	able S1: Risk of Bias assessment Tool of Eligible Articles by using the Hoy 2012 tool]	
NO	Study ID	Representa tion	Sampling	Random selection	Non response bias	Data collection	Case Definition	Reliability and validity of study tool	Method of data collection	Prevalence period	Numerator and denominator	Summary Assessment	
1	A. Kassu et al	High risk	High risk	Not clear	Low risk	Low risk	Low risk	High risk	Low risk	low risk	Low risk	High risk	
2	D. Elias et al	Low risk	Low risk	Low risk	High risk	Low risk	Low risk	Low risk	Low risk	Low risk	Low risk	Low risk	
3	J.M. Ramos et al	High risk	High risk	High risk	High risk	Low risk	Low risk	High risk	Low risk	Low risk	Low risk	Medium risk	
4	Afework, et al	Low risk	Low risk	Not clear	Low risk	High risk	Low risk	High risk	Low risk	Low risk	Low risk	High risk	
5	Mohammed T. et al	Low risk	Low risk	Low risk	Low risk	Low risk	Low risk	Low risk	Low risk	Low risk	Low risk	Low risk	
6	Abate et al	High risk	Low risk	High risk	Low risk	Low risk	Low risk	Low risk	Low risk	Low risk	Low risk	Medium risk	
7	Alemayehu et al	Low risk	Low risk	Low risk	Low risk	Low risk	Low risk	Low risk	Low risk	medium risk	Low risk	Low risk	
8	Abate et al	Low risk	Low risk	Low risk	Low risk	Low risk	Low risk	Low risk	Low risk	Low risk	Low risk	Low risk	
9	Hailu et al	High risk	High risk	Low risk	Low risk	Low risk	Low risk	Low risk	Low risk	Low risk	Low risk	Low risk	
10	Alemu and Mama	Low risk	Low risk	Low risk	Low risk	Low risk	Low risk	Low risk	Low risk	Low risk	Low risk	Low risk	
11	Alemu et al	High risk	Low risk	Low risk	Low risk	Low risk	High risk	Low risk	Low risk	Low risk	Low risk	Low risk	
12	Tegegne et al	Low risk	Low risk	Low risk	High risk	Low risk	Low risk	High risk	Low risk	Low risk	Low risk	High risk	
22	Risk of bias assessment									<u> </u>			
23	. Representation: Was the study population a close representation of the national population?												
24	. Sampling: Was the sampling frame a true or close representation of the target population?												
25	. Random selection: Was some form of random selection used to select the sample OR was a census undertaken?												
26	. Non-response bias: Was the likelihood of non-response bias minimal?												
27		Data collection: Were data collected directly from the subjects?											
28	Case definition: Was an acc	Case definition: Was an acceptable case definition used in the study?											
29	7. Reliability and validity of s	Reliability and validity of study tool: Was the study instrument that measured the parameter of interest show to have reliability and validity?											
30	8. Data collection: Was the sa	Data collection: Was the same mode of data collection used for all subjects?											

- 30 8. Data collection: Was the same mode of data collection used for all subjects?
 31 9. Prevalence period: Was the length of the prevalence period for the parameter of interest appropriate?
 10. Numerators and denominators: Were the numerator(s) and denominator(s) for the parameter of interest appropriate?

The overall risk of bias scored based on the number of high risk of bias per study: low risk (\leq 2), moderate risk (3-4), and high risk (\geq 5).