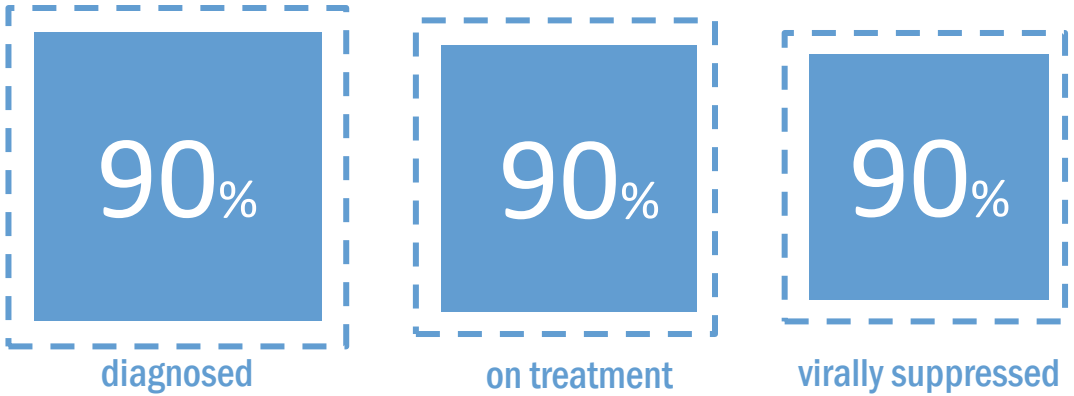
the data pack

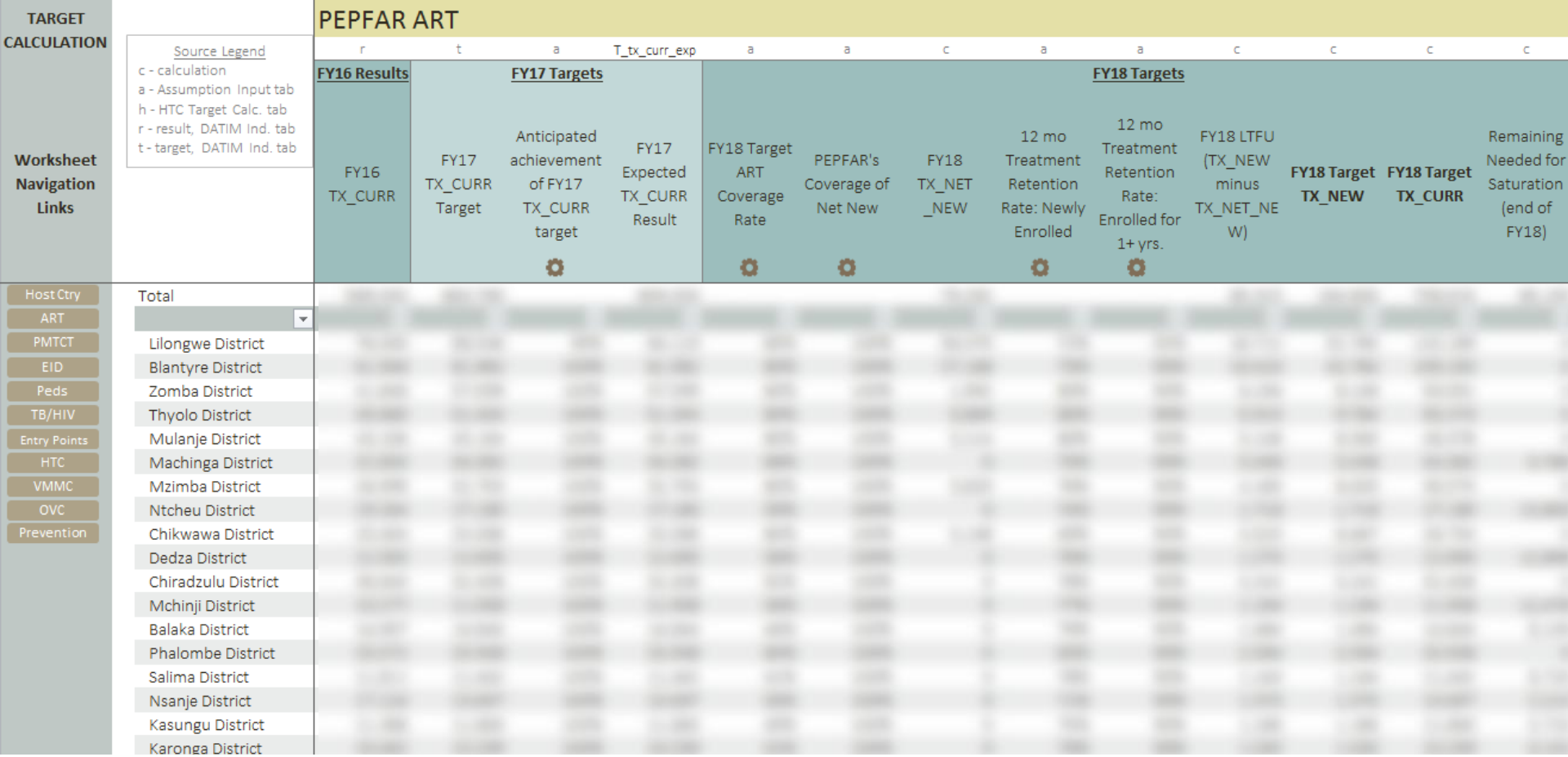
starting at square one

shanon heron/flickr

what's the data pack

- Excel-based targeting tool designed to help PEPFAR teams set targets in line with the 90-90-90 goals
- data packs are pre-populated with FY16 results, FY17 targets, PLHIV estimates, and assumptions for a series of key indicators, mostly along the clinical cascade





a quick look in

targeted indicators

GEND_GBV
HRH_PRE
HTS_TST [facility+community]
KP_MAT
KP_PREV [N]
LAB_PTCQI
LAB_PTCQI (POCT)
OVC_SERV
PMTCT_ART
PMTCT_EID
PMTCT_STAT [N+D]
PP_PREV [N]
PREP_NEW
TB_ART [N+D]
TB_PREV
TB_STAT [N+D]
TB_TX
TX_CURR
TX_NEW
TX_PVLS [N+D]
TX_RET [N+D]
VMMC_CIRC

