

**Supplementary file 4: Newcastle Ottawa (NOS) critical appraisal evaluation for Cross-sectional studies**

S.no	Author, Year of publication	Representativeness of the sample	Sample size	Non-respondent	Ascertainment of the exposure (risk factor)	Comparability (Confounding factors are controlled)	Assessment of outcome	Statistical Analysis	Total score
1	Bedaso A. et al [43]	1	1	0	2	1	2	1	8
2	Takele G.et al [44]	1	1	0	2	1	1	1	7
3	Woldegerima YB. et al [15]	1	1	1	2	1	1	1	7
4	Mulugeta H. et al [16]	1	1	1	2	1	2	1	9
5	Adesanmi A. et al [30]	0	1	0	2	0	2	1	6
6	Nigussie S. et al [5]	1	1	0	1	1	2	1	7
7	Ebirim L., Tobin, M [49]	1	0	0	2	1	1	1	6
8	Srahbzu M. et al [45]	1	1	0	2	1	1	1	7
9	Ryamukuru, David [46]	1	1	0	1	1	1	1	6
10	Mellouli et al [47]	1	1	0	1	1	1	1	6
11	Dagona, Sabo Saleh [48]	1	1	0	1	1	1	1	6
12	Mthias AT et al [50]	1	1	0	2	1	2	1	8
13	Carneiro AF et al [51]	1	1	0	2	1	2	1	8
14	Ramesh C et al [52]	1	1	1	2	1	2	1	9
15	Gonçalves et al [53]	1	1	0	2	1	1	1	7
16	Maria Luiza MA et al [54]	1	1	0	2	1	2	1	8
17	Caumo W et al [55]	1	1	0	2	1	2	1	8
18	Jafar MF et al [22]	1	1	0	2	1	1	1	7
19	Maheshwari D, Ismail S [7]	1	1	0	2	1	2	1	8
20	Ali A et al [56]	1	1	1	2	1	2	1	9
21	Ayman M Y et al [57]	1	1	0	2	1	2	1	8
22	Tajgna K et al [58]	1	1	1	2	1	2	1	9
23	Le Xu et al [59]	1	1	1	2	1	2	1	9
24	Sntos LJF et al [60]	1	1	0	2	1	2	1	8
25	Khalili et al [61]	1	1	0	2	1	1	1	7
26	Arshi et al [62]	1	1	0	1	1	1	1	6
27	Bansal T et al [62]	1	1	0	2	1	1	1	7

**NB:** NOS score  $\geq 8$  (High quality), 6-7 (moderate quality), and  $\leq 5$  (low quality)