

# 11 PMTCT

## 11.1 Host Country Context #

	<b>F</b>	<b>G</b>	<b>H</b>
Column Name			
UID	POP_EST.T_1	PLHIV.T_1	HIV_PREV.T_1
Column Type?	reference	reference	reference
What type of data?	integer	integer	percentage
Prepopulated data?	N	N	N
Enter or modify data?	N	N	Y
Calculated column?	Y	Y	Y
Linked column?	Y	Y	Y

	<b>I</b>	<b>J</b>	<b>K</b>
Column Name			
UID	TX_CURR_SUBNAT.T_1	PopART.Rt.T_1	PMTCT_STAT_SUBNAT.D. T_1
Column Type?	reference	reference	target
What type of data?	integer	percentage	integer
Prepopulated data?	N	N	N
Enter or modify data?	Y	N	N
Calculated column?	Y	Y	Y
Linked column?	Y	Y	Y

	<b>L</b>	<b>M</b>	<b>N</b>
Column Name			

	<b>L</b>	<b>M</b>	<b>N</b>
UID	PMTCT_STAT_SUBNAT.N. Known.Pos.T_1	PMTCT_STAT_SUBNAT.N. New.Pos.T_1	PMTCT_STAT_SUBNAT.N. New.Neg.T_1
Column Type?	target	target	target
What type of data?	integer	integer	integer
Prepopulated data?	N	N	N
Enter or modify data?	N	N	N
Calculated column?	Y	Y	Y
Linked column?	Y	Y	Y

	<b>O</b>	<b>P</b>	<b>Q</b>
Column Name			
UID	PMTCT_ART_SUBNAT.D. T_1	PMTCT_ART_SUBNAT.N. Already.T_1	PMTCT_ART_SUBNAT.N. New.T_1
Column Type?	target	target	target
What type of data?	integer	integer	integer
Prepopulated data?	N	N	N
Enter or modify data?	N	N	N
Calculated column?	Y	Y	Y
Linked column?	Y	Y	Y

### 11.1.1 DATIM Import

The following data will NOT be imported into DATIM but will appear in the COP Dossier from this section of the Target Setting Tool:

- **Host Country PMTCT\_STAT\_SUBNAT (D) - # New ANC clients (FY24)**  
*PMTCT\_STAT\_SUBNAT.D.T\_1*
- **Host Country PMTCT\_STAT\_SUBNAT (N) - Known Positive (FY24)**  
*PMTCT\_STAT\_SUBNAT.N.Known.Pos.T\_1*

- **Host Country PMTCT\_STAT\_SUBNAT (N) - New Positive (FY24)**  
*PMTCT\_STAT\_SUBNAT.N.New.Pos.T\_1*
- **Host Country PMTCT\_STAT\_SUBNAT (N) - New Negative (FY24)**  
*PMTCT\_STAT\_SUBNAT.N.New.Neg.T\_1*
- **Host Country PMTCT\_ART\_SUBNAT (D) - HIV-positive pregnant women (FY24)**  
*PMTCT\_ART\_SUBNAT.D.T\_1*
- **Host Country PMTCT\_ART\_SUBNAT (N) - Already on ART (FY24)**  
*PMTCT\_ART\_SUBNAT.N.Already.T\_1*
- **Host Country PMTCT\_ART\_SUBNAT (N) - New on ART (FY24)**  
*PMTCT\_ART\_SUBNAT.N.New.T\_1*