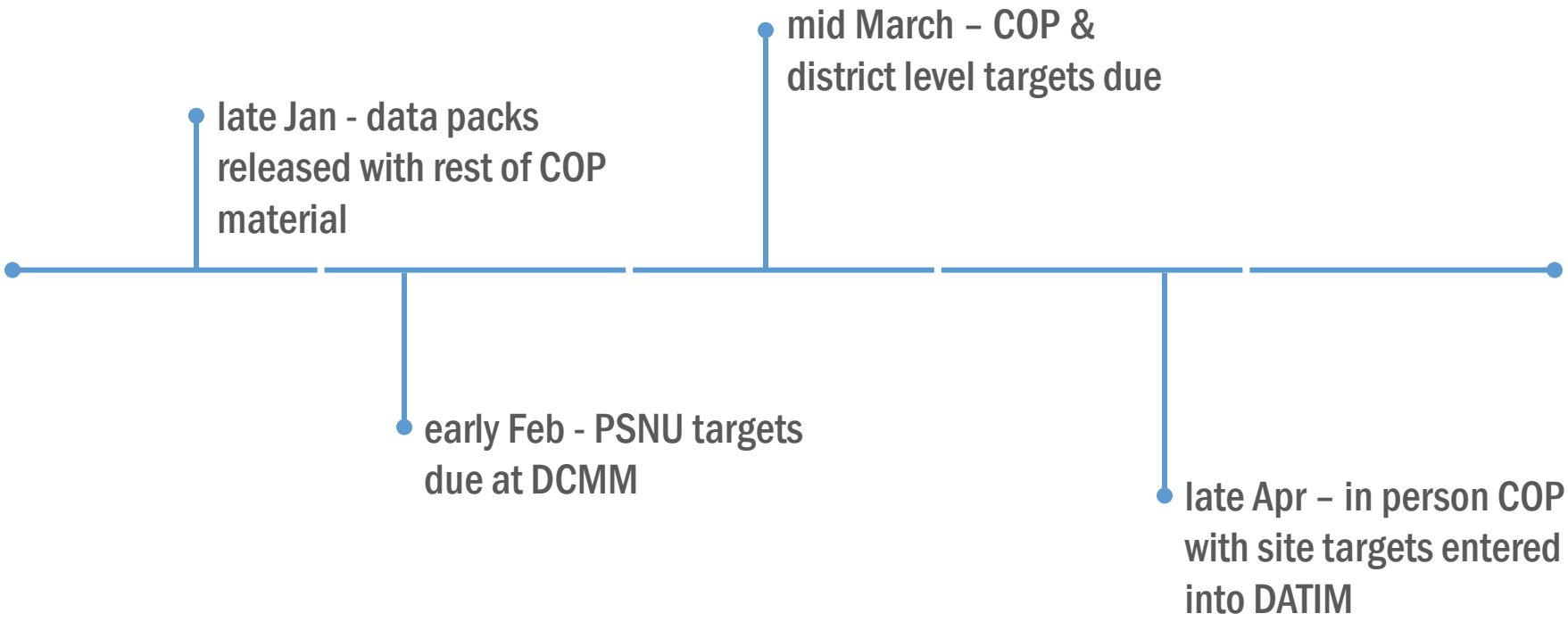
MER 2.0

targeted indicators

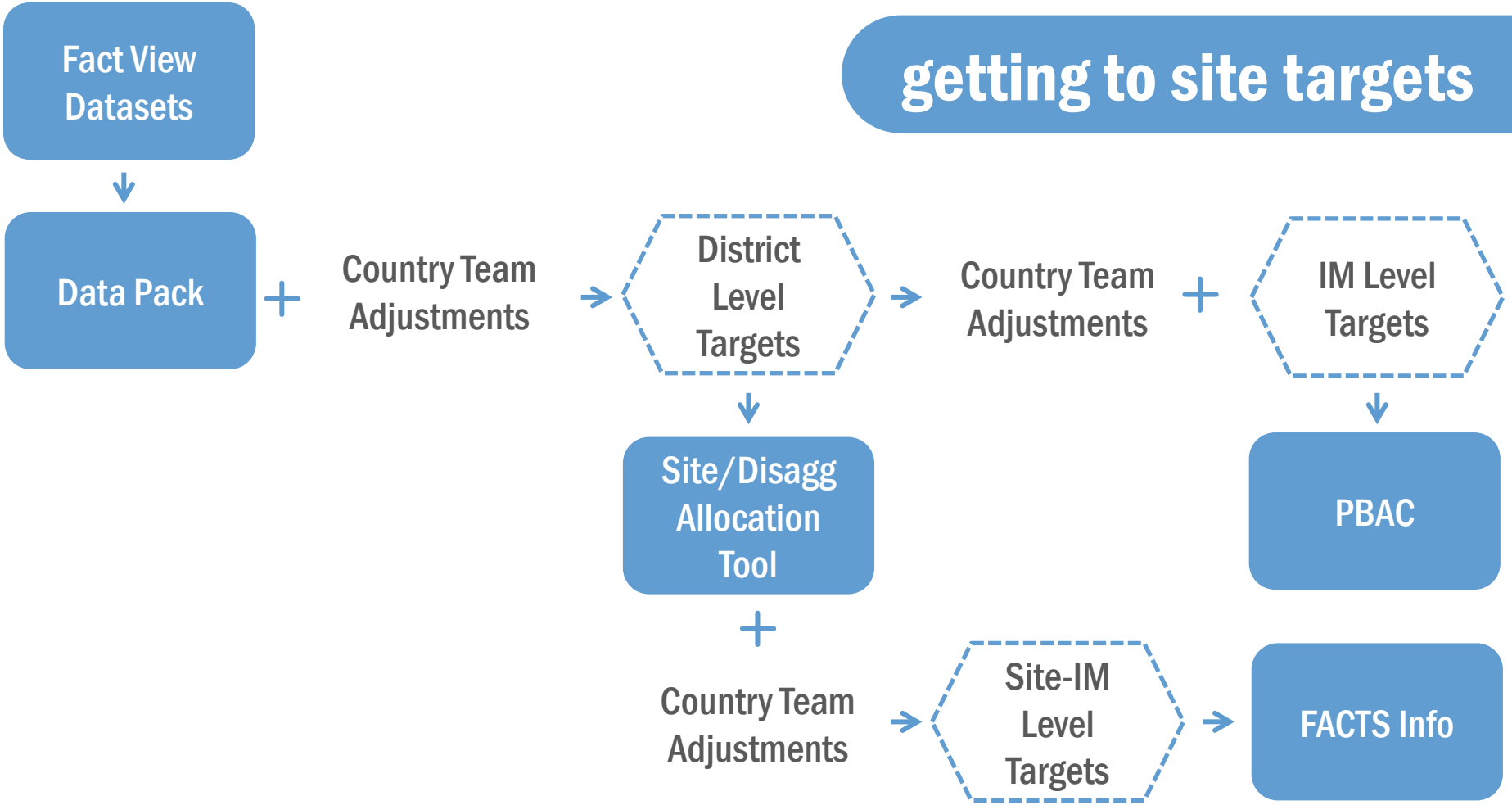
GEND_GBV
HRH_PRE
HTS_TST [facility+community]
KP_MAT
KP_PREV* [N]
LAB_PTCQI
LAB_PTCQI (POCT)
OVC_SERV
PMTCT_ART
PMTCT_EID
PMTCT_STAT [N+D]
PP_PREV * [N]
PREP_NEW
TB_ART [N+D]
TB_PREV
TB_STAT [N+D]
TB_TX
TX_CURR
TX_NEW
TX_PVLS [N+D]
TX_RET [N+D]
VMMC_CIRC

calculated in the Data Pack

timeline


late Jan - data packs released with rest of COP material
early Feb - PSNU targets due at DCMM
mid March – COP & district level targets due
late Apr – in person COP with site targets entered into DATIM

getting to site targets



country team process

- start with PLHIV estimates by PSNU

country team process

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- calculate ART coverage (national/host country program) for each SNU

country team process

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- calculate ART coverage (national/host country program) for each SNU
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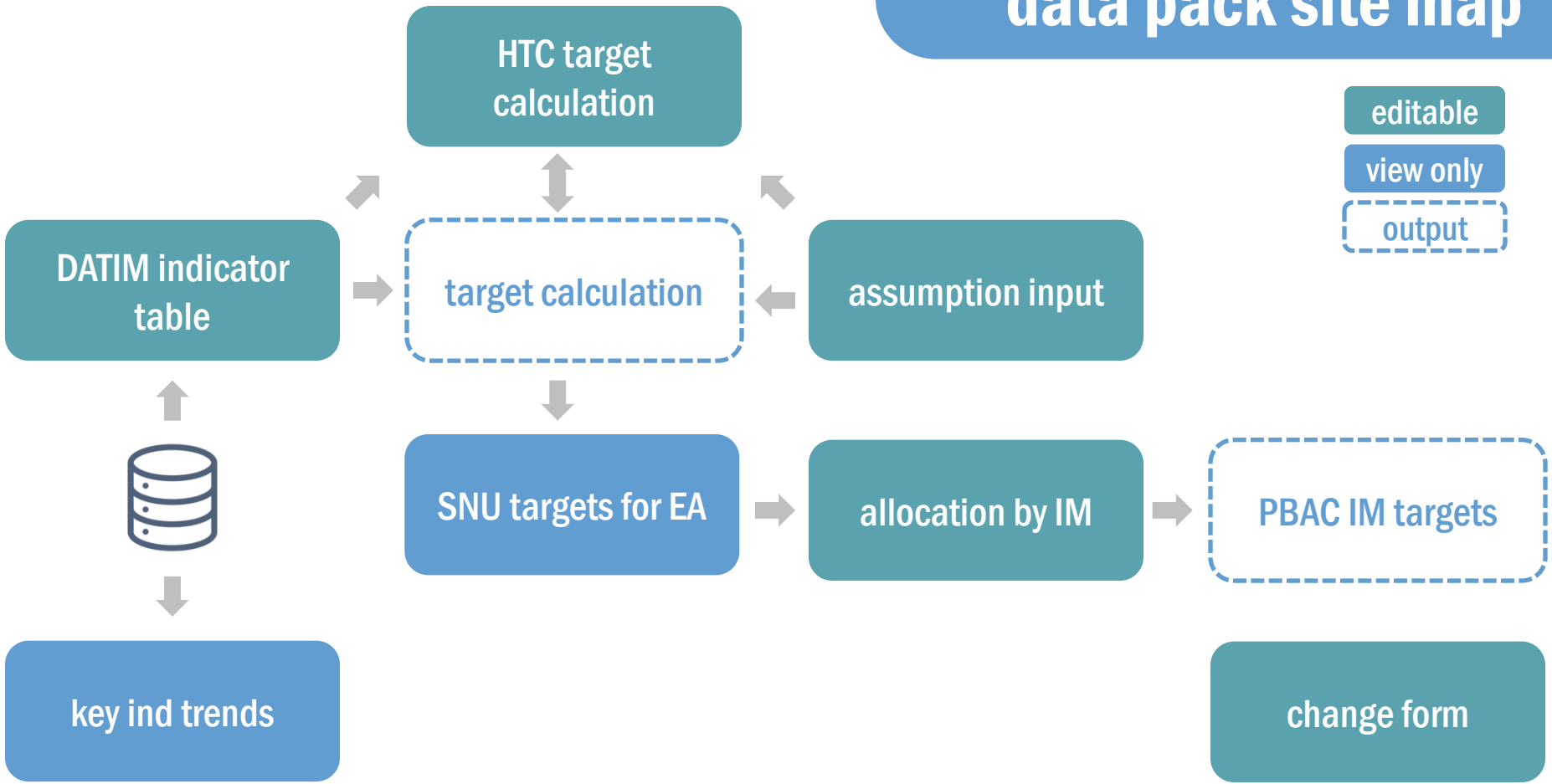
country team process

- start with PLHIV estimates by PSNU
- calculate ART coverage (national/host country program) for each SNU
- teams review and revise PSNU prioritization levels (attained, scale-up saturation/aggressive, sustained, central support)
- targeted SNU ART coverage levels are set based on previous coverage and PSNU; teams modify targeted SNU ART coverage levels
- based on ART targets (adult and pediatric), data pack calculates the number of HIV positive individuals that must be identified through HTS in order to reach ART targets

data pack site map



the ICPI Fact View PSNU dataset is munged to create a wide data format, with specific indicators, centered around the clinical cascade

iregion	regionuid	operatingunit	operatingu~d	countryname	snu1	snu1ui
Africa	KSkooYTy8FB	Angola	XOivy2uDpMF	Angola	_Military Angola	bSwiBL5Y
Africa	KSkooYTy8FB	Angola	XOivy2uDpMF	Angola	_Military Angola	bSwiBL5Y
Africa	KSkooYTy8FB	Angola	XOivy2uDpMF	Angola	_Military Angola	bSwiBL5Y
Africa	KSkooYTy8FB	Angola	XOivy2uDpMF	Angola	_Military Angola	bSwiBL5Y
Africa	KSkooYTy8FB	Angola	XOivy2uDpMF	Angola	_Military Angola	bSwiBL5Y
Africa	KSkooYTy8FB	Angola	XOivy2uDpMF	Angola	_Military Angola	bSwiBL5Y
Africa	KSkooYTy8FB	Angola	XOivy2uDpMF	Angola	_Military Angola	bSwiBL5Y
Africa	KSkooYTy8FB	Angola	XOivy2uDpMF	Angola	_Military Angola	bSwiBL5Y
Africa	KSkooYTy8FB	Angola	XOivy2uDpMF	Angola	_Military Angola	bSwiBL5Y
Africa	KSkooYTy8FB	Angola	XOivy2uDpMF	Angola	_Military Angola	bSwiBL5Y
Africa	KSkooYTy8FB	Angola	XOivy2uDpMF	Angola	_Military Angola	bSwiBL5Y
Africa	KSkooYTy8FB	Angola	XOivy2uDpMF	Angola	_Military Angola	bSwiBL5Y
Africa	KSkooYTy8FB	Angola	XOivy2uDpMF	Angola	_Military Angola	bSwiBL5Y
Africa	KSkooYTy8FB	Angola	XOivy2uDpMF	Angola	_Military Angola	bSwiBL5Y
Africa	KSkooYTy8FB	Angola	XOivy2uDpMF	Angola	_Military Angola	bSwiBL5Y
Africa	KSkooYTy8FB	Angola	XOivy2uDpMF	Angola	_Military Angola	bSwiBL5Y
Africa	KSkooYTy8FB	Angola	XOivy2uDpMF	Angola	_Military Angola	bSwiBL5Y
Africa	KSkooYTy8FB	Angola	XOivy2uDpMF	Angola	_Military Angola	bSwiBL5Y
Africa	KSkooYTy8FB	Angola	XOivy2uDpMF	Angola	_Military Angola	bSwiBL5Y
Africa	KSkooYTy8FB	Angola	XOivy2uDpMF	Angola	_Military Angola	bSwiBL5Y
Africa	KSkooYTy8FB	Angola	XOivy2uDpMF	Angola	_Military Angola	bSwiBL5Y
Africa	KSkooYTy8FB	Angola	XOivy2uDpMF	Angola	_Military Angola	bSwiBL5Y
Africa	KSkooYTy8FB	Angola	XOivy2uDpMF	Angola	Military Angola	bSwiBL5Y

