

Table S1 – SENSITIVITY AND SPECIFICITY OF THE TST STRATIFIED BY DEFINITION OF LTBI

Pooled Sensitivity and Specificity of the Tuberculin Skin Test Stratified by Definition of LTBI		
LTBI Proxy	Sensitivity	Specificity
Previous TB Contact	0.2456 (0.2106 - 0.2832)	0.6413 (0.6154 - 0.6666)
History of TB	0.6196 (0.5124 - 0.7188)	0.6409 (0.6147 - 0.6664)
Chest X-ray Indicative of Previous TB	0.4697 (0.3456 - 0.5966)	0.6323 (0.5934 - 0.6700)
Combination	0.2131 (0.1186 - 0.3368)	0.7959 (0.7326 - 0.8500)
*Combination: Using a mix of Previous TB Contact, History of TB, and Chest X-ray		

Table S2 – POOLED SENSITIVITY AND SPECIFICITY OF QUANTIFERON-TB GOLD STRATIFIED BY DEFINITION OF LTBI

Pooled Sensitivity and Specificity of QuantiFERON-TB Gold Stratified by Definition of LTBI		
LTBI Proxy	Sensitivity	Specificity
Excluding Indeterminates - Previous TB Contact	0.4054 (0.3256 - 0.4891)	0.6240 (0.5791 - 0.6673)
Indeterminates Treated as a Negative Result - Previous TB Contact	0.4474 (0.3331 - 0.5659)	0.6883 (0.6243 - 0.7474)
Indeterminates Treated as a Positive Result - Previous TB Contact	0.4474 (0.3331 - 0.5659)	0.6234 (0.5575 - 0.6861)
Excluding Indeterminates - History of TB	0.7000 (0.5679 - 0.8115)	0.6423 (0.5981 - 0.6847)
Indeterminates Treated as a Negative Result - History of TB	0.6250 (0.4735 - 0.7605)	0.7622 (0.7106 - 0.8087)
Indeterminates Treated as a Positive Result - History of TB	0.7292 (0.5815 - 0.8472)	0.6189 (0.5620 - 0.6735)
Excluding Indeterminates - Chest X-ray Indicative of Previous TB	0.5862 (0.3894 - 0.7648)	0.6833 (0.6100 - 0.7505)
Indeterminates Treated as a Negative Result - Chest X-ray Indicative of Previous TB	0.5862 (0.3894 - 0.7648)	0.6919 (0.6200 - 0.7576)
Indeterminates Treated as a Positive Result - Chest X-ray Indicative of Previous TB	0.5862 (0.3894 - 0.7648)	0.6649 (0.5919 - 0.7324)
Excluding Indeterminates - Combination	0.7107 (0.6213 - 0.7895)	0.8176 (0.7513 - 0.8726)
Indeterminates Treated as a Negative Result - Combination	0.5926 (0.3880 - 0.7761)	0.9054 (0.8148 - 0.9611)
Indeterminates Treated as a Positive Result - Combination	0.5926 (0.3880 - 0.7761)	0.8243 (0.7183 - 0.9030)

