=Odds Ratio

CI=Confidence intervals

LTBI=Latent tuberculosis infection

TB=Tuberculosis