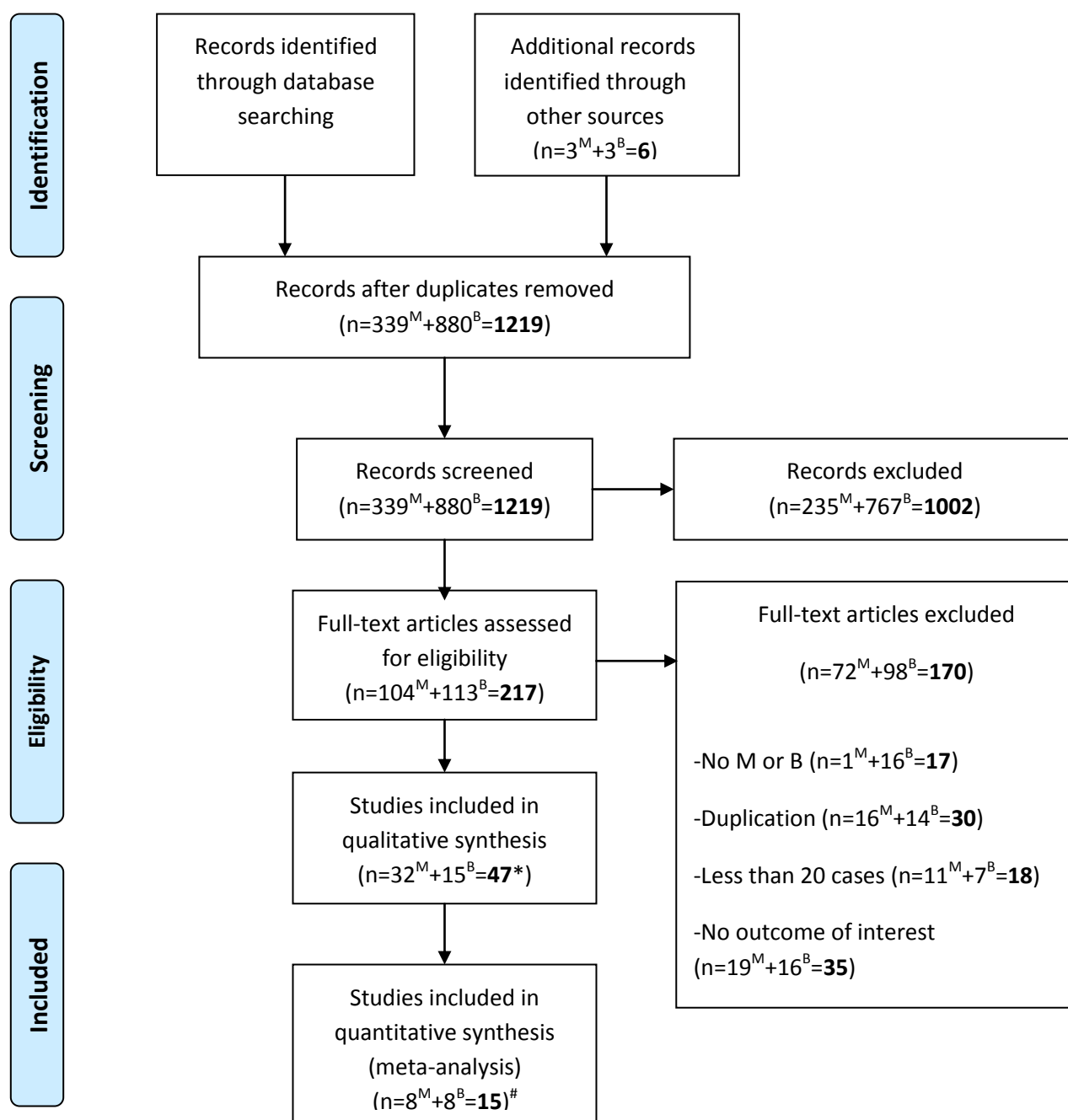


Supplemental Digital Content 3.1 Studies' Flow Diagram



M: Meningitis; **B:** Bacteremia due to No Pneumonia No Meningitis Invasive Disease

*39 studies ($24^M+8^{M-B}+7^B$) (Detailed in **Table 1**)

Supplemental Digital Content 3.2 Main characteristics and risk of bias of included studies

