

Supplementary File Table 3: Search strategy records and update date

Database	Strategy	Records May 2024	Update August 2024	Update March 2025
PubMed	Search: (((((((((Asthma[MeSH Terms] AND (y_10[Filter])) OR (Hyperreactivity*[Text Word] AND (y_10[Filter])) OR (Bronchial*[Text Word] AND (y_10[Filter])) OR (Hypersensitivity*[Text Word] AND (y_10[Filter])) OR (Allerg*[Text Word] AND (y_10[Filter])) OR (Childhood Asthma[Text Word] AND (y_10[Filter])) OR (Pediatric* Asthma[Text Word] AND (y_10[Filter])) OR (Paediatric* Asthma[Text Word] AND (y_10[Filter])) AND (y_10[Filter])) AND (((((((((Factor* AND (y_10[Filter])) OR (Interlink* AND (y_10[Filter])) OR (Associate* factor* AND (y_10[Filter])) OR (Determinant* AND (y_10[Filter])) OR (Contributors* AND (y_10[Filter])) OR (Correlate* AND (y_10[Filter])) OR (Interaction* AND (y_10[Filter])) OR (Effect* AND (y_10[Filter])) OR (Relationship* AND (y_10[Filter])) OR (Influence* AND (y_10[Filter])) AND (y_10[Filter])) AND (((((((Child*[MeSH Terms] AND (y_10[Filter])) OR (Infant*[MeSH Terms] AND (y_10[Filter])) OR (Adolescent*[MeSH Terms] AND (y_10[Filter])) OR (Young Adult*[MeSH Terms] AND (y_10[Filter])) OR (Neonat*[MeSH Terms] AND (y_10[Filter])) OR (Pediatric*[MeSH Terms] AND (y_10[Filter])) AND (y_10[Filter])) AND (((((((((((Burundi[MeSH Terms] AND (y_10[Filter])) OR (Comoros[MeSH Terms] AND (y_10[Filter])) OR (Djibouti[MeSH Terms] AND (y_10[Filter])) OR (Eritrea[MeSH Terms] AND (y_10[Filter])) OR (Ethiopia[MeSH Terms] AND (y_10[Filter])) OR (Kenya[MeSH Terms] AND (y_10[Filter])) OR (Madagascar[MeSH Terms] AND (y_10[Filter])) OR (Malawi[MeSH Terms] AND (y_10[Filter])) OR (Mauritius[MeSH Terms] AND (y_10[Filter])) OR (Mozambique[MeSH Terms] AND (y_10[Filter])) OR (Rwanda[MeSH Terms] AND (y_10[Filter])) OR (Seychelles[MeSH Terms] AND (y_10[Filter])) OR (Somalia[MeSH Terms] AND (y_10[Filter])) OR (South Sudan[MeSH Terms] AND (y_10[Filter])) OR (Tanzania[MeSH Terms] AND (y_10[Filter])) OR (Uganda[MeSH Terms] AND (y_10[Filter])) OR (Zambia[MeSH Terms] AND (y_10[Filter])) OR (Zimbabwe[MeSH Terms] AND (y_10[Filter])) Filters	96	101	101
Scopus	"((Childhood Asthma OR Pediatric Asthma OR Respiratory Infections OR Wheeze) AND (Association Factor OR Interlinked Factors OR Risk Factors OR Relationship) AND (Infants OR Children OR Preschool OR Adolescents) AND (East Africa OR Burundi OR Comoros OR Djibouti OR Eritrea OR Ethiopia OR Kenya OR Madagascar OR Malawi OR Mauritius OR Mozambique OR Rwanda OR Seychelles OR Somalia OR South Sudan OR Tanzania OR Uganda OR Zambia OR Zimbabwe))."	389	394	398
Web of Science	TS= (((((Asthma OR Hyperreactivity* OR Bronchial OR Hypersensitivity* OR Allerg* OR Childhood Asthma OR Pediatric* Asthma* OR Paediatric Asthma*) AND (Factor* OR Interlink* OR Associate* factor* OR Determinant* OR Contributors* OR Correlate* OR Interaction* OR Effect* OR Relationship* OR Influence*) AND (Child* OR Infant* OR Adolescent* OR Young Adult* OR Neonat* OR Pediatric*) AND (Burundi OR Comoros OR Djibouti OR Eritrea OR Ethiopia OR Kenya OR Madagascar OR Malawi OR Mauritius OR Mozambique OR Rwanda OR Seychelles OR Somalia OR South Sudan OR Tanzania OR Uganda OR Zambia OR Zimbabwe))))	184	187	189
Embase Ovid	Asthma OR Hyperreactivity* OR Bronchial OR Hypersensitivity* OR Allerg* OR Childhood Asthma OR Pediatric* Asthma* OR Paediatric Asthma*) AND (Factor* OR Interlink* OR Associate* factor* OR Determinant* OR Contributors* OR Correlate* OR Interaction* OR Effect* OR Relationship* OR Influence*) AND (Child* OR Infant* OR Adolescent* OR Young Adult* OR Neonat* OR Pediatric*) AND (Burundi OR Comoros OR Djibouti OR Eritrea OR Ethiopia OR Kenya OR Madagascar OR Malawi OR Mauritius OR Mozambique OR Rwanda OR Seychelles OR Somalia OR South Sudan OR Tanzania OR Uganda OR Zambia OR Zimbabwe	317	328	328
CINAHL (EBSCO)	Asthma OR Hyperreactivity* OR Bronchial OR Hypersensitivity* OR Allerg* OR Childhood Asthma OR Pediatric* Asthma* OR Paediatric Asthma*) AND (Factor* OR Interlink* OR Associate* factor* OR Determinant* OR Contributors* OR Correlate* OR Interaction* OR Effect* OR Relationship* OR Influence*) AND (Child* OR Infant* OR Adolescent* OR Young Adult* OR Neonat* OR Pediatric*) AND (Burundi OR Comoros OR Djibouti OR Eritrea OR Ethiopia OR Kenya OR Madagascar OR Malawi OR Mauritius OR Mozambique OR Rwanda OR Seychelles OR Somalia OR South Sudan OR Tanzania OR Uganda OR Zambia OR Zimbabwe	196	198	198

Notes: Duplicates were identified using the Zotero automated "find duplicates" function with preference set to match on title, author, and year, and removed from your Zotero library. Total records before removing duplicates = 1,214; total records after removing duplicates via Zotero =429