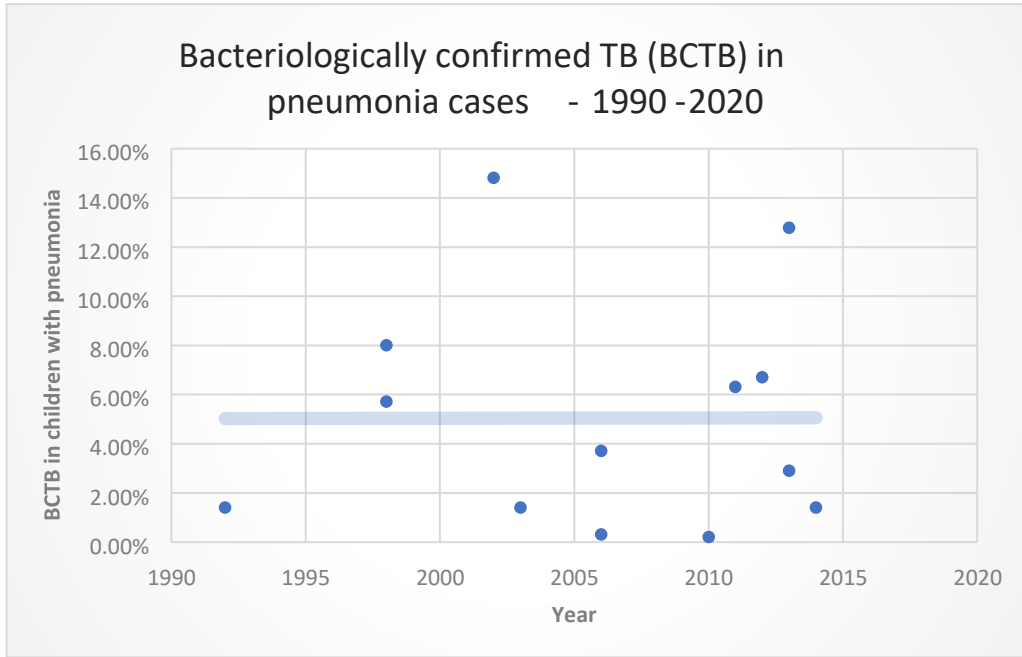


Supplemental material

Appendix S1: MEDLINE (Ovid) search strategy

1. exp *Pneumonia/
2. ((respiratory adj3 infection*) or pneumonia or pneumonias or lung-inflammation* or lobitis or nonspecificinflammatory-lung-disease* or peripneumonia or pleuropneumonia or pleuropneumonitis or pneumonic-lung* or pneumonic-pleurisy or pneumonic-pleuritis or pneumonitides or pneumonitis or pulmonal-inflammation* or pulmonary-inflammation* or pulmonic-inflammation* or bronchiolitis).tw,kf.
3. *Pneumococcal Infections/
4. 1 or 2 or 3 5. exp Comorbidity/
6. co.fs.
7. hospitalization/ or patient admission/
8. adolescent, hospitalized/ or child, hospitalized/ or inpatients/
9. "Severity of Illness Index"/
10. (inpatient* or admission* or hospital* or severe or comorbidit* or co-morbidit* or multi-morbidit* or complication*).tw,kf.
11. 5 or 6 or 7 or 8 or 9 or 10
12. exp *Tuberculosis/
13. *Mycobacterium tuberculosis/
14. (Tuberculosis or tuberculous-infection* or tuberculous-lesion*).tw,kf. 15. 12 or 13 or 14
16. ep.fs.
17. incidence/ or prevalence/ or Prospective Studies/
18. *risk/ or exp *risk assessment/ or *risk factors/
19. (burden or risk or risks or determinant* or predict* or prospective* or incidence or prevalence).tw,kf.
20. exp "Sensitivity and Specificity"/
21. "cost of illness"/
22. 16 or 17 or 18 or 19 or 20 or 21
23. (infan* or toddler* or pre-schooler* or preschooler* or kinder or kinders or kindergarten* or kinder-aged or boy or boys or girl or girls or child or children or childhood or pediatric* or paediatric* or school-age* or schoolage* or schoolchild* or schoolgirl* or schoolboy* or adolescen* or youth or youths or teen or teens or teenage*).af.
24. (Xpert-MTBRIF or Xpert-MTB-RIF).tw,kf.
25. (x-ray* or xray* or imaging or radiolog* or cxr or radiogra*).tw,kf,hw.
26. (mantoux or tb-test* or skin-test* or blood or serolog* or sputum or stool or gastric-aspirate* or tuberculintest* or urine or lung or culture* or specimen* or PCR or polymerase-chain-reaction* or pleural-fluid* or NP-OP or swab* or nasopharyngeal-and-oropharyngeal or naso-pharyngeal-and-oro-pharyngeal or nasopharyngealoropharyngeal or naso-pharyngeal-oro-pharyngeal).tw,kf,hw.
27. Molecular Diagnostic Techniques/ 28. Tuberculin Test/
29. ip.fs.
30. (clinical-presentation* or clinical-feature* or clinical-sign* or clinical-symptom* or clinical-syndrome*).tw,kf.
31. (diagnos* or detection or investigation*).tw,kf.
32. early diagnosis/ or delayed diagnosis/
33. 24 or 25 or 26 or 27 or 28 or 29 or 30 or 31 or 32
34. 4 and 11 and 15 and 22 and 23 and 33
35. limit 34 to (english language and yr="1990 -Current")

Appendix S2: Prevalence of bacteriologically confirmed TB (BCTB) in studies of children with pneumonia



Appendix S3: EPHPP Quality Assessment Tool for Quantitative Studies, assessed at outcome level

Study	Selection Bias	Study design	Confounders	Blinding	Data collection methods	Withdrawals and dropouts	GLOBAL RATING
Adegbola 1994	Weak	Moderate	Moderate	Moderate	Weak-Moderate	Strong	Moderate
Bolursaz 2017	Weak	Moderate	Weak	Weak	Moderate	Moderate	Weak
Chintu 2002	Weak	Moderate	Moderate	Strong	Moderate	Moderate	Moderate
Chisti 2015	Moderate	Moderate-strong	Moderate	Weak	Moderate	Strong	Moderate
Graham 2011	Moderate	Moderate	Weak	Weak	Weak	Strong	Weak
Hammitt 2012	Moderate	Moderate	Weak	Moderate	Moderate	Moderate	Moderate
Madhi 2000	Weak	Moderate	Weak	Moderate	Moderate	Strong	Weak
McNally 2007	Moderate	Moderate	Strong	Moderate	Moderate	Strong	Strong
Moore 2010	Weak	Moderate	Moderate	Moderate	Weak	Strong	Weak
Moore 2017	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate
Nantongo 2013	Moderate	Moderate	Strong	Moderate	Moderate	Moderate	Strong
O'Brien 2019	Moderate	Moderate	Strong	Strong	Moderate	Strong	Strong
Rennert 2002	Weak	Moderate	Moderate	Moderate	Moderate	Strong	Moderate
Uriyo 2006	Moderate	Moderate	Weak	Moderate	Weak	Moderate	Weak
Zar 2001	Moderate	Moderate	Moderate	Moderate	Moderate	Strong	Strong