Focus	Reference	Country, City or Regions	Age (months)	Design, Sampling method	Summary Risk of Bias
M	Agudelo 2000 ⁽³⁴⁾	Colombia, Bogotá	0-59	Nationwide Surveillance, Non probabilistic	Moderate
M-	Asturias 2003 ⁽⁵⁵⁾	Guatemala, Guatemala City	0-50	Cross-sectional, Non probabilistic	Low
M-B	Augustovski 2009 ⁽⁶⁰⁾	Argentina	0-120	Economic Evaluation, Non probabilistic	Moderate
M	Berezin 2002 ⁽⁴²⁾	Brazil, São Paulo	0-6	Case series, Non probabilistic	Very High
M	Bricks 2006 ⁽⁴⁶⁾	Brazil, São Paulo	0-12	Surveillance, Census	Low
M	Camou 2003 ⁽⁴³⁾	Uruguay	0-24	Surveillance, Non probabilistic	Low
M	Constenla 2007 ⁽⁴⁸⁾	Brazil, Uruguay, Chile	0-59	Cost model, Non probabilistic	High
M	Côrtes 2002 ⁽³¹⁾	Brazil, Belo Horizonte	0-59	Surveillance, Opportunistic	Moderate
M	De la Hoz 2001 ⁽⁴⁴⁾	Colombia, Bogota	0-59	Cost model, Non probabilistic	Very High
M	Dickinson 2001 ⁽⁴⁰⁾	Cuba	0-12	Surveillance, Non probabilistic	Moderate
M	Dickinson 2005 ⁽⁵²⁾	Cuba	13-59	Nationwide Surveillance, Census	Low
M	Dueger 2008 ⁽⁴⁹⁾	Guatemala, Guatemala city	1-59	Cross-sectional, Non probabilistic	Moderate
M	Garcia 2006 ⁽³⁹⁾	Colombia	0-59	Surveillance, Opportunistic	Moderate
M-B	Giachetto Larraz 2010 ⁽⁵⁸⁾	Uruguay	0-912	Economic Evaluation, Non probabilistic	High
M-B	Giglio 2010 ⁽⁵⁹⁾	Argentina, Buenos Aires	0-59	Cost model, Non probabilistic	Moderate
M	Gomez 2000 ⁽³⁷⁾	Dominican Rep., Santo Domingo	0-59	Surveillance, Non probabilistic	Moderate
M	Ko 2000 ⁽⁵¹⁾	Brazil, Salvador	0-59	Active Surveillance, Non probabilistic	Moderate
M	Lagos 2002 ⁽³⁶⁾	Chile, Santiago de Chile	6-36	Active Surveillance, Opportunistic	Low
M-B	Lagos 2008 ⁽⁶¹⁾	Chile, Santiago	0-5	Surveillance, Non probabilistic	Moderate
M	Lovera 2005 ⁽³³⁾	Paraguay, Asunción	0-180	Cross-sectional, Non probabilistic	Moderate
M	Lucena 2005 ⁽⁴⁵⁾	Brazil, Bahia	0-24	Active Surveillance, Non probabilistic	Moderate
M-B	Mc Gregor 2004 ⁽⁵⁶⁾	Jamaica, Kingston St Andrews	0-108	Surveillance, Opportunistic	Moderate
M	Paniagua 2007 ⁽⁴¹⁾	Argentina, Misiones	0-12	Case series, Non probabilistic	Moderate
M	Reis 2002 ⁽³⁵⁾	Brazil, Salvador	0-59	Active Surveillance, census	Low
M	Rossoni 2008 ⁽⁵³⁾	Brazil, Parana	0-24	Active Surveillance, Opportunistic	Moderate
M	Simoes 2002 ⁽⁴⁷⁾	Brazil, Estado de Goias	2-59	Active Surveillance, Opportunistic	Moderate
M-B	Sinha 2008 ⁽⁵⁰⁾	10 LAC countries		Economic Evaluation, Non probabilistic	Low
M-B	Tregnaghi 2006 ⁽⁵⁴⁾	Argentina, Cordoba	2-23	Case series, Opportunistic	High
M	Trotman 2009 ⁽³⁸⁾	Jamaica, Kingston	0.5-59	Surveillance, Non probabilistic	Low
M-B	Ulloa-Gutierrez 2003 ⁽³⁰⁾	Costa Rica, San José	0-59	Active Surveillance, Opportunistic	Moderate
M	Vieira 2007 ⁽²⁾	Brazil	0-59	Cross-sectional, Non probabilistic	Moderate
M	Weiss 2001 ⁽²³⁾	Brazil	0-59	Cross-sectional, Census	Low
B	Abarca 2008 ⁽²⁶⁾	Chile	2-24	Surveillance, Non probabilistic	Moderate
B	Bakir 2001 ⁽²⁵⁾	Argentina, Buenos Aires	0-180	Case series, Non probabilistic	Moderate
B	Barra 2008 ⁽²⁴⁾	Chile, Santiago de Chile	1.5-36	Case series, Non probabilistic	Low
B	Castañeda 1997 ⁽³⁰⁾	Colombia, Bogota, Medellin, Cali	0-59	Surveillance, Non probabilistic	Moderate
B	Constenla 2008 ⁽²⁹⁾	Brazil, Uruguay, Chile	0-59	Economic Evaluation, Non probabilistic	Low
B	Lagos 2001 ⁽²⁸⁾	Chile, Santiago de Chile	0-59	Case series, Non probabilistic	Moderate
B	Vespa 2009 ⁽²⁷⁾	Brazil	0-59	Economic Evaluation, Non probabilistic	Moderate

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