start with the PSNU by IM Fact View data set...

```
htc_tst_u15 = fy2016apr
      IF
          indicator=="HTC_TST"
      &   disaggregate=="Age/Sex/Result"
      &   inlist(age, "<01", "01-04", "05-09","10-14")
      &   numeratordenom=="N"
```

...create a wide dataset with modified indicators...

DATIM IND. TABLE

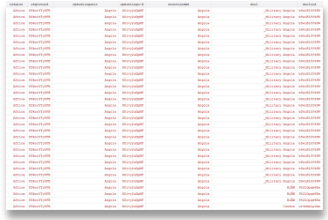
Worksheet Navigation Links

SNU1 | Priority | HTC | HTC: Service Delivery Point

Level Above Priority SNU	SNU Priority	FY16 HTC_TST	FY16 HTC_TST_POS	FY16 HTC_TST <15	FY16 HTC_TST_POS <15	FY16 HTC_TST <15 Yield	FY16 HTC SDP: Inpatient Neg	FY16 HTC SDP: HIV Care and Treatment Clinic Neg	FY16 HTC SDP: Outpatient Department Neg	FY16 HTC SDP: Tuberculosis Neg	FY16 HTC SDP: VMMC Neg	FY16 HTC SDP: Other PITC SDP Neg	FY16 HTC SDP: [illegible] based
snulist	snu1	priority_snu	htc_tst	htc_tst_pos	htc_tst_u15	htc_tst_u15_	htc_tst_u15_	htc_tst_spd_	htc_tst_spd_	htc_tst_spd_	htc_tst_spd_	htc_tst_spd_	htc_tst_spd_	htc_ts
Total														
Lilongwe District	Central Region													
Blantyre District	Southern Region													
Zomba District	Southern Region													
Thyolo District	Southern Region													
Mulanje District	Southern Region													
Machinga District	Southern Region													
Mzimba District	Northern Region													
Ntcheu District	Central Region													
Chikwawa District	Southern Region													
Dedza District	Central Region													
Chiradzulu District	Southern Region													
Mchinji District	Central Region													
Balaka District	Southern Region													
Phalombe District	Southern Region													
Salima District	Central Region													
Nsanje District	Southern Region													
Kasungu District	Central Region													
Karonga District	Northern Region													
Nkhata Bay District	Northern Region													
Dowa District	Central Region													
Nkhotakota District	Central Region													
Neno District	Southern Region													
Rumphi District	Northern Region													
Ntchisi District	Central Region													

SNU1
Priority
HTC
HTC: SDP
Key Pop
OVC
PLHIV
Pop
PMTCT
Priority Pop
TB
TX
VMMC

...finish with a wide dataset where each row is a district



STATA®

Microsoft® Visual Basic® for Applications

INTERAGENCY COLLABORATIVE FOR PROGRAM IMPROVEMENT

COP 17 TARGETING TOOL

updated: January 18

MALAWI

the munged dataset is used as the base for each OU specific data pack, and populated into a tab for use and country team edits

DATIM indicator table

DATIM IND. TABLE

Worksheet Navigation Links

- SNU1
- Priority
- HTC
- HTC: SDP
- Key Pop
- OVC
- PLHIV
- Pop
- PMTCT
- Priority Pop
- TB
- TX
- VMMC

TX

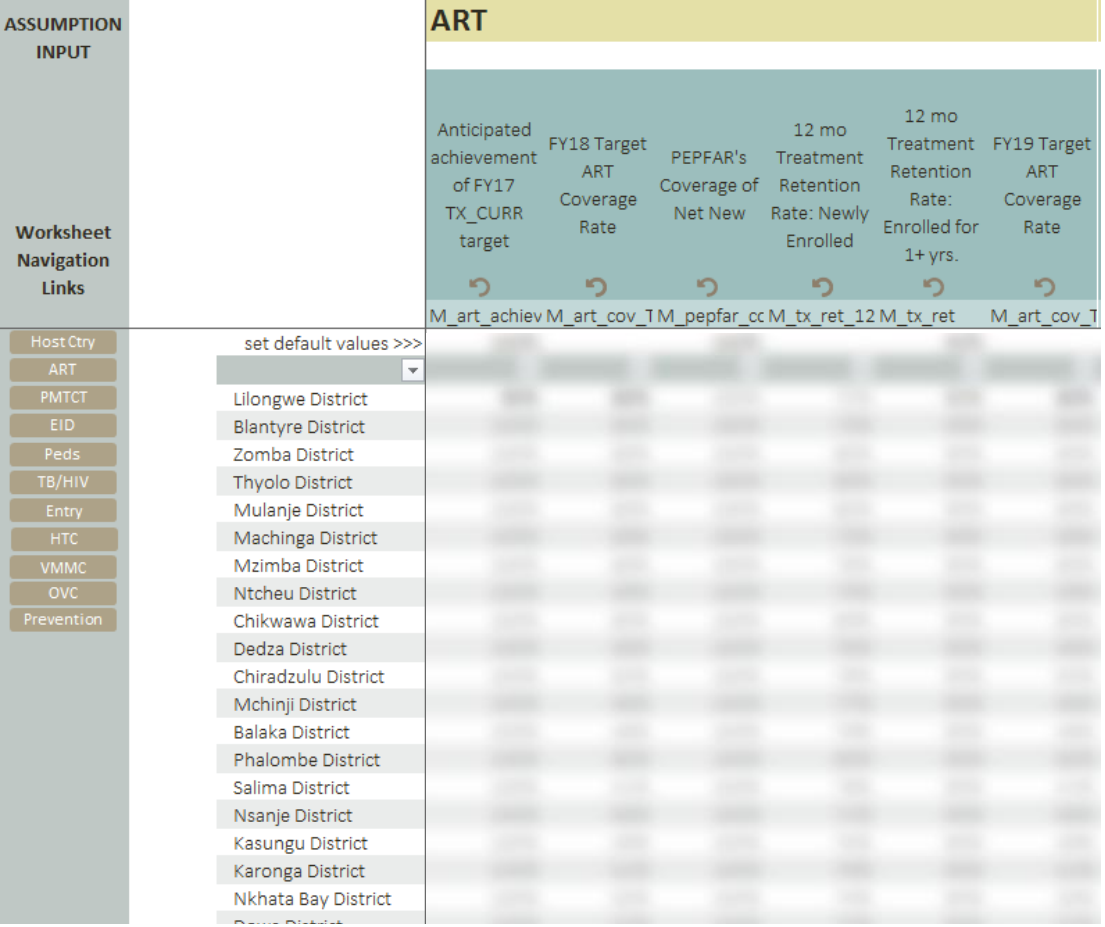
snulist	FY16 TX_CURR	FY17 Target TX_CURR Target	FY16 TX_CURR <15	FY17 Target TX_CURR <15 Target	FY17 Target TX_CURR >15 Target	FY16 TX_CURR_SUBNAT <15	FY16 TX_CURR_SUBNAT	FY16 TX_NEW <1	FY17 Target TX_NEW <1 Target	FY16 TX_RET Denom	FY16 TX_RET	FY16 TX_RET <15 Denom	FY16 TX_RET Yield
	tx_curr	tx_curr_T	tx_curr_u15	tx_curr_u15_	tx_curr_o15_	tx_curr_subn	tx_curr_subn	tx_new_u1	tx_new_u1_T	tx_ret_D	tx_ret	tx_ret_u15_D	tx_ret_yi
Total													
Lilongwe District													
Blantyre District													
Zomba District													
Thyolo District													
Mulanje District													
Machinga District													
Mzimba District													
Ntcheu District													
Chikwawa District													
Dedza District													
Chiradzulu District													
Mchinji District													
Balaka District													
Phalombe District													
Salima District													
Nsanje District													
Kasungu District													
Karonga District													
Nkhata Bay District													
Dowa District													

country team makes edits to inputs

the other main area for country input and review is on the assumptions tab. the table has been prepopulated TWG guided assumptions at the PSNU level. country teams must review and make PSNU specific updates here