## 11.1.2 Instructions

1. Review data for the following columns, all of which come from corollaries on the Cascade tab. Follow hyperlinks to navigate to the source of this data:
  - a. Host Country Estimated Female Population (FY24)
  - b. Host Country Estimated PLHIV (FY24)
  - c. Host Country Estimated HIV Prevalence (FY24)
  - d. Host Country Estimated TX\_CURR\_SUBNAT (FY24)
  - e. Host Country Estimated ART Coverage (FY24)
2. If using Spectrum as the source for Host Country Context data, the following columns will initially be populated based on data from the Spectrum export dataset added to the Spectrum tab of the Target Setting Tool. Review these and return to Spectrum to adjust assumptions there as needed. With approval by your PPM and assigned DUIT Liaison, you may also identify and use another source for this data.
  - a. Host Country PMTCT\_STAT\_SUBNAT (D) - # New ANC clients (FY24)
  - b. Host Country PMTCT\_STAT\_SUBNAT (N) - Known Positive (FY24)
  - c. Host Country PMTCT\_STAT\_SUBNAT (N) - New Positive (FY24)

d. Host Country PMTCT\_STAT\_SUBNAT (N) - New Negative (FY24)

e. Host Country PMTCT\_ART\_SUBNAT (D) - # HIV-positive pregnant women (FY23)

f. Host Country PMTCT\_ART\_SUBNAT (N) - Already on ART (FY24)

g. Host Country PMTCT\_ART\_SUBNAT (N) - New on ART (FY24)

## 11.2 PMTCT: New ANC Clients

### 11.2.1 PMTCT\_STAT (D) and PMTCT\_STAT\_SUBNAT (D)

**PMTCT\_STAT (D):** Number of new ANC clients in reporting period.

	R	S	T	U	V
Column Name					
UID	PMTCT_STAT.D.T_1	PMTCT_STAT.D.Growth.T	PMTCT_STAT.D.T	PMTCT_STAT.D.NatlContr.T	PMTCT_STAT.SUBNAT.D.T
Column Type?	past	assumption	target	assumption	target
What type of data?	integer	percentage	integer	percentage	integer
Prepopulated data?	Y	N	N	N	N
Enter or modify data?	?	N	N	N	N
Calculated column?	N	Y	Y	Y	Y
Linked column?	Y	Y	Y	Y	Y

### 11.2.2 DATIM Import

The following data points will be imported into DATIM from this section:

- **PMTCT\_STAT (D) (FY25)** *PMTCT\_STAT.D.T*

- **PMTCT\_STAT\_SUBNAT (D) (FY25)** *PMTCT\_STAT\_SUBNAT.D.T*

## 11.2.3 Instructions

1. For historical context, review FY24 targets for PMTCT\_STAT (D), reflected in the Target Setting Tool per data reported in DATIM.
2. Review and adjust the Expected change in new ANC clients, which should help indicate whether there is an anticipated change in the number of women presenting to ANC compared to FY24. This is defaulted at 0%, though this reflects no suggestion of strategy from S/GAC. Adjust these growth rates to reflect intentional, data-driven, strategic programming. Values can be negative or positive percentages in this column, which will decrease or increase the FY24 target for PMTCT\_STAT (D) respectively. (If the expected number of women presenting in ANC for FY23 is the same as FY22, the value in column F would be “0%”. If it increased by 50%, the value would be “50%”. If the number should decrease by 20%, enter “-20%”.)
3. Review FY25 targets for PMTCT\_STAT (D), which is calculated by multiplying the Expected change in new ANC clients (set in step 2) by the lesser of either the “Host Country PMTCT\_STAT\_SUBNAT (D) - # New ANC clients (FY24)” set in the Host Country Context section, or the PMTCT\_STAT (D) FY23 targets from DATIM. In the case services are planned in FY25 where these were not provided in FY24, you may manually enter FY25 targets in this column.
4. Review H.C. % ANC clients served at PEPFAR-supported sites (FY24) (%) which will be calculated by dividing historic PMTCT\_STAT (D) (FY23) target by the column K H.C. New ANC Clients (FY23). This percentage can be modified if the calculation does not produce the proper coverage.
5. Column V H.C. PMTCT\_STAT\_SUBNAT (D) (FY25) target will divide the FY25 target set for PMTCT\_STAT (D) and the % calculated in step 4.

