SARS-CoV-2 Prevalence in Malawi Based on Survey of Communities and Health Workers in 5 High-Burden Districts, October 2020

Appendix

Appendix Table 1. Total population and cumulative number of SARS-CoV-2 infections per 100,000 population in Malawi and in the 5 districts

| District     | NSO 2020 population projection | Cumulative confirmed SARS-CoV-2 infections (as of 2020 Oct 14) * | Cumulative no. confirmed infections per 100,000 |
|--------------|--------------------------------|---------------------------------------------------------------|---------------------------------------------|
| Blantyre     | 1,304,357                       | 1,976                                                         | 151                                         |
| Lilongwe     | 2,770,840                       | 1,353                                                         | 49                                          |
| Karonga      | 380,608                         | 82                                                            | 22                                          |
| Mangochi     | 1,224,716                       | 149                                                           | 12                                          |
| Mzimba North | 560,129                         | 566                                                           | 101                                         |
| National total | 18,449,828                      | 5,829                                                         | 30                                          |

Extracted from Malawi Daily COVID-19 Situation Report for October 14, 2020

*NSO, National Statistics Office

Appendix Table 2. Details of the number of health facilities sampled by district and urban/rural stratification and target sample size per facility

| District     | Urban No. facilities | Urban No. participants per facility | Urban No. facilities | Urban Participants per facility | Rural No. facilities | Rural Participants per facility | Total participants |
|--------------|----------------------|------------------------------------|----------------------|---------------------------------|----------------------|---------------------------------|-------------------|
| Blantyre     | 5                    | 68                                 | 3                    | 20                              | 20                   | 400                             | 400               |
| Lilongwe     | 5                    | 68                                 | 3                    | 20                              | 20                   | 400                             | 400               |
| Mzuzu        | 5                    | 68                                 | 3                    | 20                              | 20                   | 400                             | 400               |
| Mangochi     | 1*                   | 60                                 | 7                    | 20                              | 20                   | 200                             | 200               |
| Karonga      | 1*                   | 60                                 | 7                    | 20                              | 20                   | 200                             | 200               |
| Total        | 17                   | 1,140                              | 23                   | 460                             | 1,600                |                                 |                   |

*Karonga and Mangochi included health facility staff from the district hospital

Appendix Table 3. Health facility staff cadres and weighted proportions

| Health facility staff cadre                                          | No. | Weighted seroprevalence (95% CI) |
|---------------------------------------------------------------------|-----|----------------------------------|
| Nurses                                                              | 216 | 9.5 (3.1–25.1)                   |
| Doctor                                                              | 9   | 3.9 (0.02–90.5)                  |
| Clinical officer                                                   | 45  | 32.8 (9.9–68.5)                  |
| Medical assistant                                                  | 23  | 0.8 (0.10–8.6)                   |
| Environmental health officers                                      | 9   | 3.2 (0.03–77.5)                  |
| Health surveillance assistants, including community health worker and mobilizers | 179 | 7.3 (3.8–13.6) |
| Laboratory staff                                                   | 29  | 16.5 (4.7–44.1)                  |
| Pharmacists                                                        | 6   | 28.1 (0.10–99.4)                 |
| Pharmacy technicians                                               | 10  | 7.2 (0.2–72.3)                   |
| Data entry staff                                                   | 39  | 8.2 (2.1–27.1)                   |
| Cleaner                                                            | 154 | 3.5 (1.4–8.6)                    |
| Hospital attendant/case care worker or patient attendant            | 93  | 12.3 (6.2–22.7)                  |
| Expert HIV client volunteer                                        | 29  | 32.6 (12.3–62.4)                 |
| HIV testers/counselors (includes HIV diagnostic assistants)         | 51  | 4.6 (1.1–17.6)                   |
| Security officer/guard/grounds labor/maintenance                    | 45  | 1.6 (0.3–8.7)                    |
| Other                                                              | 63  | 9.6 (2.3–31.9)                   |