*Combination: Using a mix of Previous TB Contact, History of TB, and Chest X-ray

Figure S1 - POOLED SENSITIVITY - RANDOM EFFECTS MODEL

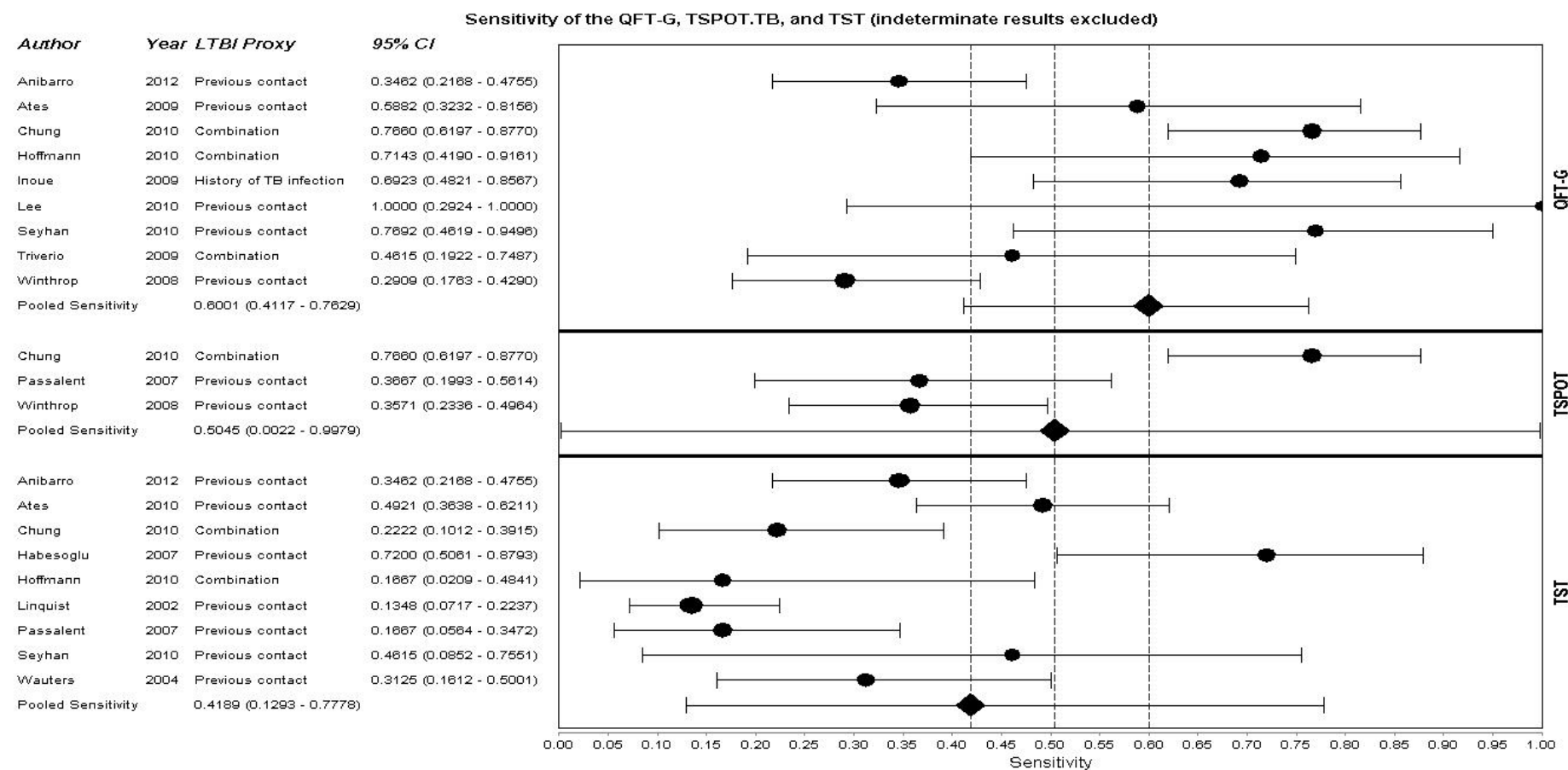


Figure S2 – POOLED SPECIFICITY – RANDOM EFFECTS MODEL

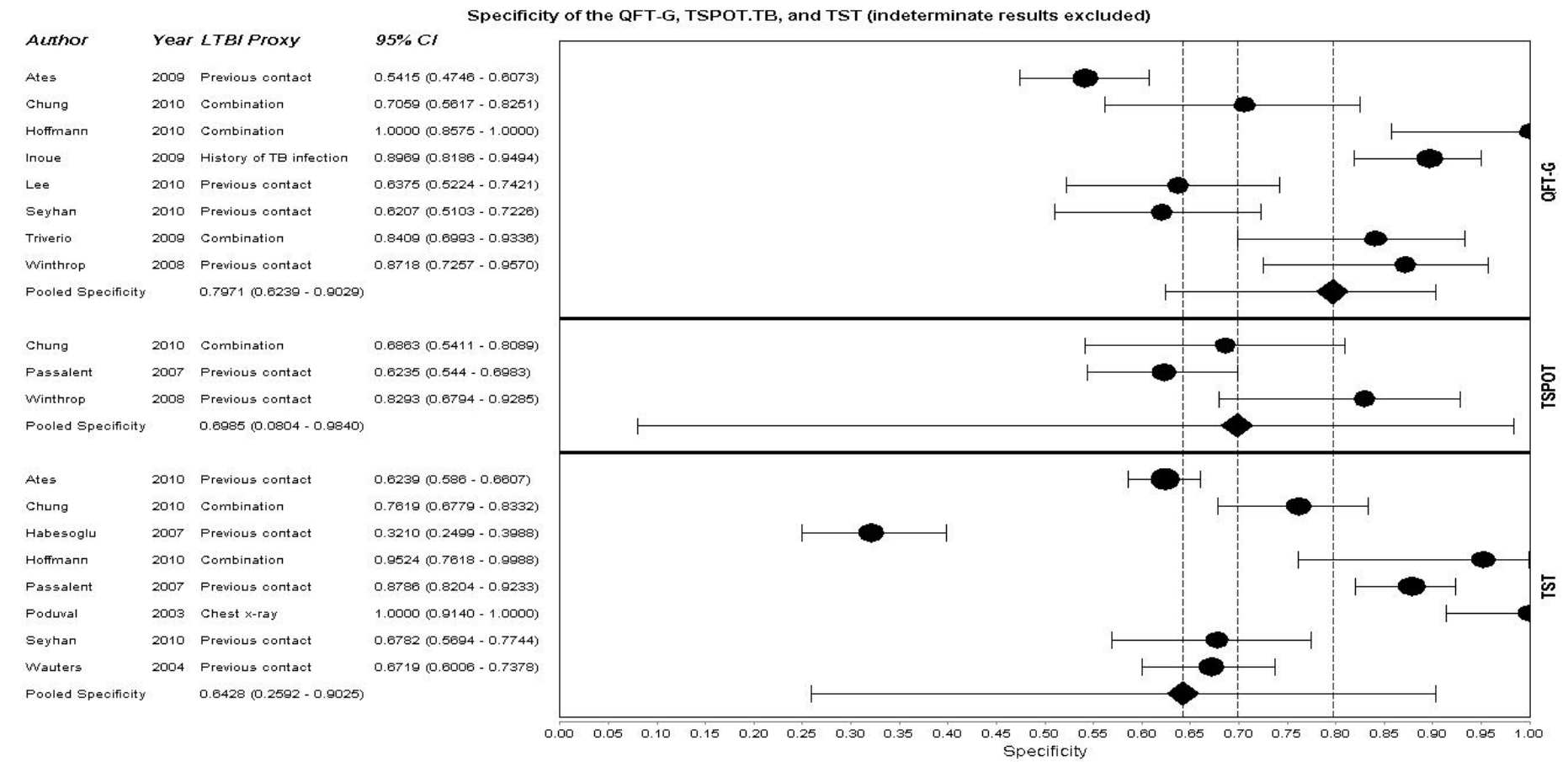


Table S3 – SENSITIVITY AND SPECIFICITY OF THE TST STRATIFIED BY DEFINITION OF LTBI – RANDOM EFFECTS MODEL

Pooled Sensitivity and Specificity of the Tuberculin Skin Test Stratified by Definition of LTBI		
LTBI Proxy	Sensitivity	Specificity
Previous TB Contact	0.2858 (0.1579 - 0.4606)	0.7515 (0.5926 - 0.8628)
History of TB	0.6132 (0.1938 - 0.9127)	0.6652 (0.3728 - 0.8691)
Chest X-ray Indicative of Previous TB	0.5871 (0.0569 - 0.9710)	0.5157 (0.0533 - 0.9527)
Combination	0.2131 (0.0051 - 0.9350)	0.7959 (0.2909 - 0.9737)

*Combination: Using a mix of Previous TB Contact, History of TB, and Chest X-ray

Table S4 – POOLED SENSITIVITY AND SPECIFICITY OF QUANTIFERON-TB GOLD STRATIFIED BY DEFINITION OF LTBI – RANDOM EFFECTS MODEL

