

## Clinical trials

Study name	Author	Country	Year started	Was the allocation sequence adequately generated?	Was treatment allocation adequately concealed?	Was knowledge of the allocated intervention prevented during the study?	Were incomplete outcome data adequately addressed?	Are reports of the study free from the suggestion of selective outcome reporting?	Was ascertainment of cases comparable?	Was diagnosis detection bias prevented?
Native American <sup>5</sup>	Aronson	USA	1935	No	Unclear	Yes	Unclear	Yes	Yes	Yes
Turtle and Rosebud infants <sup>45</sup>	Aronson	USA	1938	No	Unclear	No	Yes	Yes	Yes	Yes
Illinois mentally handicapped <sup>50</sup>	Bettag	USA	1947	Unclear	Unclear	No	Yes	Yes	Yes	No
African gold miners <sup>54</sup>	Coetzee	South Africa	1965	No	Unclear	No	Yes	Yes	Yes	Yes
Saskatchewan infants <sup>13</sup>	Ferguson	Canada	1933	Unclear	Unclear	No	Yes	Yes	Yes	Yes
Madanapalle <sup>53</sup>	Frimodt-Moller	India	1950	Unclear	Unclear	No	No	Unclear	Unclear	Yes
NY infants randomised <sup>12</sup>	Levine	USA	1933	No	No	No	Unclear	Yes	Yes	Yes
MRC <sup>14</sup>	MRC	UK	1950	No	Unclear	No	Unclear	Yes	Yes	Yes
Agra <sup>51</sup>	Mehtrotra	India		Unclear	Unclear	No	Unclear	Yes	Unclear	Yes
Bombay infants <sup>52</sup>	Mehta	India		Unclear	Unclear	No	Unclear	Yes	Yes	Yes
Georgia/Alabama <sup>15</sup>	Palmer	USA	1950	No	No	No	Yes	Yes	Yes	Unclear
Puerto Rico children <sup>15</sup>	Palmer	USA	1949	No	No	No	Unclear	Yes	Yes	No
Chicago nurses <sup>47</sup>	Rosenthal	USA	1940	No	Unclear	Unclear	Unclear	Yes	Yes	Yes
Chicago medical students <sup>46</sup>	Rosenthal	USA	1939	Unclear	Unclear	Unclear	Unclear	Yes	Unclear	No
Chicago infants TT HH <sup>48</sup>	Rosenthal	USA	1941	No	Yes	No	Yes	Yes	Yes	Yes
Chicago infants CCH <sup>48</sup>	Rosenthal	USA	1937	No	Unclear	No	Yes	Yes	Yes	Yes
Ida B Wells housing project <sup>44</sup>	Rosenthal	USA	1942	No	Unclear	Unclear	Unclear	Yes	Yes	Yes
US mental Health patients <sup>44</sup>	Rosenthal	USA	1944	No	Unclear	No	Unclear	Yes	Unclear	No
Georgia (school) <sup>49</sup>	Shaw	USA	1947	No	No	No	Unclear	Yes	Yes	No
Chingleput <sup>28</sup>	TBPT	India	1968	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Haiti <sup>55</sup>	Vandiviere	Haiti	1965	Unclear	Yes	Yes	Yes	Yes	Yes	Yes