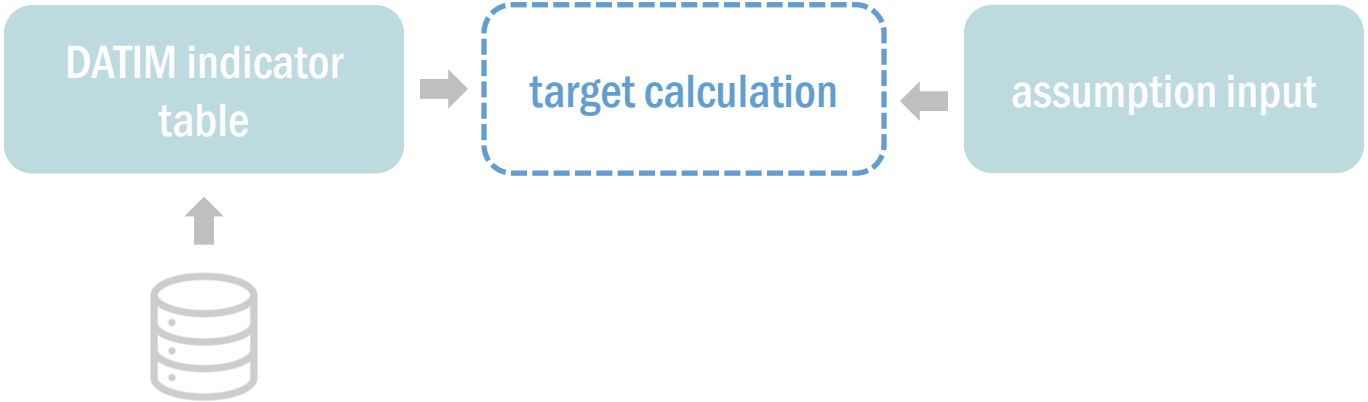
DATIM indicator table

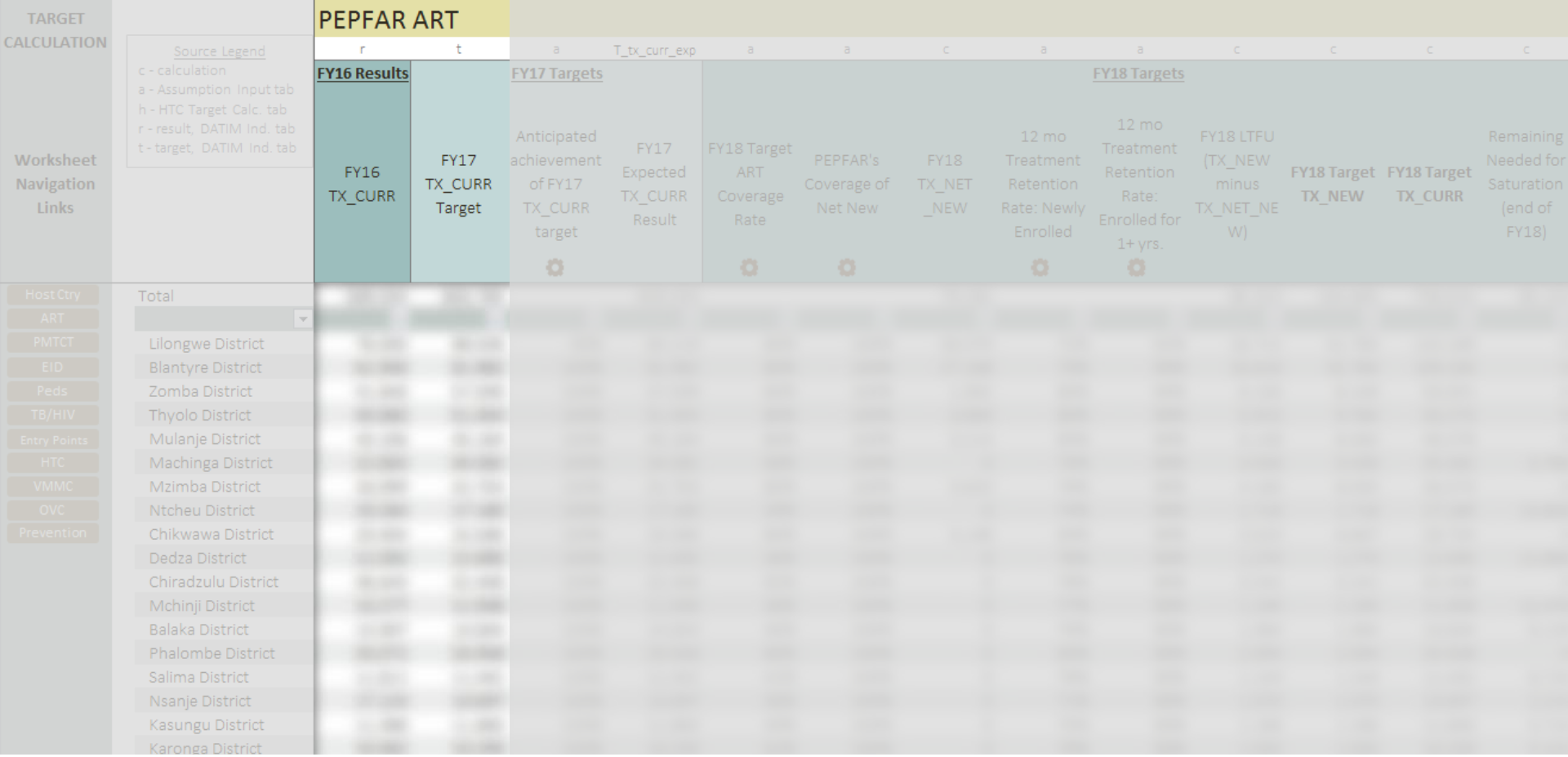
assumption input



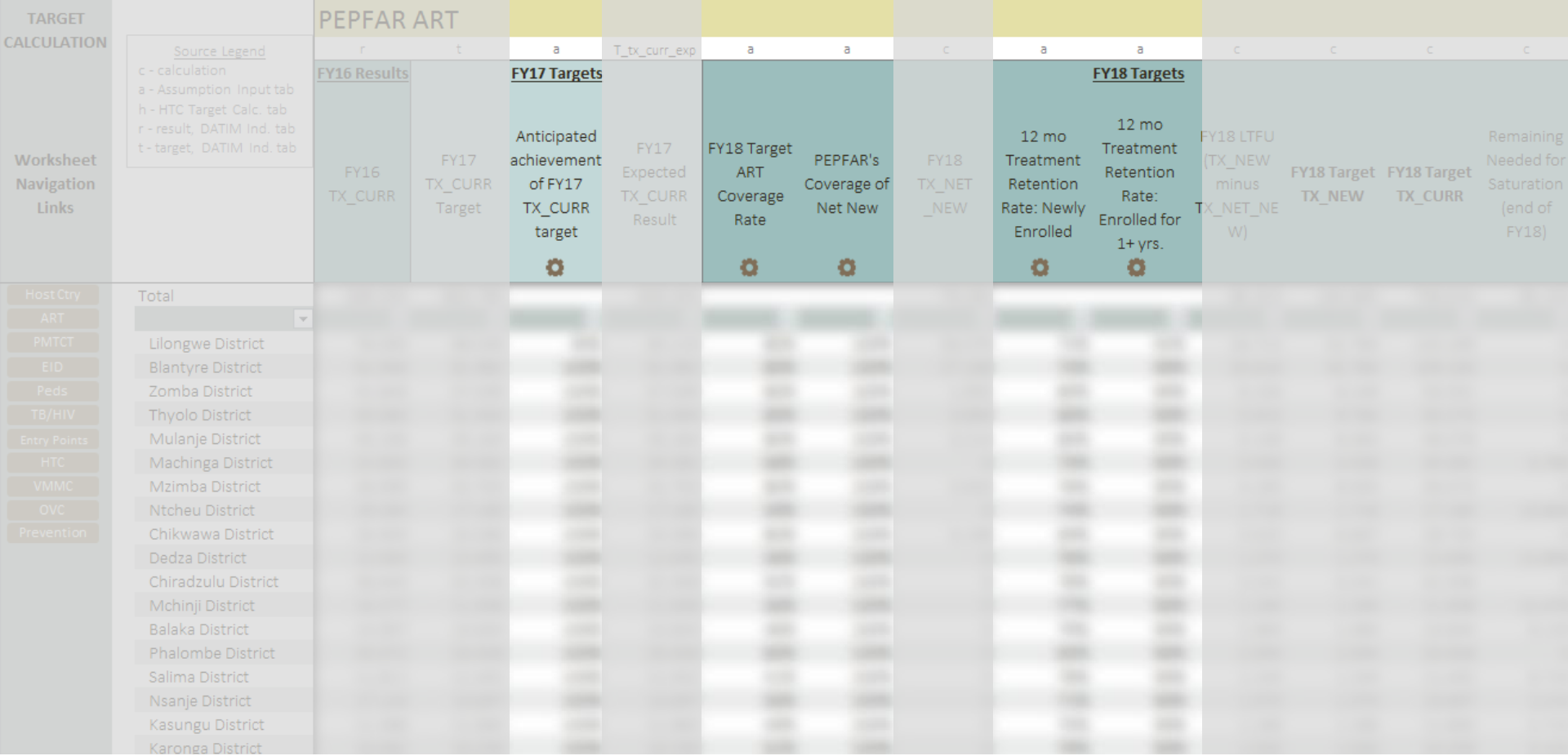
assumptions made at the district level for ART

both the munged and updated Fact View data as well as the updated assumptions then feed into the target setting tab/process around each key indicator and/or program area

