

APPENDIX B: CALCULATED INDICATORS REFERENCE TABLE

Name	Description	FY 2020 Calculation
Cross-Cutting Calculations		
ART Coverage	Percentage of PLHIV on ART	$\frac{TX_CURR_SUBNAT}{PLHIV}$ where TX_CURR_SUBNAT is the host-country reported TX_CURR at the relevant subnational level.
Yield	Within a testing program, the percentage of positives found out of those who were tested and received their test results. Yield can be used for general testing as well as targeted testing for PMTCT, TB, etc.	General testing yield: $\frac{HTS_TST_POS}{(HTS_TST_POS + HTS_TST_NEG)}$ PMTCT Yield: $\frac{PMTCT_STAT_POS}{PMTCT_STAT}$
AGYW_PREV		
AGYW_PREV Total Denominator	Number of individual AGYW that have started or completed any DREAMS service/intervention in the reporting period.	Sum of the following age/sex/layering disaggregates: 1. Number of AGYW that have fully completed the DREAMS primary package of services/interventions but no additional services/interventions 2. Number of AGYW that have fully completed the DREAMS primary package of services/interventions AND at least one secondary service/intervention 3. Number of AGYW that have completed at least one DREAMS service/intervention but not the fully primary package 4. Number of AGYW that have started a DREAMS service/intervention but have not yet completed it
AGYW_PREV Total Numerator	Number of individual AGYW that have completed at least the DREAMS primary package of services/interventions as of the end of the reporting period.	Sum of the following age/sex/layering disaggregates: 1. Number of AGYW that have fully completed the DREAMS primary package of services/interventions but no additional services/interventions 2. Number of AGYW that have fully completed the DREAMS primary package of services/interventions AND at least one secondary service/intervention
CXCA_SCRN		
CXCA_SCRN Total Denominator	Number of HIV-positive women ages 15-49 on ART at PEPFAR-supported sites	Sum of TX_CURR by Age/Sex 15+, TX_CURR unknown age Note: This includes both fine and coarse age data from 15+ age groups.
CXCA_SCRN Total Numerator	Number of HIV-positive women on ART screened for cervical cancer	Sum of Screening Visit Type and Result by Age
CXCA_SCRN_POS	Number of HIV-positive women on ART screened for cervical cancer	Sum of positive for cervical cancer disaggregates Example: CXCA_SCRN_POS = "1st time screened"

		Positive + "Rescreened after previous negative" Positive + "Post-treatment follow-up" Positive
CXCA_TX		
CXCA_TX Total Denominator	Number of HIV-positive women on ART at PEPFAR supported sites who are eligible for cryotherapy, thermocoagulation or LEEP	Sum of CXCA_SCRN by Age/Sex/ScreenResult/ScreenVisitType, positive and suspected cancer disaggregates
CXCA_TX Total Numerator	Number of cervical cancer screen-positive women who are HIV-positive and on ART eligible for cryotherapy, thermocoagulation or LEEP who received cryotherapy, thermocoagulation or LEEP	Sum of Age/Sex/HIVStatus/TreatmentType/ScreenVisitType disaggregates
CXCA_SCRN Coverage	Percentage of HIV-positive women on ART screened for cervical cancer	$\frac{\text{CXCA_SCRN numerator}}{\text{CXCA_SCRN denominator}}$
GEND_GBV		
GEND_GBV Total Numerator	Number of people receiving post-gender-based violence (GBV) clinical care based on the minimum package	Sum of Violence Service Type by Age/Sex, all disaggregates
GEND_GBV PhysicalEmotional Violence	Number of people receiving post-gender-based violence (GBV) clinical care based on the minimum package for physical and/or emotional violence	Sum of Violence Service Type by Age/Sex, Physical/Emotional Violence disaggregates
GEND_GBV SexualViolence	Number of people receiving post-gender-based violence (GBV) clinical care based on the minimum package for sexual violence	Sum of Violence Service Type by Age/Sex, Sexual Violence disaggregates
HRH_CURR		
HRH_CURR Total Numerator	Number of health workers at this facility site who are working on HIV-related activities (e.g., prevention, treatment) and are receiving any type of support from PEPFAR, as well as total spend on these workers	Sum of Cadre category/Type of support/Total spend disaggregates
HRH_CURR Cadre Categories	The sum of number of workers supported within a cadre category	Example: HRH_CURR_Clinical cadre = Clinical Cadre by number of workers supported and total spend for: salaried staff; staff receiving stipends/allowances; staff receiving non-monetary support
HRH_PRE		
HRH_PRE Total Numerator	Number of new health workers who graduated from a pre-service training institution or program as a result of PEPFAR-supported strengthening efforts, within the reporting period, by select cadre	Sum of Cadre disaggregates
HTS_INDEX		
HTS_INDEX Total Numerator	The total number of contacts who were tested for HIV and received their results (Step 4).	Sum of facility and community results. Example: HTS_INDEX Total Numerator = HTS_INDEX (Community) Age/Sex/Result + HTS_INDEX (Facility) Age/Sex/Result