## Case-control studies

Study name	Author	Country	Year started	Were vaccination definitions the same for cases and control subjects?	Was disease status blinded to BCG assessors?	Were control subjects sampled from the same population that gave rise to the cases?	Were cases and control subjects independently determined?	Was this a matched study?	If a matched study design was a matched analysis performed?	Were study results adjusted for SES?
Saudi Arabia <sup>77</sup>	Al-Kassimi	Saudi Arabia	1991	Yes	No	Yes	Yes	No	No	No
Lucknow children <sup>60</sup>	Awasthi	India	1995	Yes	Unclear	Yes	Yes	No	No	Yes
Delhi <sup>57</sup>	Bhattacharjee	India	1989	Yes	Unclear	Yes	Unclear	Yes	Yes	No
Madagascar children <sup>79</sup>	Boileau	Madagascar	1992	Yes	Unclear	Yes	Yes	Yes	No	No
Brazil <sup>67</sup>	Camargos	Brazil	1975	Yes	No	Yes	Unclear	Yes	Yes	Yes
Bangalore children <sup>56</sup>	Chadha	Bangalore		Yes	Unclear	Yes	Unclear	Yes	No	Yes
Thailand <sup>66</sup>	Chavalittemrong	Thailand	1980	Yes	Unclear	Yes	Unclear	No	No	No
Canada 1975 <sup>63</sup>	Houston	Canada	1975	Yes	Unclear	Yes	Yes	Yes	Yes	Yes
Lucknow paediatric <sup>61</sup>	Kumar	India		Yes	No	Yes	Yes	No	No	Yes
Korea <sup>71</sup>	Kwong	Republic of Korea	1979	No	No	Yes	Yes	Yes	No	No
Mexico <sup>76</sup>	Martinez-Gonzalez	Mexico	1991	Yes	Unclear	Yes	Yes	Yes	No	Yes
Argentina <sup>72</sup>	Miceli	Argentina	1981	Yes	Unclear	Yes	Yes	No	No	No
Delhi paediatric <sup>68</sup>	Mittal	India	1993	Yes	No	Yes	Yes	No	No	No
Papua New Guinea children <sup>69</sup>	Murtagh	Papua New Guinea	1975	Yes	No	Yes	Yes	No	No	No
Myanmar <sup>74</sup>	Myint	Myanmar	1983	Yes	Unclear	Yes	Yes	Yes	No	Yes
Birmingham UK <sup>33</sup>	Packe	UK	1965	Yes	Unclear	Yes	Yes	Yes	Yes	No
Nepal <sup>75</sup>	Pust	Nepal	1983	No	No	Yes	Unclear	Yes	No	No
Indonesia <sup>73</sup>	Putrali	Indonesia	1981	Yes	Unclear	Yes	Unclear	Yes	No	No
Asian children in UK <sup>32</sup>	Rodrigues	UK		Yes	Unclear	Yes	Yes	Yes	Yes	Yes
Call children <sup>70</sup>	Shapiro	Colombia	1977	Yes	Unclear	Yes	Yes	Yes	Yes	No
Bangkok children <sup>65</sup>	Sirinavin	Thailand	1987	Yes	Unclear	Yes	Yes	Yes	Yes	Yes
Osaka children <sup>76</sup>	Takamatsu	Japan	1988	Unclear	Unclear	Yes	Yes	Yes	No	Yes
India <sup>59</sup>	Thiiothammal	India	1990	Yes	Unclear	Yes	Unclear	Yes	No	No
São Paulo <sup>68</sup>	Wunsch Filho	Argentina	1981	Yes	Unclear	Yes	Yes	Yes	Yes	Yes
Canada <sup>64</sup>	Young	Canada	1979	Yes	Unclear	Yes	Unclear	Yes	Yes	No
Nagpur hospital <sup>62</sup>	Zodpey	India	1994	Unclear	Unclear	Yes	Yes	Yes	Yes	Yes

## Cohort studies

Study name	Author	Country	Year started	Was case ascertainment blinded to vaccination status?	Were methods of case ascertainment identical for vaccinated and unvaccinated groups?	Were losses to follow-up similar in each group?	Was diagnosis detection bias prevented?	Were study results adjusted for SES?
Brazil REVAC <sup>6</sup>	Barreto	Brazil	1996	No	Yes	Unclear	Yes	Yes
US physicians <sup>85</sup>	Barrett-Connor	USA	1974	No	Yes	Unclear	No	No
Jordan <sup>119</sup>	Battaha	Jordan	1980	No	Yes	Unclear	No	No
Dutch nurses <sup>112</sup>	Bergsma	Netherlands	1939	No	Yes	Unclear	Yes	No
Norway <sup>101</sup>	Borgen	Norway	1947	No	Yes	No	Yes	No
Edinburgh 1977 contacts <sup>97</sup>	Capewell	UK	1977	No	Yes	Unclear	No	No
Edinburgh <sup>96</sup>	Capewell	UK	1985	No	Yes	Unclear	No	No
Philadelphia nurses <sup>92</sup>	Chakravarty	USA	1950	No	Yes	Unclear	Yes	No
Dublin nurses <sup>115</sup>	Counihan	Ireland	1949	No	Yes	Yes	No	No
Hesse 23 districts <sup>106</sup>	Daelen	Germany	1947	Unclear	Unclear	Unclear	No	No
Swedish conscripts <sup>113</sup>	Dahlstrom	Sweden	1941	No	Yes	Yes	No	No
Boston nurses <sup>89</sup>	DeFriez	USA	1947	No	Yes	Unclear	No	No
Lyon students <sup>108</sup>	Despierres	France	1956	No	Yes	No	Yes	No
Hamburg children <sup>105</sup>	Ehrengut	Germany		Unclear	Unclear	Unclear	Unclear	No
Morocco children <sup>116</sup>	Gaud	Morocco	1950	No	Yes	Yes	Yes	No
Chicago medical students <sup>90</sup>	Geiseler	USA	1938	No	Yes	Yes	No	No
French children <sup>109</sup>	Gernez-Rieux	France	1948	No	Yes	Yes	Yes	No
Uruguay infants <sup>114</sup>	Gomez	Uruguay	1943	No	Yes	Unclear	No	No
Oslo nurses <sup>150</sup>	Heimbeck	Norway	1927	No	Yes	Unclear	No	No
UK contacts <sup>89</sup>	Horne	UK	1973	No	Yes	Unclear	Yes	No
Seoul contacts <sup>120</sup>	Jin	Republic of Korea	1984	Yes	Yes	Unclear	Yes	No

