

Paediatric hypertension in Nigeria (2000 - 2025): a systematic review and meta-analysis

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Content

Annex 1: detailed search strategy

Annex 2: assessment of quality of studies using the Newcastle-Ottawa scale adapted for cross sectional studies

Annex 1: detailed search strategy
Databases searched: MEDLINE (via PubMed), EBSCO (Global Health), African Journals Online (AJOL), Cochrane Library, and Google Scholar. Searches were limited to studies published between January 2000 and September 2025 and restricted to English-language publications where applicable.
MEDLINE (via PubMed)
("Hypertension"[MeSH] OR "high blood pressure" OR "elevated blood pressure") AND ("Child"[MeSH] OR "Adolescent"[MeSH] OR children OR adolescents OR paediatric OR pediatric) AND ("Nigeria" OR Nigerian)
EBSCO (Global Health)
(Hypertension OR "blood pressure" OR "elevated blood pressure") AND (children OR adolescents OR paediatric OR pediatric) AND (Nigeria OR Nigerian)
African Journals Online (AJOL)
"hypertension Nigeria children"
"blood pressure adolescents Nigeria"
Cochrane Library
Hypertension AND children AND Nigeria
Google Scholar
"hypertension in Nigerian children"
"blood pressure adolescents Nigeria prevalence"
For Google Scholar, the first 200 results sorted by relevance were screened. Additional search methods included manual screening of reference lists of included articles to identify further relevant studies.

Annex 2: assessment of quality of studies using the Newcastle-Ottawa scale adapted for cross sectional studies								
Study	Representati ve of population (1)	Samp le size (1)	Non respon se(1)	Ascertainme nt of tools (2)	Comparabil ity (2)	Assessment of outcome (2)	Statistic test (1)	Total
Ansa, odigwe and ekanem (2002)	0	0	1	1	2	2	1	7
Bugaje, yakubu and ogala (2005)	1	0	1	1	2	2	1	8
Asani and bode-thomas (2006)	1	0	1	1	2	2	1	8
Ogunkunle, odutola and orimadegun (2007)	1	0	1	1	2	2	1	8
Mijinyawa <i>et al.</i> (2008)	1	1	0	1	2	2	1	8
Odey <i>et al.</i> (2008)	1	1	1	1	2	2	1	9
Ansa <i>et al.</i> (2009)	1	0	1	1	2	2	1	8
Akor <i>et al.</i> (2010)	1	0	0	1	1	2	1	6
Ejike <i>et al.</i> (2010)	0	0	0	2	0	2	1	5
Oduwole <i>et al.</i> (2012)	0	0	0	2	1	2	1	6
Okoh <i>et al.</i> (2012)	1	1	0	1	2	2	1	8
Oyewole <i>et al.</i> (2012)	0	0	0	1	1	2	1	5
Senbanjo <i>et al.</i> (2012)	1	0	1	1	2	2	1	8
Ogboye (2013)	1	1	0	1	2	2	1	8
Owoeye <i>et al.</i> (2013)	0	0	0	1	2	2	1	6
Ujunwa <i>et al.</i> (2013)	1	0	0	2	1	2	1	7
Odetunde <i>et al.</i> (2014)	1	0	0	2	0	2	1	6
Sadoh <i>et al.</i> (2014)	1	0	0	2	1	2	1	7
Chuemere <i>et al.</i> (2015)	1	0	0	2	2	1	1	7
Jaja <i>et al.</i> (2015)	1	0	0	2	0	2	1	6
Odunaiya <i>et al.</i> (2015)	1	1	0	1	2	2	1	8
Okagua <i>et al.</i> (2015)	1	0	0	2	1	2	1	7
Omisore <i>et al.</i> (2015)	1	0	0	1	2	2	1	7
Oyeyemi <i>et al.</i> (2015)	1	1	0	1	2	2	1	8
Ajite <i>et al.</i> (2016)	1	0	0	2	2	2	1	8
Ladapo <i>et al.</i> (2016)	1	0	0	2	2	2	1	8
Sadoh <i>et al.</i> (2016)	1	1	1	1	2	1	1	8
Uwaezoke <i>et al.</i> (2016)	1	1	0	2	2	2	1	9



Adams <i>et al.</i> (2017)	1	1	0	1	1	2	1	7
Okpokowuruk <i>et al.</i> (2017)	1	1	0	1	2	2	1	8
Sadoh <i>et al.</i> (2017)	1	1	1	1	2	1	1	8
Ezeudu <i>et al.</i> (2018)	1	1	1	1	2	1	1	8
Ibrahim <i>et al.</i> (2019)	1	0	0	1	2	2	1	7
Ajaegbu <i>et al.</i> (2020)	1	1	0	1	2	2	1	8
Musa <i>et al.</i> (2020)	1	1	0	1	2	2	1	8
Akintayo-usman <i>et al.</i> (2021)	1	1	1	2	1	2	1	9
Alabi <i>et al.</i> (2021)	1	1	0	1	2	2	1	8
Musa <i>et al.</i> (2022)	1	1	0	1	2	2	1	8
Afolabi <i>et al.</i> (2023)	1	1	1	2	2	1	1	9
Ajayi <i>et al.</i> (2023)	1	0	0	1	2	2	1	7
Musa <i>et al.</i> (2023)	1	0	1	1	2	2	1	8
Papka <i>et al.</i> (2024)	1	1	0	1	2	2	1	8
Umuerrri <i>et al.</i> (2024)	1	0	0	1	2	2	1	7
Ineji <i>et al.</i> (2024)	1	0	0	1	2	2	1	7
Hassan <i>et al.</i> (2024)	1	0	0	1	2	2	1	7
Enuagwuna <i>et al.</i> (2024)	1	0	1	1	2	2	1	8
Ani <i>et al.</i> (2025)	1	0	0	1	2	2	1	7
Otubo <i>et al.</i> (2025)	1	0	1	1	2	2	1	8
Aliu <i>et al.</i> (2025)	1	0	1	1	2	2	1	8
Okpebholo <i>et al.</i> (2025)	0	0	0	0	2	2	1	5