HTS_INDEX Numerator - Index Cases Offered	Step 1: This is the number of index clients (newly diagnosed positive or previously known positives who may or may not be on ART) who were offered (e.g., counseled on) index testing services (regardless of whether or not those services were accepted by the index client).	Sum of facility and community results. Example: $\text{HTS_INDEX Age/Sex/IndexCasesOffered} = \text{HTS_INDEX (Community) Age/Sex/IndexCasesOffered} + \text{HTS_INDEX (Facility) Age/Sex/IndexCasesOffered}$
HTS_INDEX Numerator - Index Cases Accepted	Step 2: This is the number of index clients who accepted (e.g., agreed to) provision of index testing services by a provider (including, counseling on index testing, elicitation of current or past sexual partners/partner notification etc.).	Sum of facility and community results. Example: $\text{HTS_INDEX Age/Sex/IndexCasesAccepted} = \text{HTS_INDEX (Community) Age/Sex/IndexCasesAccepted} + \text{HTS_INDEX (Facility) Age/Sex/IndexCasesAccepted}$
HTS_INDEX Numerator - Contacts	Step 3: This is the number of contacts provided by the index client as a result of accepting index testing services. The index client provides the age (<15 or >15) and sex (male or female) of the contact(s).	Sum of facility and community results. Example: $\text{HTS_INDEX AgeAggregated/Sex/Contacts} = \text{HTS_INDEX (Community) AgeAggregated/Sex/Contacts} + \text{HTS_INDEX (Facility) AgeAggregated/Sex/Contacts}$
HTS_INDEX Numerator – Contacts test results	Step 4: This is the number of contacts who were tested for HIV and received their results (positive and negative).	Sum of facility and community results. Example: $\text{HTS_INDEX Age/Sex/Result} = \text{HTS_INDEX (Community) Age/Sex/Result} + \text{HTS_INDEX (Facility) Age/Sex/Result}$
HTS_INDEX_KNOWNPOS Total Numerator	The total number of known positive contacts reported under Step 4 (contacts tested for HIV and received their results). Note that known positives should not be retested.	Sum of facility and community age/sex/result known positive disaggregates. Example: $\text{HTS_INDEX_KNOWNPOS} = \text{HTS_INDEX (Facility) Age/Sex/Result Known Positive} + \text{HTS_INDEX (Community) Age/Sex/Result KnownPositive}$
HTS_INDEX_NEWNEG Total Numerator	The total number of newly tested negative contacts reported under Step 4 (contacts tested for HIV and received their results).	Sum of facility and community age/sex/result newly identified negative disaggregates. Example: $\text{HTS_INDEX_NEWNEG} = \text{HTS_INDEX (Facility) Age/Sex/Result Newly Identified Negative} + \text{HTS_INDEX (Community) Age/Sex/Result Newly Identified Negative}$
HTS_INDEX_NEWPOS Total Numerator	The total number of newly tested positive contacts reported under Step 4 (contacts tested for HIV and received their results).	Sum of facility and community age/sex/result newly identified positive disaggregates.

