

Supplemental Information

SUPPLEMENTAL TABLE 6 Countries With High Incidence Rates of Tuberculosis (>100 Cases per 100 000 Person-Years)

Country	Country	Country
Afghanistan	Guinea	Senegal
Angola	Guinea-Bissau	Seychelles
Bangladesh	Haiti	Sierra Leone
Benin	Honduras	Singapore
Bhutan	India	Solomon Islands
Bolivia	Indonesia	Somalia
Botswana	Ivory Coast	Sri Lanka
Brunei	Kenya	Swaziland
Burkina Faso	Kiribati	Tanzania
Burundi	Laos	Tibet
Cambodia	Lesotho	Togo
Cameroon	Liberia	Tunisia
Cape Verde	Libya	Tuvalu
Central African Republic	Madagascar	Uganda
Chad	Malawi	Vietnam
China	Maldives	Yemen
Comoros	Mali	Zambia
Congo	Marshall Islands	Zimbabwe
Democratic Republic of Congo	Mauritania	
Djibouti	Mauritius	
Dominican Republic	Mongolia	
East Timor	Mozambique	
Ecuador	Namibia	
Equatorial Guinea	Nepal	
Eritrea	Niger	
Ethiopia	Pakistan	
Federated States of Micronesia	Papua New Guinea	
Gabon	Peru	
Gambia	Philippines	
Georgia	Rwanda	
Guatemala	Sao Tome and Principe	

Cain KP, Benoit SR, Winston CA, Mac Kenzie WR. Tuberculosis among foreign-born persons in the United States. *JAMA*. 2008;300(4):405–412.

SUPPLEMENTAL TABLE 7 Countries With Moderate Incidence Rates of Tuberculosis (10–99 Cases per 100 000 Person-Years)

Country	Country	Country
Albania	Latvia	Syria
Algeria	Lebanon	Taiwan
Argentina	Lithuania	Tajikistan
Bahrain	Macedonia	Thailand
Belarus	Malaysia	Tonga
Belize	Mexico	Turkey
Bosnia and Herzegovina	Moldova	Turkmenistan
Brazil	Morocco	Ukraine
Bulgaria	New Caledonia	Uruguay
Burma (Myanmar)	Nicaragua	Uzbekistan
Chile	Nigeria	Vanuatu
Colombia	North Korea	Venezuela
Cook Islands	Northern Mariana Islands	Western Sahara
Costa Rica	Oman	
Croatia	Palau	
Egypt	Palestine	
El Salvador	Panama	
Estonia	Poland	
French Guiana	Portugal	
French Polynesia	Qatar	
Ghana	Romania	
Guam	Russia	
Guyana	Saudi Arabia	
Hungary	Serbia and Montenegro	
Iran	Slovakia	
Iraq	Slovenia	
Japan	South Africa	
Jordan	South Korea	
Kazakhstan	South Sudan	
Kuwait	Sudan	
Kyrgyzstan	Suriname	

Cain KP, Benoit SR, Winston CA, Mac Kenzie WR. Tuberculosis among foreign-born persons in the United States. *JAMA*. 2008;300(4):405–412.

SUPPLEMENTAL TABLE 8 Indeterminate QFT-GIT and Invalid T-SPOT Results for All Participants, by Age Group and Nativity (*N* = 3593)

Test Result	All Ages	<2 y	2–4 y	5–9 y	10–14 y
QFT-GIT, indeterminate, <i>n</i> (%)	33 (0.9)	5 (2.3)	12 (1.8)	11 (0.9)	5 (0.4)
T-SPOT, invalid, <i>n</i> (%)	15 (0.4)	1 (0.5)	2 (0.3)	5 (0.4)	7 (0.5)
Born in the United States, <i>n</i> = 287					
QFT-GIT, indeterminate, <i>n</i> (%)	4 (1.4)	0 (0.0)	2 (4.1)	1 (0.9)	1 (0.9)
T-SPOT, invalid, <i>n</i> (%)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)
Born outside of the United States, <i>n</i> = 3304					
QFT-GIT, indeterminate, <i>n</i> (%)	29 (0.9)	5 (2.6)	10 (1.6)	10 (0.9)	4 (0.3)
T-SPOT, invalid, <i>n</i> (%)	15 (0.5)	1 (0.5)	2 (0.3)	5 (0.4)	7 (0.5)

SUPPLEMENTAL TABLE 9 Single Test Results by Age Group, Nativity, and Contact Status

