## Supplementary file 4: The quality status of studies based on JBI critical appraisal checklist for studies reporting prevalence data

| Studies                  | Appropriate sampling frame? | Appropriate sampling? | Adequate sample size? | Detail setting description? | Analysis with sufficient coverage? | Valid method to identify the condition? | Reliable measurement? | Appropriate statistical analysis? | Adequate response rate? | Total, out of 9 |
|--------------------------|-----------------------------|-----------------------|-----------------------|-----------------------------|-----------------------------------|----------------------------------------|----------------------|----------------------------------|----------------------|-----------------|
| Gedefaw et al.           | N/A                         | UC                   | Yes                   | Yes                         | Yes                               | Yes                                    | Yes                  | Yes                              | N/A                  | 8               |
| Nasri et al.             | Yes                         | N/A                  | Yes                   | UC                          | Yes                               | UC                                     | Yes                  | N/A                             | 6                    |
| Anyanwu et al.           | N/A                         | Yes                  | Yes                   | UC                          | Yes                               | UC                                     | Yes                  | N/A                             | 6                    |
| Houchar et al.           | Yes                         | N/A                  | Yes                   | No                          | Yes                               | No                                     | No                   | Yes                             | N/A                  | 6               |
| Abebe et al.             | Yes                         | N/A                  | Yes                   | Yes                         | Yes                               | No                                     | No                   | UC                              | Yes                  | 7               |
| Nnadi et al.             | N/A                         | N/A                  | Yes                   | Yes                         | Yes                               | Yes                                    | Yes                  | UC                              | Yes                  | 8               |
| Abbey et al.             | Yes                         | N/A                  | Yes                   | UC                          | Yes                               | Yes                                    | Yes                  | Yes                             | N/A                  | 8               |
| Ahuka et al.             | Yes                         | N/A                  | Yes                   | Yes                         | Yes                               | Yes                                    | Yes                  | UC                              | UC                  | 7               |
| Omer et al.              | N/A                         | N/A                  | Yes                   | Yes                         | Yes                               | UC                                     | UC                   | Yes                             | N/A                  | 7               |
| Airede et al.            | N/A                         | N/A                  | Yes                   | Yes                         | Yes                               | Yes                                    | Yes                  | No                              | N/A                  | 6               |
| Mohammed et al.          | N/A                         | N/A                  | Yes                   | UC                          | Yes                               | Yes                                    | Yes                  | N/A                             | 7                    |
| Njamnshi et al.          | Yes                         | N/A                  | Yes                   | Yes                         | Yes                               | Yes                                    | Yes                  | No                              | N/A                  | 6               |
| Delport et al.           | Yes                         | N/A                  | Yes                   | UC                          | Yes                               | Yes                                    | Yes                  | Yes                             | N/A                  | 8               |
| Venter et al.            | N/A                         | N/A                  | Yes                   | Yes                         | Yes                               | Yes                                    | Yes                  | UC                              | N/A                  | 8               |
| Buccimazza et al.        | Yes                         | N/A                  | Yes                   | Yes                         | Yes                               | Yes                                    | Yes                  | No                              | UC                  | 6               |
| Kinasha et al.           | Yes                         | N/A                  | No                    | Yes                         | Yes                               | UC                                     | No                   | UC                              | N/A                  | 5               |
| Elsheikh et al.          | N/A                         | N/A                  | Yes                   | No                          | UC                               | Yes                                    | Yes                  | UC                              | N/A                  | 5               |
| Alhassan et al.          | Yes                         | N/A                  | Yes                   | Yes                         | Yes                               | Yes                                    | Yes                  | UC                              | N/A                  | 7               |
| Adetiloye et al.         | UC                          | UC                   | Yes                   | No                           | Yes                               | UC                                     | Yes                  | Yes                             | N/A                  | 4               |
| Ugwo et al.              | UC                          | N/A                  | Yes                   | No                           | Yes                               | UC                                     | Yes                  | Yes                             | N/A                  | 5               |
| George et al.            | Yes                         | No                   | Yes                   | UC                          | Yes                               | Yes                                    | Yes                  | N/A                             | 6                    |
| Ekwochi et al.           | N/A                         | N/A                  | Yes                   | Yes                         | Yes                               | Yes                                    | UC                   | Yes                             | N/A                  | 7               |
| El-Mograbi et al.        | UC                          | N/A                  | Yes                   | No                           | Yes                               | Yes                                    | Yes                  | Yes                             | N/A                  | 6               |
| Kishimba et al.          | Yes                         | N/A                  | Yes                   | Yes                         | Yes                               | Yes                                    | Yes                  | Yes                             | N/A                  | 9               |
| Muga et al.              | N/A                         | N/A                  | Yes                   | UC                          | Yes                               | Yes                                    | Yes                  | Yes                             | N/A                  | 7               |
| Study                 | Sampling Method | Response Rate | Sample Size | Study Design |
|----------------------|-----------------|---------------|-------------|--------------|
| Mukhtar-Yola et al.  | Yes             | N/A           | UC          | Yes          |
| Radouani et al.      | Yes             | N/A           | UC          | Yes          |

Key: UC: Unclear, N/A: Not Applicable. N/A for appropriate sampling means the study included all participants rather than sampling methods; N/A for adequate response rate means the study considered all recorded cases from all participants, so it is adequate; UC means it may be considered but not explicitly stated in the manuscript. For adequate sample size, as all participants included in the study during the study period, we considered an adequate sample size even if they did not calculate sample size (it is a total coverage).