		Example: $\text{HTS_INDEX_NEWPOS} = \text{HTS_INDEX (Facility) Age/Sex/Result Newly Identified Positive} + \text{HTS_INDEX (Community) Age/Sex/Result Newly Identified Positive}$
HTS_RECENT		
HTS_RECENT Total Numerator	Number of newly diagnosed HIV-positive persons who received a test for recent infection with a documented result.	Sum of HTS_RECENT Age/Sex/RTRI Result/Modality disaggregates. Note: "RTRI Result" refers to a Rapid Test for Recent Infection result of Recent or Long Term
HTS_RECENT Recent Infection	Number of newly diagnosed HIV-positive persons who received a test for recent infection with a result of "recent" during the reporting period.	Sum of HTS_RECENT Age/Sex/RTRI Result/Modality "Recent" disaggregates.
HTS_RECENT Long-term Infection	Number of newly diagnosed HIV-positive persons who received a test for recent infection with a result of "long-term" during the reporting period.	Sum of HTS_RECENT Age/Sex/RTRI Result/Modality "Long-term" disaggregates.
HTS_SELF		
HTS_SELF Total Numerator	Number of individual HIV self-test kits distributed.	Sum of Age/Sex/HIVSelfTest disaggregates.
HTS_TST		
HTS_TST Total Numerator	Number of individuals who received HIV Testing Services (HTS) and received their test results	Sum of HTS Modality and Result by Age/Sex Note: This calculation includes both fine and coarse age data when both are reported. This calculation also includes both facility and community data at the above-site level.
HTS_TST_POS	Number of individuals who received HIV Testing Services (HTS) and received a positive test result	Sum of HTS Modality and Result by Age/Sex, positive results Note: This calculation includes both fine and coarse age data when both are reported. This calculation also includes both facility and community data at the above-site level.
HTS_TST_NEG	Number of individuals who received HIV Testing Services (HTS) and received a negative test result	Sum of HTS Modality and Result by Age/Sex, negative results Note: This calculation includes both fine and coarse age data when both are reported. This calculation also includes both facility and community data at the above-site level.
HTS_TST Index & IndexMod testing modalities	Number of newly tested individuals who were identified and tested using Index testing services and received their results.	Copied from HTS_INDEX newly identified positive and newly identified negative. Facility index testing results are copied to the Index testing modality, while community index testing results are copied to the IndexMod testing modality. Example: HTS_TST Index Female 15-19 Positive =

		HTS_INDEX (Facility) Female 15-19 Newly identified positive HTS_TST IndexMod Female 15-19 Positive = HTS_INDEX (Community) Female 15-19 Newly identified positive
HTS_TST PMTCT testing modality	The number of women attending ANC1 who were tested for HIV and received results	Copied from PMTCT_STAT newly identified positive and newly identified negative Example: HTS_TST PMTCT ANC1 Female 15-19 Positive = PMTCT_STAT Female 15-19 Newly identified positive
HTS_TST TB testing modality	Number of new and relapsed TB cases who were tested for HIV and received results, during the reporting period	Copied from TB_STAT newly identified positive and newly identified negative Example: HTS_TST TB Clinics Female 15-19 Positive = TB_STAT Female 15-19 Newly identified positive
HTS_TST VMMC testing modality	The number of VMMC clients who were tested for HIV at a VMMC sites and received results	Copied from VMMC_CIRC positive and negative clients Example: HTS_TST VMMC Male 15-19 Positive = VMMC_CIRC Male 15-19 HIV positive clients
KP_MAT		
KP_MAT Total Numerator	Number of people who inject drugs (PWID) on medication-assisted therapy (MAT) for at least 6 months within the reporting period	Sum of sex disaggregates
KP_PREV		
KP_PREV Total Numerator	Number of key populations reached with individual and/or small group-level HIV prevention interventions designed for the target population	Sum of Key Population disaggregates
PMTCT_FO		
PMTCT_FO Total Numerator	Number of HIV-exposed infants with a documented outcome by 18 months of age disaggregated by outcome type.	Sum of Outcome Type disaggregates
OVC_HIVSTAT		
OVC_HIVSTAT Total Numerator	Number of orphans and vulnerable children (<18 years old) with HIV status reported	Sum of Status Type disaggregates OVC_HIVSTAT (N) = [Of those positive: Currently receiving ART] + [Of those positive: Not Currently receiving ART or ART Status Unknown] + [Reported HIV Negative to IP] + [Test not required based on risk assessment] + [No HIV status reported to the IP (HIV Status Unknown)]
OVC_HIVSTAT_POS	Number of orphans and vulnerable children (<18 years old) with positive HIV status reported	Sum of Status Type disaggregates, positive results OVC_HIVSTAT_POS (N) = [Of those

