

Quality Assessment of included Studies by Newcastle-Ottawa Scale (NOS).

Table 1: Quality assessment of

I. Cohort Studies

	Selection				Comparability	Outcome			Score
Authors	Representativeness of the exposed cohort	Selection of the non-exposed cohort	Ascertainment of exposure	Demonstration that outcome of interest was not present at start of study	Comparability of cohorts on the basis of the design or analysis	Assessment of outcome	Was follow-up long enough for outcomes to occur	Adequacy of follow up of cohorts	
Asebe et al	★	★	★	☆	★★	★	★	★	8
Balcha T et al	★	★	★	★	★★	★	☆	☆	7
Belayneh et al	★	★	★	☆	★☆	★	★	☆	6
Birlie et a	★	★	★	☆	★★	★	★	★	8
Ejeta et al	★	★	★	★	★★	★	★	☆	8
Gebreegziabher S et al	★	★	★	★	★☆	★	★	☆	7
Gebremariam et al.	★	★	★	☆	★★	★	★	★	8
Getahun et al.	★	★	★	☆	★☆	★	★	★	7
Hamusse et al.	★	★	★	★	★★	★	★	★	9
Ketema et al	★	★	★	☆	★★	★	★	★	8
Tilahun et al	★	★	★	☆	★★	★	★	★	8
Workneh et al	★	★	★	★	★★	★	★	☆	8

--

II. a case-control study

	Selection				Comparability	Exposure			
	Case definition Adequate?	Representativeness of the cases	Selection of controls	Definition of controls	Based on design and analysis	Ascertainment of exposure	Same method for cases and controls	Non- response rate	
Amante et al.	★	★	☆	★	★★	★	★	☆	7

III. Cross-sectional Studies

Authors	Selection				Comparability	Outcome		Score
	Representativeness of the sample	Sample size	Nonrespondents	Ascertainment of exposure	Based on design and analysis	Assessment of outcome	Statistical test	
Ali et al.	★		★	★	★★	★	★	7
Amante et al.	★			★	★★	★	★	6
Asres et al.	★	★		★		★	★	5
Belayneh et al(2015)	★		★	★	★★	★	★	7
Berhe et al.	★			★	★★	★	★	6
Dangisso et al	★	★	★	★	★★	★	★	8
Endris et al	★			★	★	★	★	5
Gebrezgabiher et al	★		★	★	★	★	★	6
Hailu et al	★	★		★	★	★	★	6
Mekonnen et al	★			★	★★	★	★	6
Melese et al	★	★	★	★	★★	★	★	8
Moges et al	★	★	★	★	★★	★	★	8
Mokenen D. etal	★	★	★	★	★★	★	★	8
Munˆoz-Sellart et al.(2009)	★			★	★	★	★	5
Muˆnoz-Sellart et al	★	★		★	★	★	★	6

Shargie et al	★	★		★	★★	★	★	7
Sinshaw et al	★	★	★	★	★★	★	★	8
Tefera et al	★	★	★	★	★★	★	★	8
Tesfahuneygn et al.	★	★		★	★★	★	★	7
Tessema et al	★			★	★	★	★	5
Zenebe T et al	★	★		★		★	★	5
Zenebe Y et al	★	★		★	★★	★	★	7