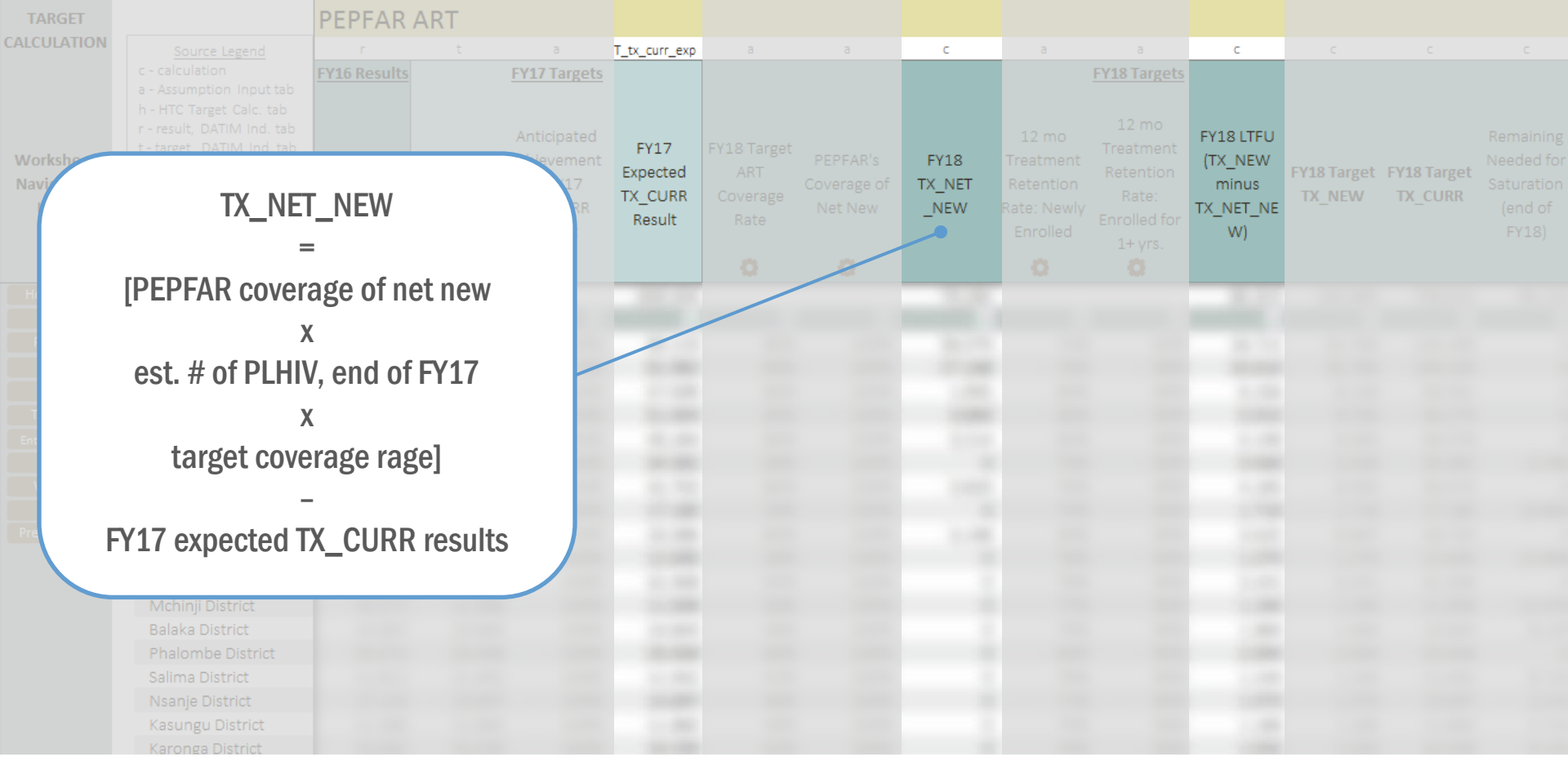




results + assumptions + calculations = targets



results + **assumptions** + calculations = targets



TX_NET_NEW

=

[PEPFAR coverage of net new

x

est. # of PLHIV, end of FY17

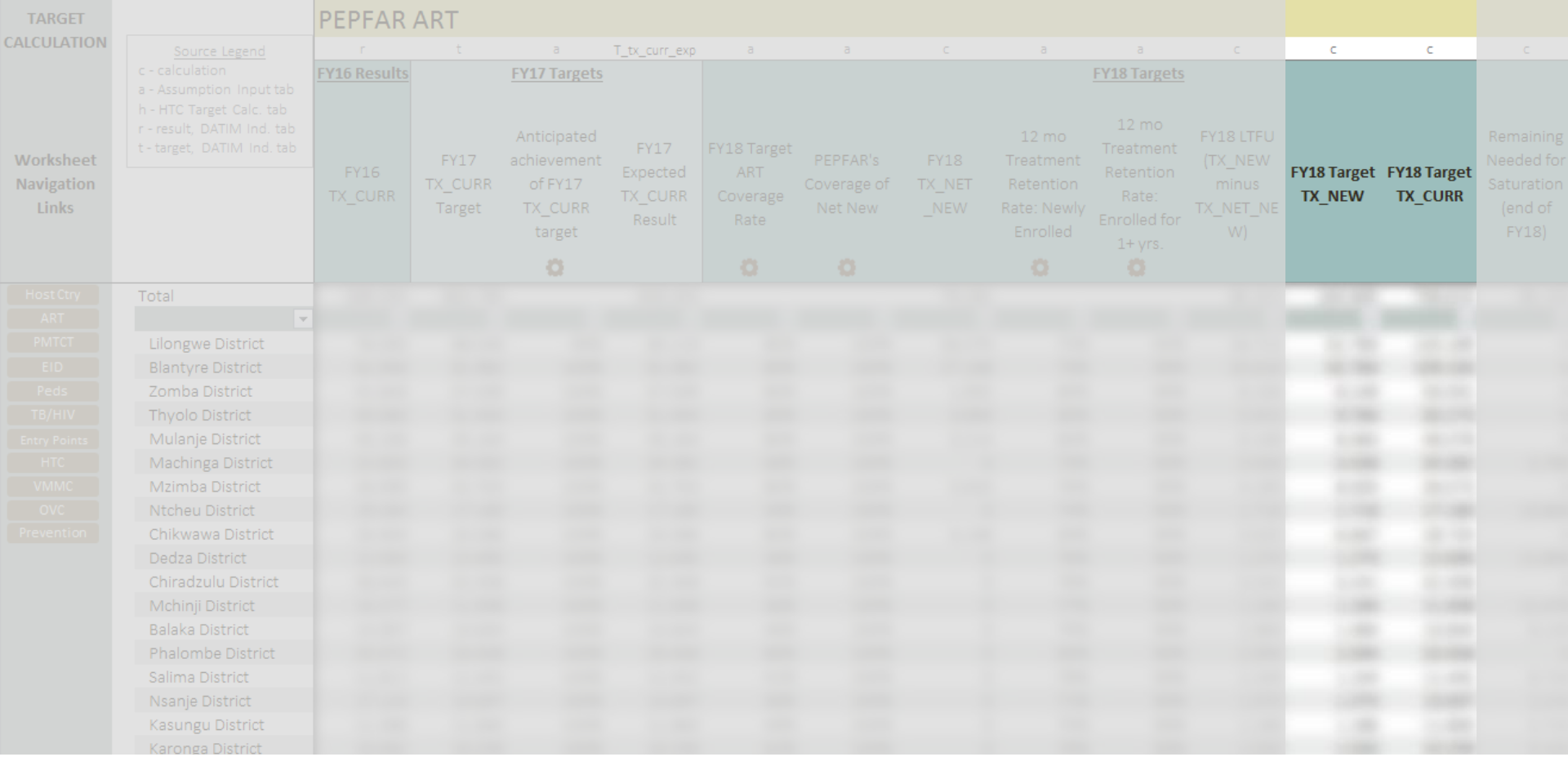
x

target coverage rage]

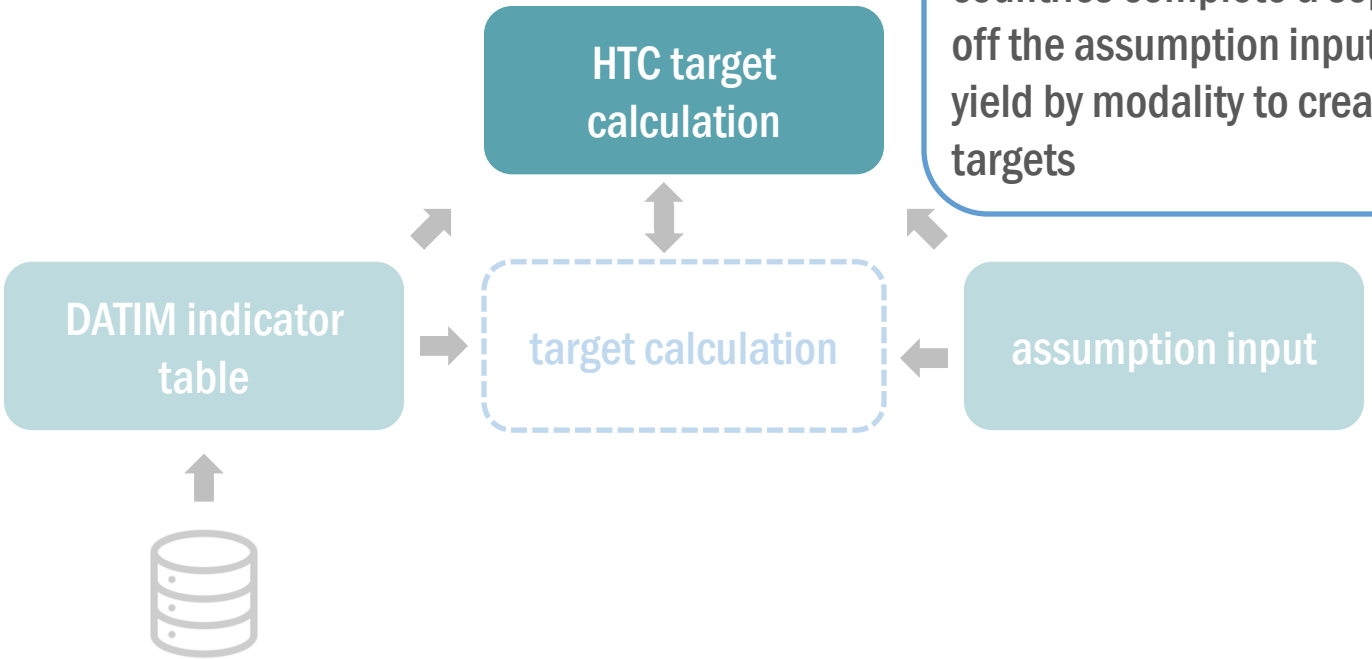
–

FY17 expected TX_CURR results

results + assumptions + **calculations** = targets



results + assumptions + calculations = **targets**



due to the complexity of the HTS disaggregates, countries complete a separate HTS table that builds off the assumption inputs, allocation of testing, and yield by modality to create adult and peds testing targets

HTC TARGET CALCUATION

Worksheet Navigation Links

- Targets
- Adult Distro
- Adult Yield
- Ad. Targets
- Peds Distro
- PedsYield
- Pd. Targets