		positive: Currently receiving ART] + [Of those positive: Not Currently receiving ART or ART Status Unknown]
OVC_HIVSTAT_NEG	Number of orphans and vulnerable children (<18 years old) with negative HIV status reported	Sum of Status Type disaggregates, negative result OVC_HIVSTAT_NEG (N) = [Reported HIV Negative to IP]
OVC_SERV		
OVC_SERV Total Numerator (FY 2019)	Number of beneficiaries served by PEPFAR OVC programs for children and families affected by HIV	The numerator is the sum of the following Program Participation Status disaggregates: 1. Active beneficiaries (children and caregivers) 2. Graduated beneficiaries (children and caregivers graduated in the reporting period) Note: This calculation applies only to FY 2019 and forward. FY 2017 and FY 2018 are calculated differently.
OVC_SERV_ACTIVE	The number of children and caregivers that received at least one service in each of the preceding two quarters OR received at least one service in the preceding quarter if registered during the reporting period	Sum of all "Active" disaggregates
OVC_SERV_GRADUATED	At Q2: The number of children and caregivers that graduated from the OVC program in previous two quarters. At Q4: The number of children and caregivers that graduated from the OVC program in the past four quarters.	Sum of all "Graduated" disaggregates
OVC_SERV_OVER_18	Number of beneficiaries (active and graduated) aged 18 or older	Sum of Age/Sex/ProgramStatus disaggregates 18+
OVC_SERV_UNDER_18	Number of beneficiaries (active and graduated) under the age of 18	Sum of Age/Sex/ProgramStatus disaggregates >18
PMTCT_ART		
PMTCT_ART Total Denominator	Number of pregnant women with known HIV positive status at first antenatal care visit (ANC1) (includes those who already knew their HIV positive status prior to ANC1). This is collected through the positive disaggregations of PMTCT_STAT.	The sum of PMTCT_STAT New Positives and Known at Entry Positives.
PMTCT_ART Total Numerator	Number of HIV-positive pregnant women who received ART to reduce the risk of mother-to-child-transmission during pregnancy	Sum of "Maternal Regimen Type and Age" disaggregates
PMTCT_ART Coverage	Percentage of HIV-positive pregnant women who received ART to reduce the risk of mother-to-child-transmission (MTCT) during pregnancy	$\frac{\text{PMTCT_ART numerator}}{\text{PMTCT_ART denominator}}$
PMTCT_EID		
PMTCT_EID Total Denominator	The number of HIV-positive pregnant women identified in the reporting period,	Sum of Known and New positives from: PMTCT_STAT_POS:

	which is used as a proxy measure for the number of HIV-exposed infants.	Age/Sex/KnownNewResult HTS_TST_POS: PMTCT PostANC/Age Aggregated/Sex/Result, PMTCT PostANC/Age/Sex/Result
PMTCT_EID Total Numerator	Number of infants who had a first virologic HIV test (sample collected) by 12 months of age during the reporting period.	Sum of age disaggregates
PMTCT_EID Less_Equal_Two_Months	Number of infants who had a first virologic HIV test (sample collected) between 0 and 2 months of age during the reporting period.	Equals value reported for 0-2 months age band
PMTCT_EID Two_Twelve_Months	Number of infants who had a first virologic HIV test (sample collected) between 2 and 12 months of age during the reporting period.	Equals value reported for 2-12 months age band
PMTCT_EID Coverage	Percentage of infants born to HIV-positive women who received a first virologic HIV test (sample collected) by 12 months of age	$\frac{\text{PMTCT_EID numerator}}{\text{PMTCT_EID denominator}}$
PMTCT_HEI_POS		
PMTCT_HEI_POS Total Numerator	Number of HIV-infected infants identified in the reporting period, whose diagnostic sample was collected by 12 months of age.	Sum of Age disaggregates. Example: PMTCT_HEI_POS (N) = 0 to 2 months positive + 2 to 12 months positive
PMTCT_STAT		
PMTCT_STAT Total Denominator	Number of new ANC clients in reporting period	Sum of age disaggregates
PMTCT_STAT Total Numerator	Number of pregnant women with known HIV status at first antenatal care visit (ANC1) (includes those who already knew their HIV status prior to ANC1)	Sum of age and status disaggregates
PMTCT_STAT KnownatEntry_POSITIVE	Number of pregnant women attending ANC for a new pregnancy who were tested and confirmed HIV-positive at any point prior to the current pregnancy should be reported as known positive at entry.	Sum of Known at Entry Positive age disaggregates
PMTCT_STAT NewlyIdentified_Negative	The number of women attending ANC1 who were tested for HIV and received a negative result.	Sum of Newly Identified Negative age disaggregates
PMTCT_STAT NewlyIdentified_POSITIVE	The number of women attending ANC1 who were tested for HIV and received a positive result.	Sum of Newly Identified Positive age disaggregates
PMTCT_STAT_POS Total Numerator	Number of pregnant women with known HIV positive status at first antenatal care visit (ANC1) (includes those who already knew their HIV positive status prior to ANC1)	The sum of PMTCT_STAT New Positives and Known at Entry Positives.
PP_PREV		
PP_PREV Total Numerator	Number of priority populations reached with standardized HIV prevention intervention(s) that are evidence-based	Sum of age/sex disaggregates
PrEP_CURR		

