

Supplementary Appendix

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Table 1: Search strategy

Data base	Search strategy
EMBASE	(Echo OR echocardiography OR echocardiographic OR Echocardiogram) AND (Familial OR Family OR Household OR relatives OR Genetic OR community) AND Rheumatic
PubMed	(Echo OR echocardiography OR echocardiographic OR Echocardiogram) AND (Familial OR Family OR Household OR relatives OR Genetic OR community) AND Rheumatic
Cochrane	(Echo OR echocardiography OR echocardiographic OR Echocardiogram) AND (Familial OR Family OR Household OR relatives OR Genetic OR community) AND Rheumatic
Lilacs	(Echo OR echocardiography OR echocardiographic OR Echocardiogram) AND (Familial OR Family OR Household OR relatives OR Genetic OR community) AND Rheumatic

Table 2: Full text reading excluded studies.

Study	Exclusion criteria
Franco, 2021 ¹	Conference abstract
Nascimento, 2021 ²	
Ghamrawy, 2019 ³	
Culliford-Semmens, 2018 ⁴	
Webb, 2017 ⁵	
Webb, 2016 ⁶	
Aliku, 2015 ⁷	
Huang, 2015 ⁸	
Francis, 2019 ⁹	No first-degree relative screening
Scheel, 2019 ¹⁰	
Ba-Saddik, 2011 ¹¹	
Rizvi, 2004 ¹²	
Veasy, 1987 ¹³	
Sriharibabu, 2013 ¹⁴	
Abdel-Moula, 1998 ¹⁵	
Paar, 2010 ¹⁶	Retrospective study
Sptzer, 2015 ¹⁷	
Ravisha, 2003 ¹⁸	
Vinker, 2010 ¹⁹	Survey by phone call
Perelini, 2015 ²⁰	

Table 3: Risk of Bias by Hoy et al. ²¹

Study	Criteria 1	Criteria 2	Criteria 3	Criteria 4	Criteria 5	Criteria 6	Criteria 7	Criteria 8	Criteria 9	Criteria 10	Risk of Bias
Aliku, 2016	1	1	1	0	1	1	1	1	1	1	Low
Culliford-Semmens, 2021	1	1	1	0	1	1	1	1	0	1	Low
Franco, 2022	1	1	1	0	1	1	1	1	1	1	Low
Gemechu, 2021	1	1	1	0	1	1	1	1	1	1	Low

Figure 1: Comparison between relative > 20y with the region population for the RHD incidence.

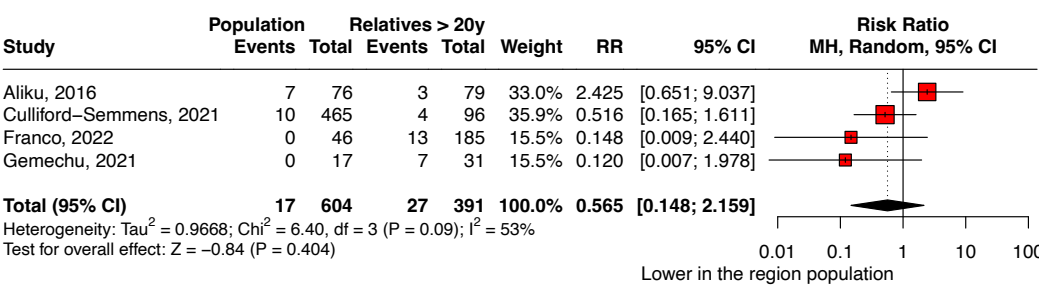
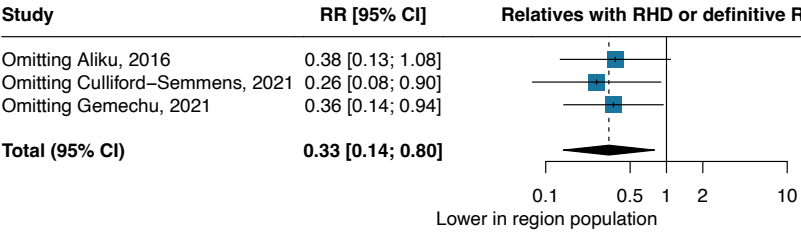


Figure 2: Leave-one-out for the Definite RHD analysis



Reference:

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