ADULT DISTRIBUTION OF POSITIVE TESTS

snu_htc	PITC					CBTC				VCT	
	Index Testing	Inpatient Serices	Tuberculosis	VMMC	Other PITC	Home-based	Index Testing	Mobile	Other Community	VCT co-located	VCT standalone
Total											
Lilongwe District											
Blantyre District											
Zomba District											
Thyolo District											
Mulanje District											
Machinga District											
Mzimba District											
Ntcheu District											
Chikwawa District											
Dedza District											
Chiradzulu District											
Mchinji District											
Balaka District											
Phalombe District											
Salima District											
Nsanje District											
Kasungu District											
Karonga District											

HTS allocations by district

HTC TARGET CALCUATION

Worksheet Navigation Links

Targets
Adult Distro
Adult Yield
Ad. Targets
Peds Distro
PedsYield
Pd. Targets

ADULT YIELD

snu_htc	PITC					CBTC				VCT	
Total	Index Testing	Inpatient Serices	Tuberculosis	VMMC	Other PITC	Home-based	Index Testing	Mobile	Other Community	VCT co-located	VCT standalone
Lilongwe District											
Blantyre District											
Zomba District											
Thyolo District											
Mulanje District											
Machinga District											
Mzimba District											
Ntcheu District											
Chikwawa District											
Dedza District											
Chiradzulu District											
Mchinji District											
Balaka District											
Phalombe District											
Salima District											
Nsanje District											
Kasungu District											
Karonga District											

HTS positivity by district

HTC TARGET CALCUATION

Worksheet Navigation Links

Targets
Adult Distro
Adult Yield
Ad. Targets
Peds Distro
PedsYield
Pd. T

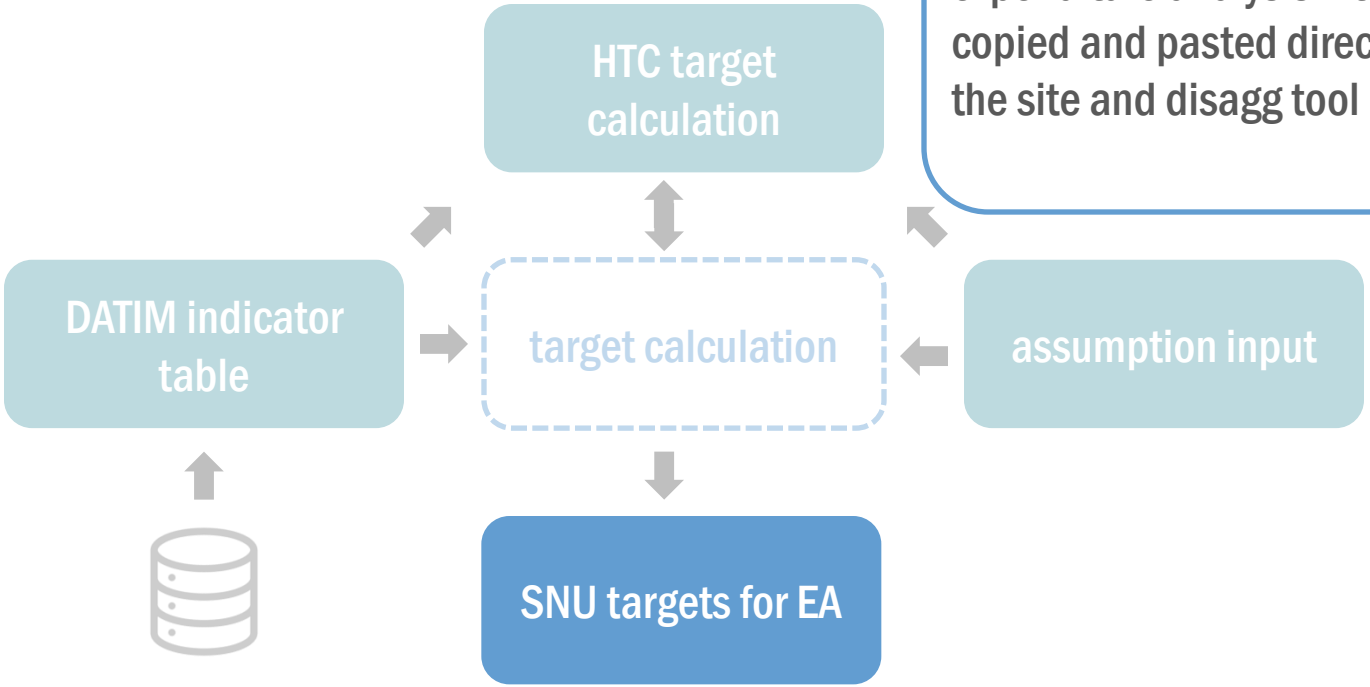
COP17 ADULT SDP TARGETS

snu_htc	PITC					CBTC				VCT	
	Index Testing	Inpatient Serices	Tuberculosis	VMMC	Other PITC	Home-based	Index Testing	Mobile	Other Community	VCT co-located	VCT standalone
Total											
Lilongwe District											
Blantyre District											
Zomba District											
Karonga District											

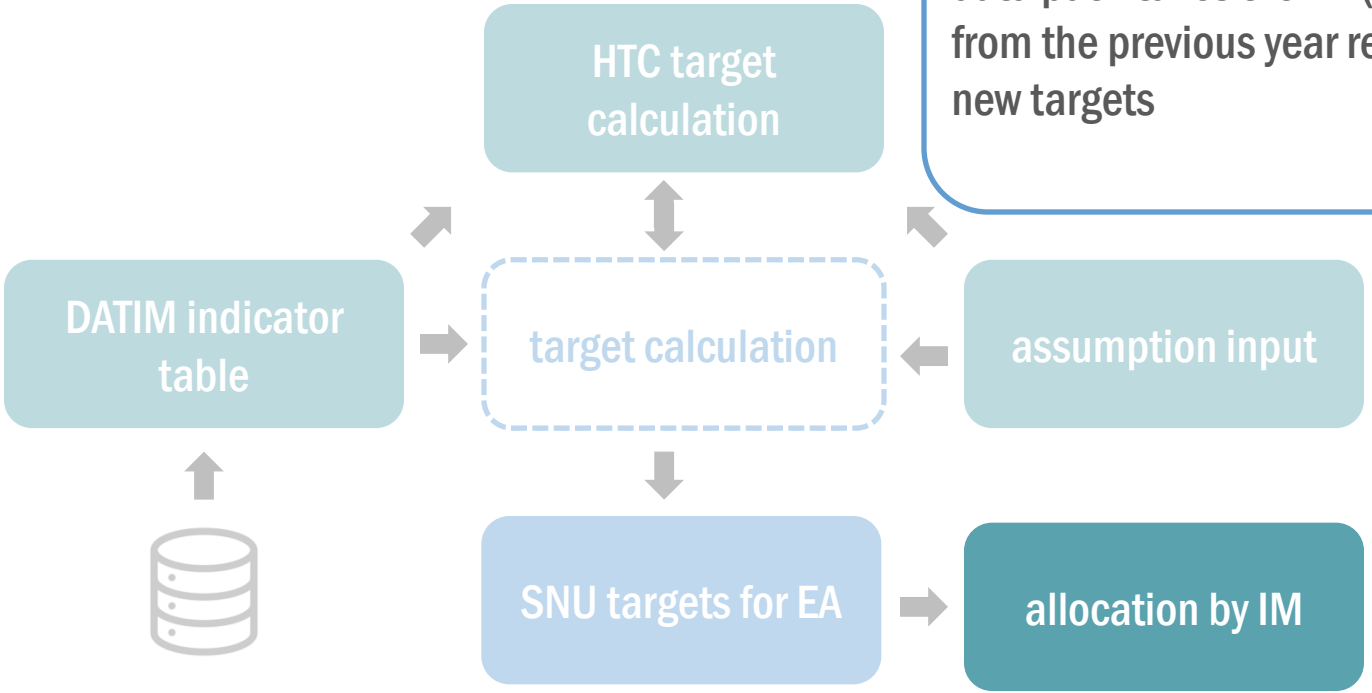
TB HTS target
=
[total district positives to identify
x
distribution of TB to total district tests]
÷
TB positivity