Total Numerator	Number of individuals that received oral PrEP during the reporting period	Sum of age/sex disaggregates
PrEP_NEW		
Total Numerator	Number of individuals who have received (oral) antiretroviral pre-exposure prophylaxis (PrEP) to prevent HIV infection	Sum of age/sex disaggregates
TB_ART		
TB_ART Total Denominator	Number of registered TB cases with documented HIV-positive status during the reporting period. (TB_STAT_POS)	Equal to TB_STAT_POS
TB_ART Total Numerator	Number of TB cases with documented HIV-positive status who start or continue ART during the reporting period	Sum of ART Status by Age/Sex disaggregates
TB_ART Coverage	Proportion of HIV-positive new and relapsed TB cases on ART during TB treatment	$\frac{\text{TB_ART numerator}}{\text{TB_ART denominator}}$
TB_PREV		
TB_PREV Total Denominator	Number of ART patients who were initiated on any course of TPT during the previous reporting period	Sum of ART Start by Age/Sex disaggregates.
TB_PREV Total Numerator	Among those who started a course of TPT in the previous reporting period, the number that completed a full course of therapy (for continuous IPT programs, this includes the patients who have completed the first 6 months of isoniazid preventive therapy (IPT), or any other standard course of TPT such as 3 months of weekly isoniazid and rifapentine, or 3-HP).	Sum of ART Start by Age/Sex disaggregates.
TB_PREV Coverage (TPT Coverage)	Proportion of ART patients who started on a standard course of TB Preventive Treatment (TPT) in the previous reporting period who completed therapy	$\frac{\text{TB_PREV numerator}}{\text{TB_PREV denominator}}$
TB_STAT		
TB_STAT Total Denominator	Total number of new and relapsed TB cases, during the reporting period	Sum of age/sex disaggregates
TB_STAT Total Numerator	Number of new and relapsed TB cases with documented HIV status, during the reporting period	Sum of age/sex/status disaggregates
TB_STAT_NEG NewlyIdentified_Negative	Number of new and relapsed TB cases with documented HIV negative status, during the reporting period	Sum of age/sex/status disaggregates, negative
TB_STAT_POS	Number of new and relapsed TB cases with any documented HIV positive status (both new and known at entry), during the reporting period	Sum of age/sex/status disaggregates, known at entry positive and newly identified positive
TB_STAT_POS KnownAtEntry_Positive	Number of new and relapsed TB cases with documented HIV positive status that was known prior to entry, during the reporting period	Sum of age/sex/status disaggregates, known at entry positive
TB_STAT_POS NewlyIdentified_Positive	Number of new and relapsed TB cases with documented HIV positive status due to a new test, during the reporting period	Sum of age/sex/status disaggregates, newly identified positive