## 11.3 PMTCT: ANC1 Testing - PEPFAR

### 11.3.1 PMTCT: PMTCT\_STAT (N)

**PMTCT\_STAT (N):** 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).

	W	X	Y	Z
Column Name				
UID	PMTCT_STAT.N.Known.PosRt.R	PMTCT_STAT.N.Known.PosRt.T	PMTCT_STAT.N.New.Yield.R	PMTCT_STAT.N.New.Yield.T
Column Type?	calculation	assumption	calculation	assumption
What type of data?	percentage	percentage	percentage	percentage
Prepopulated data?	N	N	N	N
Enter or modify data?	N	N	N	N
Calculated column?	N	Y	N	Y
Linked column?	Y	Y	Y	Y

	AA	AB	AC	AD
Column Name				
UID	PMTCT_STAT.N.T	PMTCT_STAT.N.Known.Pos.T	PMTCT_STAT.N.New.Pos.T	PMTCT_STAT.N.New.Neg.T
Column Type?	reference	target	target	target
What type of data?	integer	integer	integer	integer
Prepopulated data?	N	N	N	N
Enter or modify data?	N	N	N	N

	AA	AB	AC	AD
Calculated column?	Y	Y	Y	Y
Linked column?	Y	Y	Y	Y

## 11.3.2 DATIM Import

The following data points will be imported into DATIM from this section:

- **Total PMTCT\_STAT (N) (FY25)** *PMTCT\_STAT.N*
- **PMTCT\_STAT (N) Known HIV Status, Positive (FY25)**  
*PMTCT\_STAT.N.KnownPos.T*
- **PMTCT\_STAT (N) Newly Tested, Positive (FY25)** *PMTCT\_STAT.N.New.Pos.T*
- **PMTCT\_STAT (N) Newly Tested, Negative (FY25)** *PMTCT\_STAT.N.New.Neg.T*

## 11.3.3 Instructions

1. Review FY23 Results for (a) Estimated % ANC1 clients with already Known HIV Positive status, and (b) Estimated Positivity Rate among Newly Tested ANC1 clients.
2. Review FY25 projections for (a) Estimated % ANC1 clients with already Known HIV Positive status, and (b) Estimated Positivity Rate among Newly Tested ANC1 clients. These data default to remain static from related FY24 rates added to the Host Country Context section of this tab. Where these are unavailable, these instead use FY23 results trends. In either case, these can be adjusted as necessary with approval by your PPM and DUIT Liaison. Red highlights indicate percentages over 100%; yellow highlights indicate percentages different from FY23 results. See below for additional information.
3. Review “Total PMTCT\_STAT (N)”, which will display the numerator value for PMTCT\_STAT based on the multiplication of “PMTCT\_STAT (D)” and the “Targeted testing coverage of ANC1 clients (FY24)”. To make changes to the PMTCT numerator, adjust either the PMTCT denominator or the desired testing coverage.

4. Review PMTCT\_STAT Known HIV Status, Positive, which will be calculated based on multiplying Total PMTCT\_STAT (N) by the Estimated percent of ANC1 clients already Known HIV Positive.
5. Review PMTCT\_STAT Newly Tested, Positive, which will be calculated based on first removing the PMTCT\_STAT Known HIV Status, Positive cohort from Total PMTCT\_STAT (N), then by multiplying this value by the Estimated Positivity Rate among Newly Tested ANC1 clients.
6. Review PMTCT\_STAT Newly Tested, Negative, which will be calculated as the remainder of Total PMTCT\_STAT (N) less both PMTCT\_STAT Known HIV Status, Positive and PMTCT\_STAT Newly Tested, Positive.