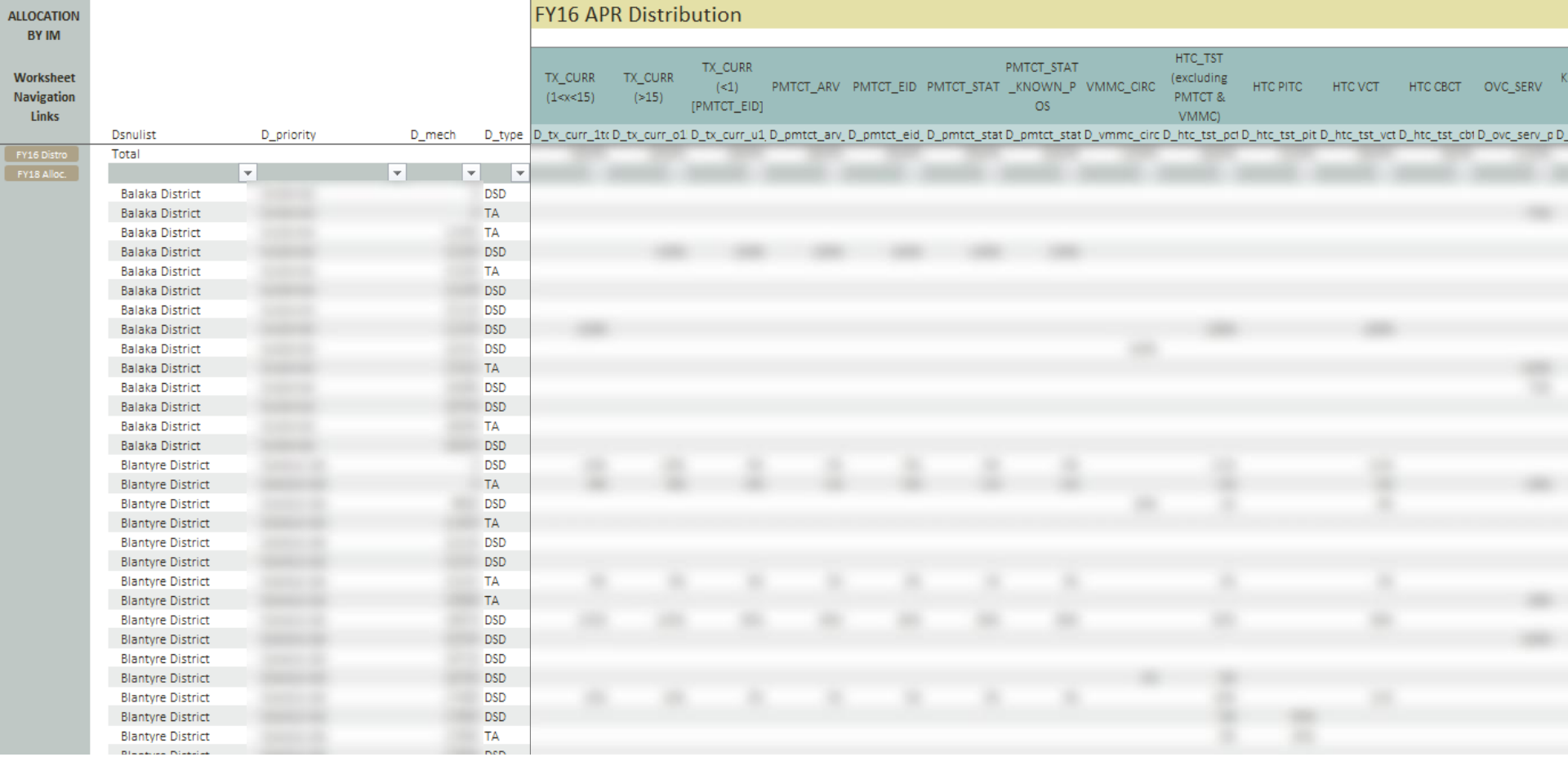
HTS adult targets

this tab pulls the calculated targets necessary for expenditure analysis into a clean table, which will be copied and pasted directly into the PBAC as well as the site and disagg tool



in order to get psnu targets down to the IM level, the data pack takes the IM (and dedup) distribution from the previous year results and multiplies it by the new targets





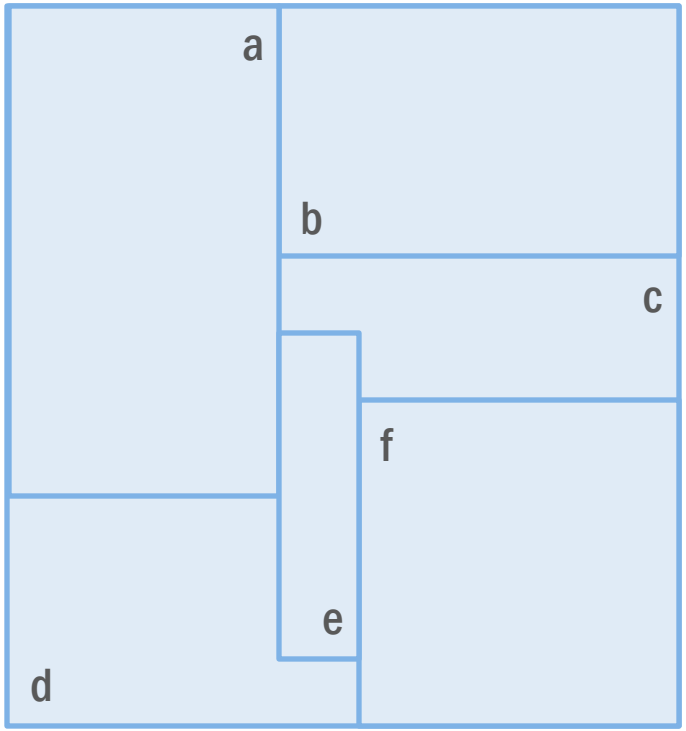
a peak into the IM distribution tab

pepfarlandia

allocation by IM

let’s assume we’re working in pepfarlandia

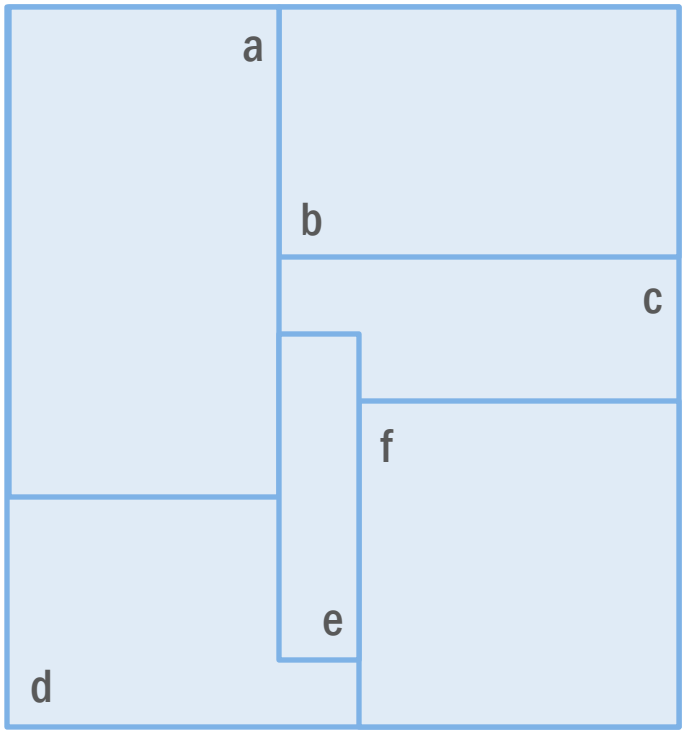
pepfarlandia



allocation by IM

which has six districts

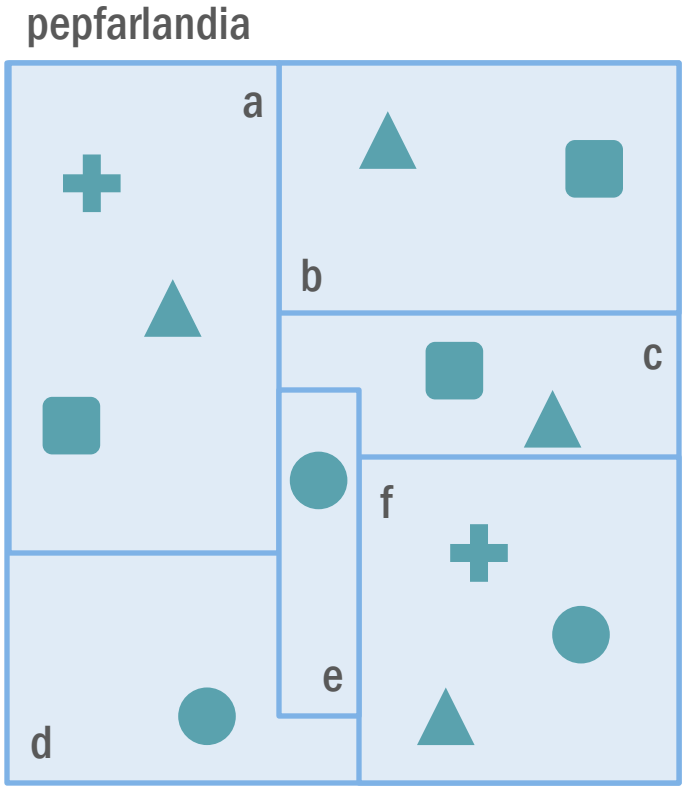
pepfarlandia



allocation by IM

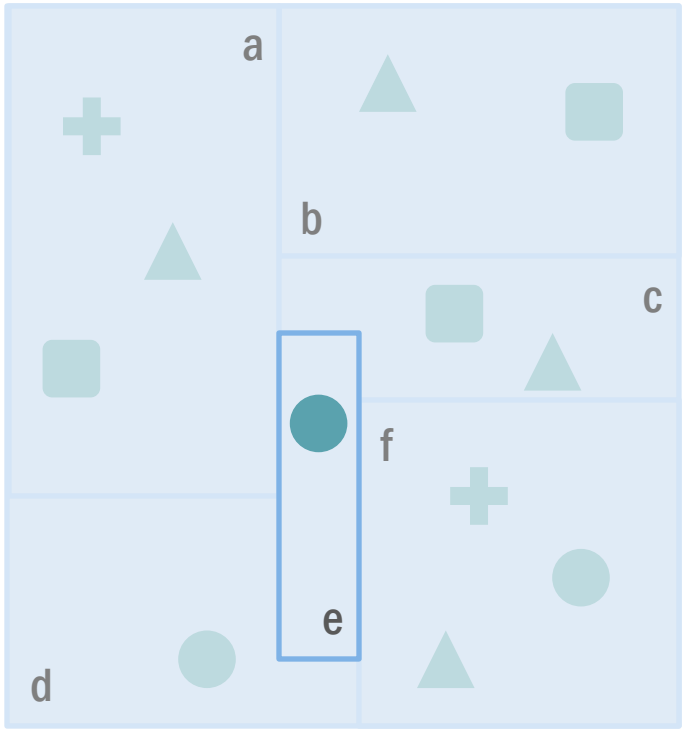
and four distinct IMs

allocation by IM



working across the country

allocation by IM

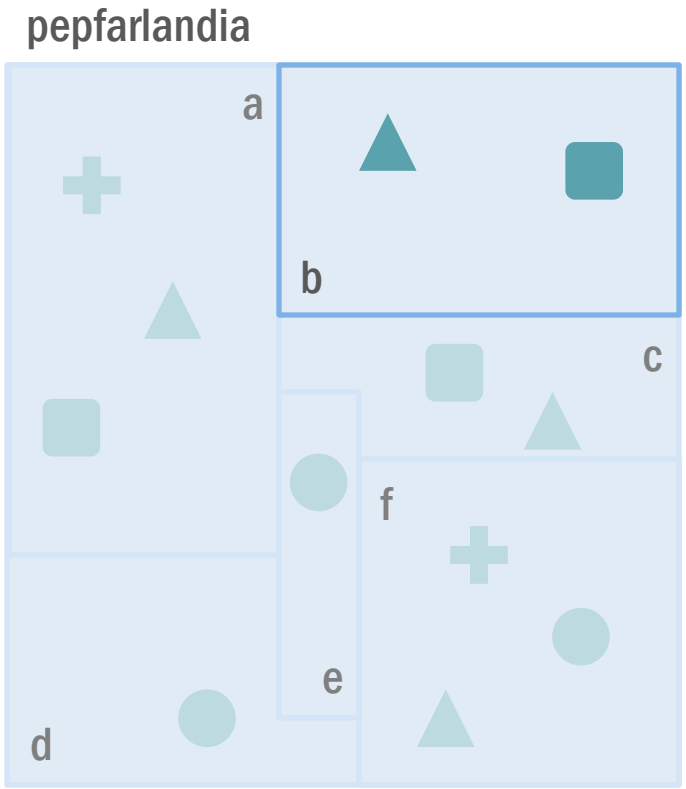


district e

snu target	im	results distribution	im target
200 tests	●	100%	200 tests
		100%	200 tests

