14 VMMC

14.1 VMMC_CIRC_SUBNAT

	F	G	H
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

	I	J	K
Column Name			
UID	TX_CURR_SUBNAT.T_1	PopART.Rt.T_1	VMMC_CIRC.R
Column Type?	reference	reference	past
What type of data?	integer	percentage	integer
Prepopulated data?	N	N	Y
Enter or modify data?	Y	N	?
Calculated column?	Y	Y	N
Linked column?	Y	Y	N

	L	M	N
Column Name			
UID	VMMC_CIRC.T_1	VMMC_CIRC_SUBNAT.T_1	MMC_TOTALCIRC_SUBNAT. T_1

	L	M	N
Column Type?	past	target	target
What type of data?	integer	integer	integer
Prepopulated data?	Y	N	N
Enter or modify data?	?	N	N
Calculated column?	N	Y	Y
Linked column?	Y	Y	Y

	O	P	Q
Column Name			
UID	MMC_TOTALCIRC_SUBNAT.Rt.T_1	MMC_TOTALCIRC_SUBNAT.Rt.T	MMC_TOTALCIRC_SUBNAT.T
Column Type?	reference	assumption	target
What type of data?	percentage	percentage	integer
Prepopulated data?	N	N	N
Enter or modify data?	N	N	N
Calculated column?	Y	Y	Y
Linked column?	Y	Y	Y

	R
Column Name	
UID	VMMC_CIRC_SUBNAT.T
Column Type?	target
What type of data?	integer
Prepopulated data?	N
Enter or modify data?	N
Calculated column?	Y
Linked column?	Y

14.1.1 DATIM Import

The following data points will be imported into DATIM (only FY25 SUBNAT Targets) from this section:

- **Host Country VMMC_CIRC_SUBNAT (FY24)** $VMMC\_CIRC\_SUBNAT.T\_1$
- **Host Country VMMC_TOTALCIRC_SUBNAT (FY24)** $VMMC\_TOTALCIRC\_SUBNAT.T\_1$
- **Targeted Host Country VMMC_TOTALCIRC_SUBNAT (FY25)** $VMMC\_TOTALCIRC\_SUBNAT.T$
- **Targeted Host Country VMMC_CIRC_SUBNAT (FY25)** $VMMC\_CIRC\_SUBNAT.T$

14.1.2 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 Male 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 VMMC_CIRC_SUBNAT (FY24)
    b. Host Country VMMC_TOTALCIRC_SUBNAT (FY24)

3. Review Host Country Estimated VMMC Coverage (FY24), which is calculated by dividing the FY24 Host Country Estimated VMMC_TOTALCIRC_SUBNAT by the FY24 Host Country Estimated Male Population.

4. Review Targeted Host Country VMMC Coverage (FY25), which is initially set to 80% per PEPFAR VMMC coverage goals, but you may adjust this based on PEPFAR Country-specific VMMC strategies and goals. Note that this statistic represents the targeted VMMC coverage to be achieved by October 2023.

5. Review modeled FY25 targets for Host Country VMMC_TOTALCIRC_SUBNAT and VMMC_CIRC_SUBNAT. Return to steps 1-4 to adjust underlying assumptions as needed.

14.2 VMMC: VMMC_CIRC

VMMC_CIRC: Number of males circumcised as part of the voluntary medical male circumcision (VMMC) for HIV prevention program within the reporting period.

Note: For FY25 targets, males less than 15 years old will not be eligible for PEPFAR-supported VMMC services.

	S	T	U	V
Column Name				
UID	VMMC_CIRC.NatlContr.T	VMMC_CIRC.Change.Military	VMMC_CIRC.Unk.Rt.R	VMMC_CIRC.Unk.Rt.T
Column Type?	assumption	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?	Y	Y	N	Y
Linked column?	Y	Y	Y	Y

	W	X	Y	Z
Column Name				
UID	VMMC_CIRC.Yield.R	VMMC_CIRC.Yield.T	VMMC_CIRC.T	VMMC_CIRC.Unk.T
Column Type?	calculation	assumption	assumption	target
What type of data?	percentage	percentage	integer	integer
Prepopulated data?	N	N	N	N
Enter or modify data?	N	N	N	N
Calculated column?	N	Y	Y	Y
Linked column?	Y	Y	Y	Y

	AA	AB
Column Name		
UID	VMMC_CIRC.Pos.T	VMMC_CIRC.Neg.T
Column Type?	target	target
What type of data?	integer	integer
Prepopulated data?	N	N
Enter or modify data?	N	N
Calculated column?	Y	Y
Linked column?	Y	Y

14.2.1 DATIM Import

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

- VMMC_CIRC Not Tested by PEPFAR (FY25) $VMMC\_CIRC.Unk.T$
- VMMC_CIRC HIV Positive (FY25) $VMMC\_CIRC.Pos.T$
- VMMC_CIRC HIV Negative (FY25) $VMMC\_CIRC.Neg.T$

14.2.2 Instructions

1. For historical context, review FY23 results and FY24 targets for PEPFAR VMMC_CIRC, supplied in the Target Setting Tool as an export from data currently reported in DATIM.