Study name	Author	Country	Year started	Was case ascertainment blinded to vaccination status?	Were methods of case ascertainment identical for vaccinated and unvaccinated groups?	Were losses to follow-up similar in each group?	Was diagnosis detection bias prevented?	Were study results adjusted for SES?
Virginia infants <sup>34</sup>	Kendig	USA	1948	No	Yes	Unclear	No	No
Richmond infants <sup>33</sup>	Kendig	USA	1949	No	Yes	Unclear	Yes	No
New York infants <sup>91</sup>	Kereszturi	USA	1927	No	Yes	Unclear	No	No
Rzeszow children <sup>118</sup>	Kubit	Poland	1965	No	Yes	Unclear	No	No
Bangui contacts <sup>121</sup>	Lanckriet	Bangui	1989	Yes	Yes	Unclear	Yes	No
Siblings cohort <sup>107</sup>	Liebknecht	Germany	1949	No	Yes	Unclear	No	No
Ancona children <sup>111</sup>	Mariotti	Italy	1938	No	Yes	Unclear	No	No
Norwegian deported <sup>103</sup>	Oeding	Norway	1940	No	Yes	Unclear	No	No
Bornholm <sup>151</sup>	Olsen	Denmark	1936	No	Yes	Unclear	No	No
Karonga <sup>24</sup>	Ponnighaus	Malawi	1979	Unclear	Yes	Unclear	No	Yes
Edinburgh contacts <sup>86</sup>	Rubilar	UK	1982	Unclear	Unclear	Unclear	Yes	No
Bougie schoolchildren <sup>117</sup>	Sarrouy	Algeria	1950	No	Yes	Unclear	Yes	No
Dusseldorf children <sup>149</sup>	Trub	Germany	1954	No	Yes	Unclear	No	No
Norway <sup>102</sup>	Tverdal	Norway	1956	Unclear	Yes	Yes	Unclear	No
Strasbourg students <sup>110</sup>	Vaucher	France	1947	No	Yes	Unclear	Yes	No
Medical students UK <sup>100</sup>	Verney	UK	1949	No	Unclear	Unclear	No	No
Trysil Norway <sup>104</sup>	Anon.	Norway	1927	No	Yes	Unclear	No	No

## Case population studies

Study name	Author	Were cases and population the same in terms of <i>time</i> ?	Were cases and population the same in terms of <i>geography</i> ?	Were cases and population the same in terms of <i>age</i> ?	Was case ascertainment blinded to vaccination status?	Was disease status blinded to BCG assessors?	Were methods of case ascertainment same for vaccinated and unvaccinated?
Malaysia 0- to 19-year-olds <sup>159</sup>	WHO	Yes	Yes	Yes	No	No	Yes
Malaysia meningitis <sup>159</sup>	WHO	Yes	Yes	Yes	No	No	Yes
Korea 1976 <sup>159</sup>	WHO	Yes	Yes	Yes	Unclear	Unclear	Yes
Britain survey <sup>153</sup>	Sutherland	Yes	Yes	Yes	No	No	Yes
France case population <sup>168</sup>	Schwoebel	Yes	Yes	Yes	Yes	No	Yes
Birmingham schoolchildren 54–58 <sup>152</sup>	Springett	Yes	Yes	Yes	No	Yes	Yes
Israel neonatal <sup>162</sup>	Zilber	Yes	Yes	Yes	Unclear	Unclear	Yes
Canadian nurses <sup>156</sup>	Burill	Yes	Yes	Yes	Unclear	No	Yes
Brazil meningitis <sup>166</sup>	Martins	Yes	Yes	Yes	Unclear	Unclear	Unclear
South Asian adults <sup>155</sup>	Chaloner	Yes	No	Yes	Unclear	Unclear	Yes
Quebec meningitis <sup>157</sup>	Frappier	Yes	Yes	Yes	Yes	Yes	Yes
Taiwan meningitis <sup>169</sup>	Chan	Yes	Yes	Unclear	Unclear	Unclear	Yes
Bydgoszcz children <sup>160</sup>	Krzyszowska	Yes	Yes	Yes	No	No	Unclear
Singapore schoolchildren <sup>165</sup>	Chew	Yes	Yes	Yes	Unclear	No	Unclear
France schoolchildren <sup>168</sup>	Schwoebel	Yes	Yes	Yes	Unclear	Unclear	Yes
Manchester hospital <sup>154</sup>	Curtis	Yes	Yes	Yes	Unclear	Unclear	Yes
Czechoslovakia meningitis <sup>170</sup>	Votjek	Yes	Yes	Yes	Unclear	Unclear	Yes
Quebec pulmonary <sup>158</sup>	Frappier	Yes	Yes	Yes	Yes	Yes	Yes
Ireland survey <sup>167</sup>	Kelly	Yes	Yes	Yes	No	Yes	Yes
Cologne children <sup>164</sup>	Lotschert	Yes	Yes	Yes	No	No	Unclear
Hungary 4- to 14-year-olds <sup>163</sup>	Lugosi	Yes	Yes	Yes	Unclear	Unclear	Yes

