13 TB

13.1 TB: TB_STAT (D)

TB_STAT (D): Total number of new and relapsed TB cases, during the reporting period.

	F	G	H
Column Name			
UID	TB_STAT.D.T_1	TB_STAT.D.Growth.T	TB_STAT.D.T
Column Type?	past	assumption	target
What type of data?	integer	percentage	integer
Prepopulated data?	Y	N	N
Enter or modify data?	?	N	Y
Calculated column?	N	Y	Y
Linked column?	Y	Y	Y

13.1.1 DATIM Import

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

- **TB_STAT (D) (FY25)** $TB\_STAT.D.T$

13.1.2 Instructions

1. For historical context, review FY23 targets for TB_STAT (D), including in the Target Setting Tool reflective of data reported in DATIM.

2. Review and adjust the Estimated Change in Incidence to reflect most reliable projections of TB trends into FY24. This value defaults to 0%, though this should not be interpreted as a suggested epidemiological estimate. If the incidence of TB is expected to remain unchanged from FY23, this value should remain at 0%; if the incidence is expected to double, the cell should read “100%”.

3. Review FY24 Targets for TB_STAT (D) and return to step 2 to adjust driving assumptions as necessary. In the case services are planned in FY24 where these were not provided in FY23, you may manually enter FY24 targets in this column.

13.2 TB: TB_STAT (N)

TB_STAT (N): Number of new and relapsed TB cases with documented HIV status, during the reporting period.

	I	J	K	L
Column Name				
UID	TB_STAT.N.New.Pos.T_1	TB_STAT.N.Known.Pos.Rt.R	TB_STAT.N.Known.Pos.Rt.T	TB_STAT.N.New.Yield.R
Column Type?	past	calculation	assumption	calculation
What type of data?	integer	percentage	percentage	percentage
Prepopulated data?	Y	N	N	N
Enter or modify data?	?	N	N	N
Calculated column?	N	N	Y	N
Linked column?	Y	Y	Y	Y

	M	N	O	P
Column Name				
UID	TB_STAT.N.New.Yield.T	TB_STAT.N.T	TB_STAT.N.Known.Pos.T	TB_STAT.N.New.Pos.T
Column Type?	assumption	reference	target	target
What type of data?	percentage	integer	integer	integer

	M	N	O	P
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

	Q
Column Name	
UID	TB_STAT.N.New.Neg.T
Column Type?	target
What type of data?	integer
Prepopulated data?	N
Enter or modify data?	N
Calculated column?	Y
Linked column?	Y

13.2.1 DATIM Import

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

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

13.2.2 Instructions

1. Review historic data for TB_STAT (N): New Positives from FY23 Targets for context.
2. Review and adjust Targeted TB_STAT Coverage. This defaults to 100%, reflecting that 100% of new and relapsed TB cases know their HIV status, but this rate can be adjusted as needed. Red highlights indicate percentages over 100%; yellow highlights indicate percentages under 100%.

3. Review FY22 Results for (a) Estimated % TB clients with already Known HIV Positive status, and (b) Estimated Positivity Rate among Newly Tested TB clients.

4. Review FY24 projections for (a) Estimated % TB clients with already Known HIV Positive status, and (b) Estimated Positivity Rate among Newly Tested TB clients. These data default to remain static from FY22 results trends, but can be adjusted as necessary. Red highlights indicate percentages over 100%; yellow highlights indicate percentages different from FY22 results.

5. Review modeled targets for Total TB_STAT (N), Known HIV Status, Positive, Newly Tested, Positive, and Newly Tested, Negative, and return to steps 1-4 to adjust driving assumptions as needed. See below for additional information.

13.2.3 Total TB_STAT (N)

Total TB_STAT (N) targets are modeled as follows, rounding to the nearest integer:

$$TB\_STAT.N_t = TB\_STAT.D_t \times Targeted\ TB\_STAT\ Coverage_t$$

13.2.4 Known HIV Status, Positive

Known HIV Status, Positive targets are modeled as follows, rounding to the nearest integer:

$$TB\_STAT.N.KnownPos_t = TB\_STAT.N_t \times Estimated\ \%\ TB\ clients\ already\ Known\ HIV\ Positive_t$$

13.2.5 Newly Tested

Targets for TB_STAT (N): Newly Tested, Positive are modeled as follows, rounding to the nearest integer:

$$TB\_STAT.N.New.Pos_t = (TB\_STAT.N_t - TB\_STAT.N.KnownPos_t) \times \text{Estimated Positivity Rate among Newly Tested}_t$$

Based on these and targets for Known HIV Status, Positive, targets for Newly Tested, Negative are modeled as a remainder, as follows:

$$TB\_STAT.N.New.Neg_t = TB\_STAT.N_t - TB\_STAT.N.KnownPos_t - TB\_STAT.N.New.Pos_t$$

13.3 TB_STAT_ART: TB_ART

TB_ART: Proportion of HIV-positive new and relapsed TB cases on ART during TB treatment.

	R	S	T
Column Name			
UID	TB_STAT.Linkage.T	TB_ART.Already.T	TB_ART.New.T
Column Type?	reference	target	target
What type of data?	percentage	integer	integer
Prepopulated data?	N	N	N
Enter or modify data?	N	N	N
Calculated column?	Y	Y	Y
Linked column?	Y	Y	Y

13.3.1 DATIM Import

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

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

13.3.2 Instructions

1. Review Targeted ART Linkage Rate for linkage between TB_STAT (N) Newly Tested, Positive and TB_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 Already on ART and New on ART, returning to the previous sections for TB_STAT (D) and TB_STAT (N) to adjust driving assumptions.

13.3.3 Already on ART

For the purposes of COP21 target setting in the Target Setting Tool, FY24 targets for TB_ART Already on ART are set assuming that 100% of those TB clients with already known HIV positive status are already on ART. In other words, the following holds true in the Target Setting Tool:

$$TB\_ART.Already_t = TB\_STAT.N.KnownPos_t$$

13.3.4 New on ART

FY24 Targets for TB_ART New on ART are based largely on TB_STAT Newly Identified HIV positive TB clients as follows, rounding to the nearest integer:

$$TB\_ART.New_t = TB\_STAT.N.New.Pos_t \times \text{Targeted ART Linkage Rate}_t$$

13.4 TB: Testing Rationalization

	U	V	W	X
Column Name				
UID	HTS_TST.Pos.T	HTS_TST.TB.New.Pos.T	HTS_TST.PMTCT_STAT.New.Pos.T	HTS_TST.PostANC1.New.Pos.T
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

	Y	Z
Column Name		
UID	HTS_TST.VMMC.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

13.4.1 DATIM Import

No data from this section will be imported into DATIM.

13.4.2 Instructions

1. Use this section of the TB tab to analyze how TB_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, PMTCT_STAT, Post ANC1 testing, VMMC_CIRC, 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 TB_STAT 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.