TX_CURR		
TX_CURR Total Numerator	Number of adults and children currently receiving antiretroviral therapy (ART)	Sum of age/sex disaggregates
Patients receiving MMD	Patients that pick up 3 or more months of anti-retroviral drugs at one visit (i.e., multi-month dispensation or MMD)	Sum of MMD by age/sex disaggregates, 3-5 months and 6 or more months
TX_NET_NEW	The quarterly net increase or decrease in ART patients.	TX_CURR current quarter - TX_CURR previous quarter by age/sex group. Note: TX_NET_NEW calculations across time periods where age bands have changed (such as between FY18 Q4 and FY19 Q1) may need to be calculated manually.
Net New Needed	The total number of net new on treatment needed per year to reach 90% by 2020	$\frac{[(PLHIV*.90) - TX_CURR_SUBNAT]}{\text{\# of years until goal}}$ where TX_CURR_SUBNAT is the host-country reported TX_CURR at the relevant subnational level.
Retention Proxy	A measure of the overall gain or loss in patients compared to the expected number of patients of treatment. The expected number of patients on treatment assumes 100% retention of both newly enrolled (TX_NEW) and previously enrolled (TX_CURR) patients.	$1 + \frac{(TX_NET_NEW*4) - (TX_NEW)*4}{[TX_CURR - TX_NET_NEW - (TX_NEW*4)]}$ This can be translated to: $1 + \frac{\text{Overall loss or gain}}{\text{Expected TX_CURR}}$ where expected TX_CURR assumes 100% retention of both newly enrolled (TX_NEW) and previously enrolled (TX_CURR) patients.
TX_ML		
Total Numerator	Number of ART patients with no clinical contact since their last expected contact	Sum of Outcome by Age/Sex disaggregates.
TX_NEW		
Total Numerator	Number of adults and children newly enrolled on antiretroviral therapy (ART)	Sum of Age/Sex and Age Aggregated/Sex disaggregates
Linkage Proxy	Estimate of the percentage of people who test HIV positive and are linked to treatment. This metric is not calculated at the individual level.	$\frac{TX_NEW}{HTS_TST_POS}$
TX_PVLS		
Total Denominator	Number of ART patients with a VL result documented in the medical or laboratory records/LIS within the past 12 months.	Sum of Age/Sex/Indication and Age Aggregated/Sex/Indication disaggregates.
Total Numerator	Number of ART patients with suppressed VL results (<1,000 copies/ml) documented in the medical or laboratory records/LIS within the past 12 months	Sum of Age/Sex/Indication/HIVStatus and Age Aggregated/Sex/Indication/HIVStatus disaggregates.
Viral Load Suppression Coverage	Percentage of ART patients with a suppressed viral load (VL) result (<1000 copies/ml) documented in the medical or laboratory records/laboratory information systems (LIS) within the past 12 months	$\frac{TX_PVLS \text{ numerator}}{TX_PVLS \text{ denominator}}$

Viral Load Test Coverage	Percentage of patients eligible for viral load testing who have received a viral load test. Length of time on treatment may vary by ART regimen and/or national guidelines.	$\frac{\text{TX_PVLS numerator}}{\text{TX_PVLS denominator}}$ (TX_CURR from 2 quarters prior)
TX_RTT		
TX_RTT Total Numerator	Number of ART patients with no clinical contact or ARV pick-up for greater than 28 days since their last expected contact who restarted ARVs within the reporting period	Sum of age/sex disaggregates
TX_TB		
TX_TB Total Denominator	Number of ART patients who were screened for TB at least once during the semiannual reporting period.	Sum of Start of ART by Screen Result by Age/Sex
TX_TB Total Numerator	Number of ART patients who were started on TB treatment during the semiannual reporting period.	Sum of Current/New on ART by Age/Sex
VMMC_CIRC		
Total Numerator	Number of males circumcised	Sum of Age disaggregates
VMMC_CIRC Follow-up Total	Number of males who received a circumcision and reported a follow-up status	Sum of FollowUp/Surgical, within 14 days + FollowUp/Surgical, not within 14 days plus FollowUp/DeviceBased, within 14 days + FollowUp/DeviceBased, not within 14 days
VMMC_CIRC Follow-up Surgical	FollowUp/Surgical: Number of males who received a surgical circumcision and reported a follow-up status	Sum of FollowUp/Surgical, within 14 days + FollowUp/Surgical, not within 14 days Note: "Within 14 days" is abbreviated as "Yes" in the system while "Not within 14 days" is abbreviated as "No" in the system.
VMMC_CIRC Follow-up Device Based	FollowUp/DeviceBased: Number of males who received a device-based circumcision and reported a follow-up status	Sum of FollowUp/DeviceBased, within 14 days + FollowUp/DeviceBased, not within 14 days Note: "Within 14 days" is abbreviated as "Yes" in the system while "Not within 14 days" is abbreviated as "No" in the system.