## Cross-sectional studies

Study name	Author	Country	Year started	Were cases (and control subjects) ascertainment blinded to vaccination status?	Was disease status blinded to BCG assessors?	Were cases and control subjects ascertained independently of vaccine status?	Were study results adjusted for SES?
Kenya <sup>187</sup>	Aluoch	Kenya	1979	Yes	Unclear	Yes	No
Liege children <sup>182</sup>	Bassleer	Belgium	1950	Unclear	Unclear	Yes	No
Surui Indians <sup>180</sup>	Basta	Brazil	2003	Yes	Unclear	Yes	No
Naples classroom <sup>185</sup>	Biscione	Italy	1967	Yes	No	Yes	No
Madrid contacts <sup>175</sup>	Castan Vidal	Spain		Yes	Unclear	Yes	No
Madras <sup>186</sup>	Chandra	India	1968	Yes	Unclear	Unclear	No
Tohoku outpatients <sup>181</sup>	Ebina	Japan	1949	Unclear	Unclear	Yes	No
Vaupes population <sup>191</sup>	Garcia	Colombia	2001	Yes	No	Yes	No
Opstine Zvezdara <sup>183</sup>	Horvat-Grubac	Yugoslavia	1959	Unclear	Unclear	Yes	No
Rio de Janeiro contacts <sup>179</sup>	Kritski	Brazil	1988	Yes	Unclear	Yes	No
Egypt contacts <sup>189</sup>	Mahmoud	Egypt		Yes	Unclear	Yes	Yes
Cape Town children <sup>190</sup>	Mahomed	South Africa	1999	Yes	Unclear	Yes	No
Bangkok contacts <sup>188</sup>	Padungchan	Thailand	1981	Yes	Unclear	Unclear	No
Lebanese children <sup>197</sup>	Sleiman	Lebanon	2004	Yes	Unclear	Yes	No
Togo contacts <sup>178</sup>	Tidjani	Togo		Yes	Unclear	Yes	No
Togo children <sup>177</sup>	Tidjani	Togo	1988	Yes	Yes	Yes	No
Irkutsk Russian <sup>192</sup>	Khadeeva	Russian Federation	2003	Yes	Unclear	Yes	No
Madrid students <sup>176</sup>	Zapatero-Dominguez	Spain	1969	Yes	Unclear	Yes	No

Study name	Author	Country	Was follow-up independent of vaccination status?	Was case ascertainment blinded to vaccination status?	Were losses to follow-up similar in each group?	Were methods of ascertainment of cases identical for vaccinated and unvaccinated groups?	Were data reported for all pre-specified subgroup analyses?	Were vaccination definitions the same for everyone in the study?	Was disease status blinded to BCG assessors?	Were control subjects selected from the same population as the cases?	Were cases and control subjects ascertained independent of vaccine status?
Cork girls school outbreak <sup>197</sup>	Bredin	Ireland				Yes	Yes				
Cork toddler outbreak <sup>198</sup>	Gaensbauer	Ireland					Yes	Yes	Unclear		Yes
Community I Canada outbreak <sup>200</sup>	Long	Canada					Yes	Yes	Unclear		Yes
Donegal school outbreak <sup>199</sup>	Shannon	Ireland				Yes	Yes				
Stockholm Dental School outbreak <sup>201</sup>	Bergqvist	Sweden						Yes			
Danish school outbreak <sup>203</sup>	Hyge	Denmark	Yes	Unclear	Yes			Yes	Unclear		Yes
Community C Canada outbreak <sup>200</sup>	Long	Canada	Yes	Yes	Yes						
Grade 7 students <sup>202</sup>	Hertzberg	Norway	Yes	Unclear	Years						