### 11.3.4 FY25 Projected Known Positivity and New Positivity Rates

In projecting rates of Known and New positivity for PMTCT\_STAT ANC1 clients, the COP21 Target Setting Tool relies first upon Host Country Context estimates, provided by Spectrum or another approved source, and where this data is unavailable, upon PEPFAR FY22 results obtained from DATIM on the date of the Target Setting Tool's generation, as documented on the Home tab. These rates are calculated from Host Country Context data as follows:

$$\text{Estimated \% ANC1 clients already Known HIV Positive}_t = \frac{\text{PMTCT\_STAT\_SUBNAT.N.Known.Pos.}_{t-1}}{\text{PMTCT\_STAT\_SUBNAT.D}_{t-1}}$$

$$\text{Estimated Positivity Rate among Newly Tested ANC1 clients}_t = \frac{\text{PMTCT\_STAT\_SUBNAT.N.New.Pos.}_{t-1}}{\text{PMTCT\_STAT\_SUBNAT.D}_{t-1} - \text{PMTCT\_STAT\_SUBNAT.N.Known.Pos.}_{t-1}}$$



## 11.4 PMTCT: ANC1 Testing - Host Country

### 11.4.1 PMTCT: PMTCT\_STAT\_SUBNAT (N)

	AE	AF	AG	AH
Column Name				
UID	PMTCT_STAT_SUBNAT.N. T	PMTCT_STAT_SUBNAT.N. Known.Pos.T	PMTCT_STAT_SUBNAT.N. New.Pos.T	PMTCT_STAT_SUBNAT.N. New.Neg.T
Column Type?	assumption	target	target	target
What type of data?	integer	integer	integer	integer
Prepopulated data?	N	N	N	N
Enter or modify data?	N	N	N	N
Calculated column?	Y	Y	Y	Y
Linked column?	Y	Y	Y	Y

### 11.4.2 DATIM Import

The following data points will be imported into DATIM from this section:

- **Host Country PMTCT\_STAT\_SUBNAT (N) - Known Positive (FY25)**  
*PMTCT\_STAT\_SUBNAT.N. Known. Pos. T*
- **Host Country PMTCT\_STAT\_SUBNAT (N) - New Positive (FY25)**  
*PMTCT\_STAT\_SUBNAT.N. New. Pos. T*
- **Host Country PMTCT\_STAT\_SUBNAT (N) - New Negative (FY25)**  
*PMTCT\_STAT\_SUBNAT.N. New. Neg. T*

## 11.4.3 Instructions

1. Review the Total PMTCT\_STAT\_SUBNAT (N) that is calculated using the target set in the previous section for PMTCT\_STAT\_SUBNAT (D) (FY25) and Targeted testing coverage of ANC1 clients (FY25) (%) from the PMTCT\_STAT (N) section. This will be used to calculate the FY24 targets for the remainder of this section
2. Review Host Country PMTCT\_STAT\_SUBNAT (N) - Known Positive (FY25) which will be calculated as the product of the Total PMTCT\_STAT\_SUBNAT (N) and Projected % ANC1 clients Known HIV Positive (FY24) (%). Adjust this percentage from the previous section to make changes to this target.
3. Review Host Country PMTCT\_STAT\_SUBNAT (N) - New Positive (FY25) in the same manner as it uses the SUBNAT Numerator and Est. Positivity Rate among Newly Tested ANC1 clients (FY25) (%). Adjust this percentage from the previous section to make changes to this target.
4. Review Host Country PMTCT\_STAT\_SUBNAT (N) - New Negative (FY25) which will be calculated as the remainder of Host Country PMTCT\_STAT\_SUBNAT (N) - Known Positive (FY25), less Host Country PMTCT\_STAT\_SUBNAT (N) - Known Positive (FY25) and Host Country PMTCT\_STAT\_SUBNAT (N) - New Positive (FY25).

## 11.5 PMTCT: ART - PEPFAR

### 11.5.1 PMTCT: PMTCT\_ART (N)

**PMTCT\_ART (N):** Number of HIV-positive pregnant women who received ART to reduce the risk of mother-to-child transmission during pregnancy.