2. Review the FY24 estimated PEPFAR Coverage of Host Country VMMC_CIRC_SUBNAT, calculated by dividing FY24 PEPFAR VMMC_CIRC targets by the projected FY23 Host Country VMMC_CIRC_SUBNAT.

3. Review the FY25 PEPFAR coverage of Host Country VMMC_CIRC_SUBNAT, which is initially set equal to the FY24 estimated coverage rate set in step 2, but can be adjusted as needed.

4. For Military SNUs only, adjust the FY24 to FY25 Change in VMMC_CIRC. For Military SNUs, this defaults to zero, but can be adjusted to match strategic programming as necessary.

5. Review FY23 results for Observed Indeterminate/Not Tested Rate and Observed Positivity Rate among those VMMC clients newly tested for HIV, both of which are obtained from DATIM.

6. Review and adjust FY25 projections for Estimated Indeterminate/Not Tested Rate and Estimated Positivity Rate among VMMC clients newly tested for HIV. Both of these estimates are initially set equal to their counterpart set in step 5, but can be adjusted as needed. Red highlights in either indicate percentages above 100% or below 0%; yellow highlights in the Estimated Positivity Rate column indicate yields greater than 1%.

7. Review Targeted ART Linkage Rate for linkage between VMMC_CIRC: HIV 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.

8. Review modeled targets for Total VMMC_CIRC. See below for more information. Return to steps 1-4 and the previous section for VMMC_CIRC_SUBNAT to adjust assumptions driving this target.

9. Review modeled targets for VMMC_CIRC Indeterminate/Note Tested, HIV Positive, and HIV Negative. See below for additional information about each of these.

10. Finally, review modeled data for those identified HIV positive via VMMC projected to be linked to ART, which is set by multiplying those identified HIV positive by the ART linkage rate reviewed in step 7.

14.2.3 Total VMMC_CIRC (FY25)

For Military organization units, FY25 targets for Total VMMC_CIRC is set as follows, rounding to the nearest integer:

$$VMMC\_CIRC_t = VMMC\_CIRC_{t-1} \times (1 + VMMC\_CIRC.Change.Military_t)$$

For all other organization units, FY25 targets for Total VMMC_CIRC are set as follows, rounding to the nearest integer:

$$VMMC\_CIRC_t = Targeted\ Host\ Country\ VMMC\_CIRC\_SUBNAT_t \times PEPFAR\ Coverage\ of\ Host\ Country\ VMMC\_CIRC\_SUBNAT_t$$

14.2.4 VMMC_CIRC Disaggregates (FY25)

In disaggregating total VMMC_CIRC for FY25 Targets, the Target Setting Tool will first set targets for those projected to have indeterminate HIV testing results or to deny testing, then targets for those identified positive, and finally those negative.

To set targets for Indeterminate/Not Tested, the Target Setting Tool will use the following formula, rounding to the nearest integer:

$$VMMC\_CIRC.Unk_t = VMMC\_CIRC_t \times Est.\ Indeterminate/Not\ Tested\ Rate_t$$

For VMMC_CIRC HIV Positive, the Target Setting Tool will set targets as follows, rounding to the nearest integer:

$$VMMC\_CIRC.Pos_t = (VMMC\_CIRC_t - VMMC\_CIRC.Unk_t) \times \text{Est. Positivity F}$$

And finally, VMMC_CIRC HIV Negative targets will be set as a remainder function, as follows:

$$VMMC\_CIRC.Neg_t = VMMC\_CIRC_t - VMMC\_CIRC.Unk_t - VMMC\_CIRC.$$

14.3 VMMC: Testing Rationalization

	AC	AD	AE	AF
Column Name				
UID	HTS_TST.Pos.T	HTS_TST.VMMC.Pos.T	HTS_TST.TB.New.Pos.T	HTS_TST.Total_Other.Pos.T

	AC	AD	AE	AF
Column Type?	reference	reference	reference	reference
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

14.3.1 DATIM Import

No data will be imported into DATIM from this section.

14.3.2 Instructions

1. Use this section of the VMMC tab to analyze how VMMC_CIRC HIV 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.
2. 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 VMMC_CIRC are warranted may prevent issues and additional work in other sections of the Target Setting Tool.
3. 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.