Pooled Sensitivity and Specificity of QuantiFERON-TB Gold Stratified by Definition of LTBI		
LTBI Proxy	Sensitivity	Specificity
Excluding Indeterminates - Previous TB Contact	0.4865 (0.2479 - 0.7314)	0.7146 (0.5071 - 0.8590)
Indeterminates Treated as a Negative Result - Previous TB Contact	0.5636 (0.0007 – 0.9996)	0.7277 (0.0827 - 0.9875)
Indeterminates Treated as a Positive Result - Previous TB Contact	0.5926 (0.0003 – 0.9999)	0.6504 (0.1216 - 0.9615)
Excluding Indeterminates - History of TB	0.7023 (0.3976 - 0.8940)	0.6933 (0.3095 - 0.9194)
Indeterminates Treated as a Negative Result - History of TB	0.6638 (0.0144 - 0.9963)	0.7705 (0.0047 - 0.9996)
Indeterminates Treated as a Positive Result - History of TB	0.7292 (0.0416 - 0.9940)	0.6189 (0.2673 - 0.8785)
Excluding Indeterminates - Chest X-ray Indicative of Previous TB	0.5686 (0.0033 - 0.9981)	0.6974 (0.1009 - 0.9793)
Indeterminates Treated as a Negative Result - Chest X-ray Indicative of Previous TB	0.5552 (0.0033 - 0.9978)	0.7069 (0.1004 - 0.9817)
Indeterminates Treated as a Positive Result - Chest X-ray Indicative of Previous TB	0.5510 (0.0039 - 0.9974)	0.6718 (0.1574 - 0.9573)
Excluding Indeterminates - Combination	0.6991 (0.4684 - 0.8597)	0.8466 (0.4763 - 0.9710)

*Combination: Using a mix of Previous TB Contact, History of TB, and Chest X-ray

Figure S3 – MeSH TERMS

(((((("Mass Screening"[Mesh:noexp] OR "Diagnosis/instrumentation"[Mesh] OR "Diagnosis/standards"[Mesh] OR "Diagnosis/supply and distribution"[Mesh] OR "population screening"[TIAB] OR "mass screening"[TIAB] OR "routine screening"[TIAB] OR "mandatory screening"[TIAB]) AND ("tuberculosis"[TIAB] OR "Latent Tuberculosis"[Mesh] OR "Peritonitis, Tuberculous"[Mesh] OR "Tuberculosis, Miliary"[Mesh] OR "Tuberculosis, Pulmonary"[Mesh] OR "Tuberculosis, Urogenital"[Mesh] OR "Mycobacterium tuberculosis"[Mesh])) AND ("kidney failure, chronic"[mesh] OR "renal insufficiency"[mesh] OR "renal dialysis"[mesh] OR "kidney transplantation"[mesh] OR "hemodialysis"[tiab] OR "dialysis"[TIAB] OR "peritoneal"[TIAB]))) OR ((("Tuberculosis/diagnosis"[Mesh]) AND ("kidney failure, chronic"[mesh] OR "renal insufficiency"[mesh] OR "renal dialysis"[mesh] OR "kidney transplantation"[mesh] OR "hemodialysis"[tiab] OR "dialysis"[TIAB] OR "peritoneal"[TIAB]))) OR ((("Tuberculin"[Mesh] OR "Tuberculin Test"[Mesh] OR "tuberculin skin test"[tiab] OR "tuberculin sensitivity test"[tiab] OR "TST"[tiab] OR "interferon-gamma assay"[tiab] OR "IGRAs"[tiab] OR "IGRA"[tiab] OR "Interferon-gamma Release Tests"[Mesh] OR "quantiferon"[tiab] OR "ESAT6"[tiab] OR "ESAT-6"[tiab] OR "CFP10"[tiab] OR "CFP-10"[tiab] OR "t-spot"[tiab]) AND ("kidney failure, chronic"[mesh] OR "renal insufficiency"[mesh] OR "renal dialysis"[mesh] OR "kidney transplantation"[mesh] OR "hemodialysis"[tiab] OR "dialysis"[TIAB] OR "peritoneal"[TIAB]))))