**Supporting Information**

**Table 2**: Summary and grading of the sources of information on the four key steps in the HIV continua of care for 29 countries, which do not have estimates on viral suppression.

**KEY**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **COLOUR** | **Estimated PLHIV** | **PLHIV Diagnosed** | **PLHIV on ART** | **PLHIV with Viral Suppression** |
| High quality | * National estimates\* * UNAIDS estimate (Spectrum)\* * Survey or surveillance data | – National program data  – National cohort data | – National program data  – National cohort data | Individual viral load data for everyone on ART from program database; surveys of patient cohort representative of everyone on ART; nationally-representative population surveys |
| Medium quality | Estimates based on sub-national/sub-population data | Estimates based on surveillance estimates and/or diagnosis in select sub-population | ART coverage estimated using sub-population cohort or surveillance | Estimates based on sub-sample of those on ART or surveillance/ surveys |
| Low quality | - Estimates based on modeling studies  - Numerator is unavailable | Estimates derived from non-representative selection of clinics and/or hospitals | Coverage based on non-representative selection of clinics and/or hospitals | Estimates from non-representative selection of clinics and/or hospitals |
|  | Source and quality unknown | | | |

PLHIV – people living with HIV

| **COUNTRY** | **SOURCE** | **ESTIMATED PEOPLE LIVING WITH HIV** | **PEOPLE LIVNG WITH DIAGNOSED HIV** | **PEOPLE RECEIVING ART** | **PEOPLE ON ART WITH SUPPRESSED VIRAL LOAD** |
| --- | --- | --- | --- | --- | --- |
| Angola1 | PEPFAR Country Operational Plan | UNAIDS estimate | Numerator is unavailable | National AIDS Institute (INLS) program data | Numerator is unavailable |
| Antigua and Barbuda2 | Newspaper article | Numerator is unavailable | National program data | National program data | Numerator is unavailable |
| Bahamas3 | PEPFAR Regional Operational Plan | UNAIDS estimate | Numerator is unavailable | Source and quality unknown | Numerator is unavailable |
| Bangladesh4 | WHO Country Fact Sheets | UNAIDS estimate | Estimated using cumulative number of people diagnosed with HIV | National programme data (from Global AIDS response progress reporting) | Numerator is unavailable |
| Barbados3 | PEPFAR Regional Operational Plan | Surveillance data | Numerator is unavailable | Source and quality unknown | Numerator is unavailable |
| Bhutan5 | UNAIDS country progress report | UNAIDS estimate | National program PLHIV database | National program PLHIV database | Numerator is unavailable |
| Botswana6 | PEPFAR Country Operational Plan | UNAIDS estimate | Numerator is unavailable | Source and quality unknown | Numerator is unavailable |
| Burundi7 | PEPFAR Country Operational Plan | UNAIDS estimate | Numerator is unavailable | National AIDS Council (CNLS) program data | Numerator is unavailable |
| Cameroon8 | PEPFAR Country Operational Plan | UNAIDS estimate | Numerator is unavailable | Source and quality unknown | Numerator is unavailable |
| Cote d’Ivoire9 | PEPFAR Country Operational Plan | UNAIDS estimate | Numerator is unavailable | PEPFAR Cote d'Ivoire program data | Numerator is unavailable |
| Dominican Republic10 | PEPFAR Country Operational Plan | UNAIDS estimate | Numerator is unavailable | HIV patient monitoring system | Numerator is unavailable |
| Egypt11 | UNAIDS country progress report | UNAIDS estimate | HIV case detection | Source and quality unknown | Numerator is unavailable |
| Ethiopia12 | PEPFAR Country Operational Plan | HIV-related estimates and projections for Ethiopia–Federal Ministry of Health | Numerator is unavailable | Source and quality unknown | Numerator is unavailable |
| Ghana13 | PEPFAR Country Operational Plan | UNAIDS estimate | Numerator is unavailable | National AIDS Control Programme (NACP) Service Data | Numerator is unavailable |
| Haiti14 | PEPFAR Country Operational Plan | Small Area Estimates, Office of Global AIDS Coordinator 2015 | Numerator is unavailable | National program data | Numerator is unavailable |
| India4 | WHO Country Fact Sheets | UNAIDS estimate | Estimated using cumulative number of people diagnosed with HIV | National programme data (from Global AIDS response progress reporting) | Numerator is unavailable |
| Indonesia15 | PEPFAR Country Operational Plan | UNAIDS estimate | Numerator is unavailable | Ministry of Health data | Numerator is unavailable |
| Lesotho16 | PEPFAR Country Operational Plan | UNAIDS estimate | Numerator is unavailable | National program data (from Global AIDS response progress reporting) | Numerator is unavailable |
| Morocco17 | UNAIDS country progress report | Data not available | Source and quality unknown | Source and quality unknown | Numerator is unavailable |
| Mozambique18 | PEPFAR Country Operational Plan | UNAIDS estimate | Numerator is unavailable | National program data | Numerator is unavailable |
| Nigeria19 | PEPFAR Country Operational Plan | Estimate based on PEPFAR Datapack | Numerator is unavailable | National program data (from Global AIDS response progress reporting) | Numerator is unavailable |
| Papua New Guinea20 | PEPFAR Country Operational Plan | UNAIDS estimate | Numerator is unavailable | National program data (from Global AIDS response progress reporting) | Numerator is unavailable |
| Somalia21 | UNAIDS country progress report | UNAIDS estimate | Program data from 3 Somali zones | Program data | Numerator is unavailable |
| South Sudan22 | PEPFAR Country Operational Plan | UNAIDS estimate | Numerator is unavailable | National program data | Numerator is unavailable |
| Tanzania23 | PEPFAR Country Operational Plan | UNAIDS estimate | Numerator is unavailable | National program data | Numerator is unavailable |
| Timor-Leste24 | UNAIDS country progress report | UNAIDS estimate | Numerator is unavailable | National program data | Numerator is unavailable |
| Trinidad3 | PEPFAR Regional Operational Plan | Estimate (Source and quality unknown) | Numerator is unavailable | Source and quality unknown | Numerator is unavailable |
| Viet Nam25 | PEPFAR Country Operational Plan | UNAIDS estimate | Viet Nam Administration of HIV/AIDS Control (VAAC) HIV case reporting data | Viet Nam Administration of HIV/AIDS Control (VAAC) program data | Numerator is unavailable |
| Zambia26 | PEPFAR Country Operational Plan | Estimate based on PEPFAR Datapack | Numerator is unavailable | Source and quality unknown | Numerator is unavailable |

**Footnote:** Indicators are ranked according to the information below. The UNAIDS target “On ART” represents people taking ART which is usually defined by a surrogate marker such as filling pharmacy prescriptions.

**\***Nationalestimates and/or UNAIDS are high quality however it is important to remember that they are estimates and should be based on periodic surveillance data. Cascade methods should optimally reference the sources of data for the estimates.

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