Test Results	All Ages	<2 y	2–4 y	5–9 y	10–14 y
All participants, <i>n</i> (%)					
TST+	958 (26.7)	65 (29.7)	165 (24.2)	271 (21.3)	457 (32.2)
QFT-GIT+ ^a	355 (9.9)	3 (1.4)	36 (5.3)	116 (9.2)	200 (14.1)
T-SPOT+ ^a	251 (7.1)	1 (0.5)	17 (2.5)	82 (6.5)	151 (11.0)
Born in the United States, <i>n</i> (%)					
TST+	57 (19.9)	0 (0.0)	11 (22.4)	24 (22.4)	22 (20.0)
QFT-GIT+	51 (18.0)	1 (5.0)	9 (18.4)	20 (18.9)	21 (19.3)
T-SPOT+	33 (11.5)	0 (0.0)	6 (12.2)	14 (13.1)	13 (11.8)
Born outside of the United States, <i>n</i> (%)					
TST+	901 (27.3)	65 (33.0)	154 (24.4)	247 (21.2)	435 (33.2)
QFT-GIT+ ^a	304 (9.3)	2 (1.0)	27 (4.3)	96 (8.3)	179 (13.7)
T-SPOT+ ^a	218 (6.8)	1 (0.5)	11 (1.8)	68 (5.9)	138 (10.9)
Contacts, <i>n</i> (%)					
TST+	100 (26.5)	1 (4.2)	19 (28.4)	42 (29.6)	38 (26.2)
QFT-GIT+	66 (17.6)	1 (4.3)	9 (13.4)	28 (19.9)	28 (19.4)
T-SPOT+	44 (11.8)	0 (0.0)	6 (9.0)	20 (14.2)	18 (12.7)
Noncontacts, <i>n</i> (%)					
TST+	858 (26.7)	64 (32.8)	146 (23.8)	229 (20.2)	419 (32.9)
QFT-GIT+ ^a	289 (9.0)	2 (1.0)	27 (4.4)	88 (7.9)	172 (13.5)
T-SPOT+ ^a	207 (6.6)	1 (0.5)	11 (1.8)	62 (5.6)	133 (10.8)

+, positive.

^a $P < .001$ for association of positive results with increasing age.**SUPPLEMENTAL TABLE 10** Agreement Between TST and IGRA Results by Nativity and Age Group

Nativity and Age Group	Test Result Combination, TST-IGRA				No. Participants	Concordance, %	κ
	+ and +	+ and –	– and +	– and –			
All participants, <i>n</i> (%)	306 (8.5)	652 (18.1)	63 (1.8)	2572 (71.6)	3593	80.1	0.37
Born in the United States, <i>n</i> (%)							
<2 y	0 (0.0)	0 (0.0)	1 (4.8)	20 (95.2)	21	95.2	NC
2–4 y	9 (18.4)	2 (4.1)	0 (0.0)	38 (77.6)	49	95.9	0.87
5–9 y	18 (16.8)	6 (5.6)	2 (1.9)	81 (75.7)	107	92.5	0.77
10–14 y	16 (14.5)	6 (5.5)	6 (5.5)	82 (74.5)	110	89.1	0.66
Born outside of the United States, <i>n</i> (%)							
<2 y	1 (0.5)	64 (32.5)	1 (0.5)	131 (66.5)	197	67.0	0.01
2–4 y	22 (3.5)	132 (20.9)	5 (0.8)	472 (74.8)	631	78.3	0.18
5–9 y	79 (6.8)	168 (14.4)	22 (1.9)	897 (76.9)	1166	83.7	0.38
10–14 y	161 (12.3)	274 (20.9)	26 (2.0)	849 (64.8)	1310	77.1	0.40

NC, not calculable; –, negative; +, positive.

SUPPLEMENTAL TABLE 11 QFT-GIT and T-SPOT Results for Participants With Positive IGRA Results, by Age Group and Nativity

Test Results	All Ages	<2 y	2–4 y	5–9 y	10–14 y
Born in the United States, <i>n</i> (%)					
QFT-GIT+ and T-SPOT+	32 (61.5)	0 (0.0)	6 (66.7)	14 (70.0)	12 (54.6)
QFT-GIT+ and T-SPOT–	19 (36.5)	1 (100.0)	3 (33.3)	6 (30.0)	9 (40.9)
QFT-GIT– and T-SPOT+	1 (1.9)	0 (0.0)	0 (0.0)	0 (0.0)	1 (4.6)
Born outside of the United States, <i>n</i> (%)					
QFT-GIT+ and T-SPOT+	205 (65.1)	1 (50.0)	11 (40.7)	63 (62.4)	130 (70.3)
QFT-GIT+ and T-SPOT–	91 (28.9)	1 (50.0)	16 (59.3)	32 (31.7)	42 (22.7)
QFT-GIT+ and T-SPOT missing	6 (1.9)	0 (0.0)	0 (0.0)	1 (1.0)	5 (2.7)
QFT-GIT– and T-SPOT+	13 (4.1)	0 (0.0)	0 (0.0)	5 (5.0)	8 (4.3)

–, negative; +, positive.