	AI	AJ	AK
Column Name			
UID	PMTCT_STAT.Linkage.T	PMTCT_ART.Already.T	PMTCT_ART.New.T
Column Type?	reference	target	target
What type of data?	percentage	integer	integer
Prepopulated data?	N	N	N

	AI	AJ	AK
Enter or modify data?	N	N	N
Calculated column?	Y	Y	Y
Linked column?	Y	Y	Y

## 11.5.2 DATIM Import

The following data points will be imported into DATIM from this section:

- **Already on ART (FY25)** *PMTCT\_ART.Already.T*
- **New on ART (FY25)** *PMTCT\_ART.New*

## 11.5.3 Instructions

1. Review Targeted ART Linkage Rate for linkage between PMTCT\_STAT (N) Newly Tested, Positive and PMTCT\_ART New on ART. This rate is locked in step with ART Linkage Rates set on the Cascade Tab, which default to 95%; return to that tab to adjust this rate, though note that this will alter linkage rates across all modalities.
2. Review modeled targets for PMTCT\_ART (N) Already on ART. For the purposes of COP21 target setting in the Target Setting Tool, FY24 targets for PMTCT\_ART Already on ART are set assuming that 100% of those ANC1 clients with already known HIV positive status are already on ART.
3. Review modeled targets for PMTCT\_ART New on ART, which is calculated by multiplying PMTCT\_STAT (N) Newly Tested, Positive by the Targeted ART Linkage Rate.

## 11.6 PMTCT: ART - Host Country

### 11.6.1 PMTCT: PMTCT\_ART\_SUBNAT

	AL	AM	AN
Column Name			

	AL	AM	AN
UID	PMTCT_ART_SUBNAT.D.T	PMTCT_ART_SUBNAT.N. Already.T	PMTCT_ART_SUBNAT.N. New.T
Column Type?	target	target	target
What type of data?	integer	integer	integer
Prepopulated data?	N	N	N
Enter or modify data?	N	N	N
Calculated column?	Y	Y	Y
Linked column?	Y	Y	Y

## 11.6.2 DATIM Import

The following data points will be imported into DATIM from this section:

- **Est. Host Country # HIV-positive pregnant women (FY25)**  
*PMTCT\_ART\_SUBNAT.D.T*
- **Est. Host Country # HIV+ Pregnant Women Already on ART (FY25)**  
*PMTCT\_ART\_SUBNAT.N. Already.T*
- **Est. Host Country # HIV+ Pregnant Women New on ART (FY25)**  
*PMTCT\_ART\_SUBNAT.N. New.T*

## 11.6.3 Instructions

1. Review Est. Host Country # HIV-positive pregnant women (FY25). This is the summation of FY25 Targets set in the PMTCT\_STAT\_SUBNAT (N) Section for Host Country PMTCT\_STAT\_SUBNAT (N) - Known Positive (FY24) and Host Country PMTCT\_STAT\_SUBNAT (N) - New Positive (FY24).
- 2.

## 11.7 PMTCT: HTS\_TST: PMTCT Post ANC1

**HTS\_TST: PMTCT Post ANC1:** Includes pregnant or breastfeeding women who receive a test POST ANC1, this includes women who are tested later in pregnancy (>ANC2), during labor & delivery (L&D), and while breastfeeding.

	AO	AP	AQ	AR
Column Name				
UID	HTS_TST.PostANC1. Eligible.T	HTS_TST.PostANC1. Yield	HTS_TST.PostANC1. Yield.T	HTS_TST.PostANC1.Pos. Linkage.T
Column Type?	assumption	calculation	assumption	reference
What type of data?	integer	percentage	percentage	percentage
Prepopulated data?	N	N	N	N
Enter or modify data?	N	N	N	N
Calculated column?	Y	N	Y	Y
Linked column?	Y	Y	Y	Y

	AS	AT	AU
Column Name			
UID	HTS_TST.PostANC1.Pos. T	HTS_TST.PostANC1.Neg. T	TX_NEW.PostANC1.T
Column Type?	target	target	reference
What type of data?	integer	integer	integer
Prepopulated data?	N	N	N
Enter or modify data?	N	N	N
Calculated column?	Y	Y	Y
Linked column?	Y	Y	Y

### 11.7.1 DATIM Import

The following data points will be imported into DATIM from this section:

- **HTS\_TST PMTCT Post ANC1, Positive (FY25)** *HTS\_TST.PostANC1.Pos.T*
- **HTS\_TST PMTCT Post ANC1, Negative (FY25)** *HTS\_TST.PostANC1.Neg.T*

## 11.7.2 Instructions

1. Review and adjust the Total eligible for Post ANC1 retesting, which is initially set equal to the number tested and found negative in initial ANC1 testing.
2. Review and adjust the Yield for PMTCT Post ANC1 HIV testing, which will initially be pre-populated based on FY22 results from DATIM, but can be adjusted as needed. Red highlights indicate percentages over 100% or under 0%.
3. Review Targeted ART Linkage Rates for linkage between HTS\_TST: PMTCT Post ANC1, Positive and TX\_NEW. This rate is locked in step with ART Linkage Rates set on the Cascade Tab, which default to 95%; return to that tab to adjust this rate, though note that this will alter linkage rates across all modalities.
4. Review targets for HTS\_TST: PMTCT Post ANC1, Positive, which are set by multiplying Total eligible for Post ANC1 retesting, set in step 1, by the Yield rate set in step 2.
5. Review targets for HTS\_TST: PMTCT Post ANC1, Negative, which are set by subtracting HTS\_TST: PMTCT Post ANC1, Positive from the Total eligible for Post ANC1 retesting set in step 1.
6. Review modeled data for those tested and found positive for HIV post ANC1 who are linked to ART, set by multiplying those found positive by the Targeted ART Linkage Rate set in step 3, rounded to the nearest integer.

## 11.8 PMTCT: Testing Rationalization

	AV	AW	AX	AY
Column Name				
UID	PMTCT.Pos.T	HTS_TST.Pos.T	HTS_TST.PMTCT_STAT. New.Pos.T	HTS_TST.PostANC1.New. Pos.T
Column Type?	reference	reference	reference	reference

	<b>AV</b>	<b>AW</b>	<b>AX</b>	<b>AY</b>
What type of data?	integer	integer	integer	integer
Prepopulated data?	N	N	N	N
Enter or modify data?	N	N	N	N
Calculated column?	Y	Y	Y	Y
Linked column?	Y	Y	Y	Y

	<b>AZ</b>	<b>BA</b>
Column Name		
UID	HTS_TST.TB.New.Pos.T	HTS_TST.Total_Other. Pos.T
Column Type?	reference	reference
What type of data?	integer	integer
Prepopulated data?	N	N
Enter or modify data?	N	N
Calculated column?	Y	Y
Linked column?	Y	Y

## 11.8.1 DATIM Import

No data from this section will be imported into DATIM.

## 11.8.2 Instructions

1. Review Total PMTCT: Positives (From ANC1 & Post ANC1), which represents the *sum* of the PMTCT\_STAT Known Positive, PMTCT\_STAT Newly Tested Positive, and HTS\_TST Post ANC1 Positive targets. This column serves as the starting point of the EID modeling process on the EID tab. For more information about the role of this data relative to EID targets, see that section of this User Guide.

2. Use the remainder of this section of the PMTCT tab to analyze how PMTCT\_STAT Newly Tested, Positives fit within the context of an overall testing strategy. In particular, consider how this modality contributes to total HTS\_TST\_POS in relation to HTS\_INDEX, TB\_STAT, and all other HTS modalities.
3. Review any cases where this section is highlighted red, indicating over- or under-allocation of HTS\_TST\_POS targets across contributing modalities. While these allocation issues may be more the result of a different modality(ies), analysis of these to confirm no adjustments to PMTCT\_STAT are warranted may prevent issues and additional work in other sections of the Target Setting Tool.
4. Return to other tabs of the Target Setting Tool where issues flagged in this section require adjustment of either total HTS\_TST\_POS targets, or targets via other modalities. Similar Testing Rationalization sections can be also found in each of these other tabs of the Target Setting Tool. You may also use hyperlinks in column headers in this section to quickly navigate to the most relevant section of the Target Setting Tool.