it's easy to figure things out with one mechanism in a snu

allocation by IM



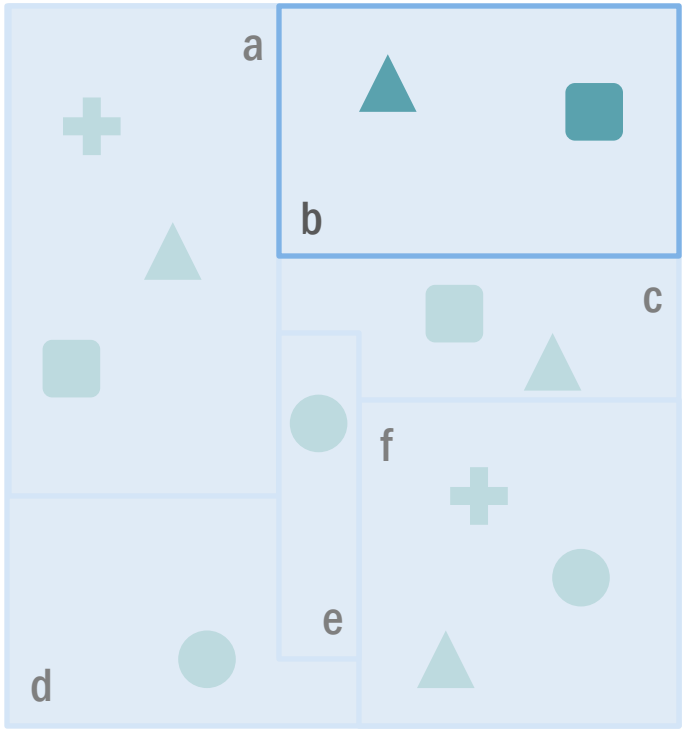
district b

snu target	im	results distribution	im target
800 tests	▲	70%	560 tests
	■	30%	240 tests
		100%	800 tests

but is more challenging with multiple mechanisms

allocation by IM

pepfarlandia

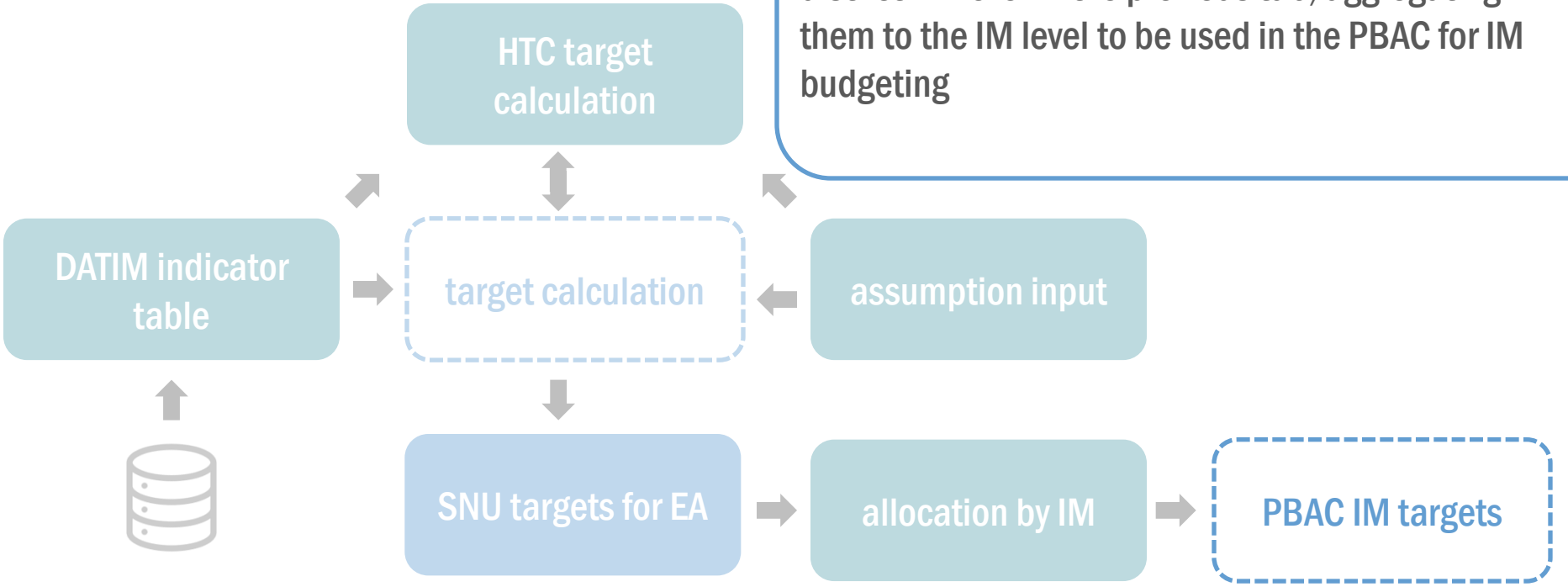


district b

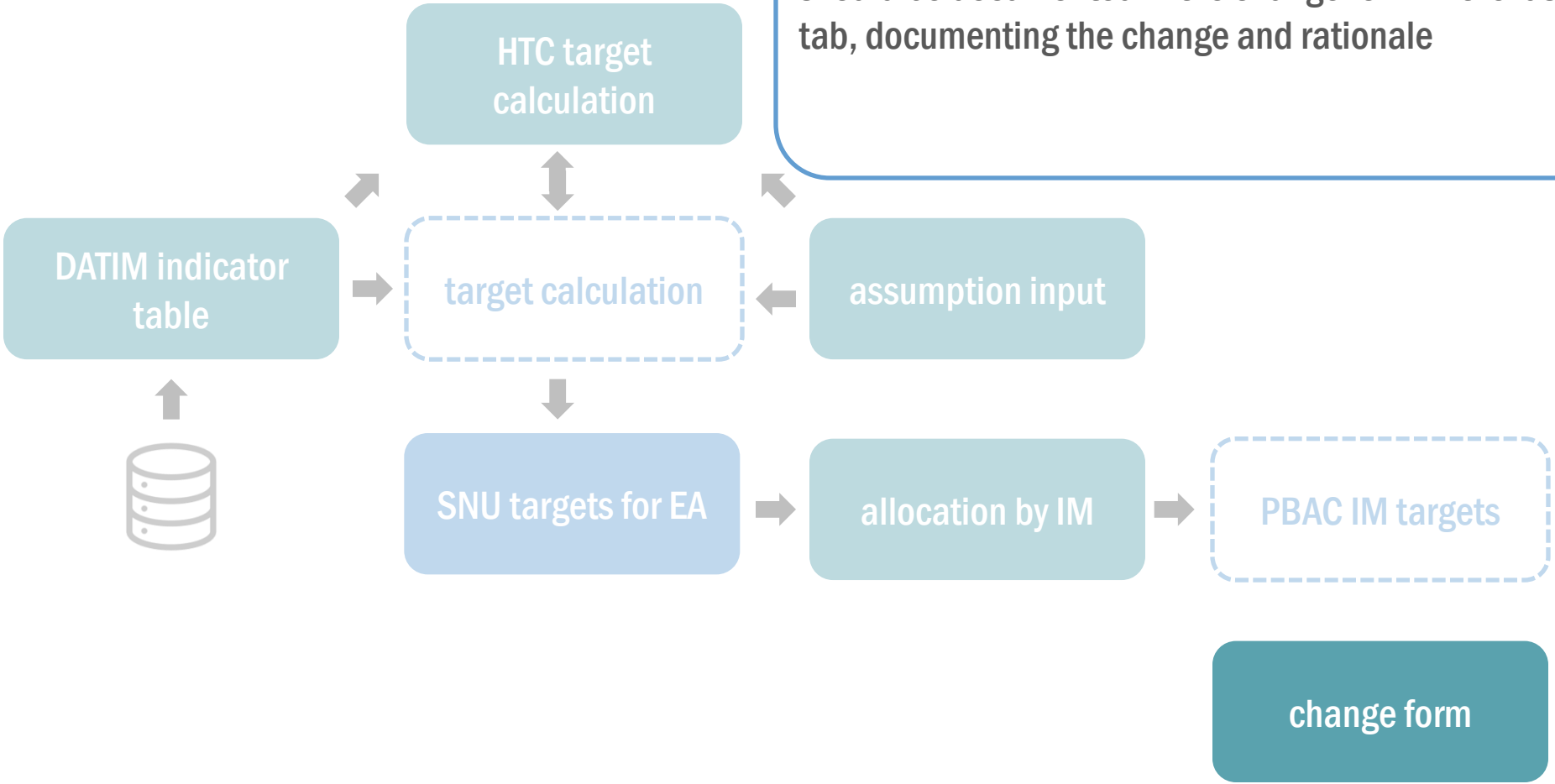
snu target	im	results distribution	im target
800 tests	▲	70%	560 tests
	■	40%	320 tests
	✖	-10%	-80 tests
		100%	800 tests

and more challenging with dedups

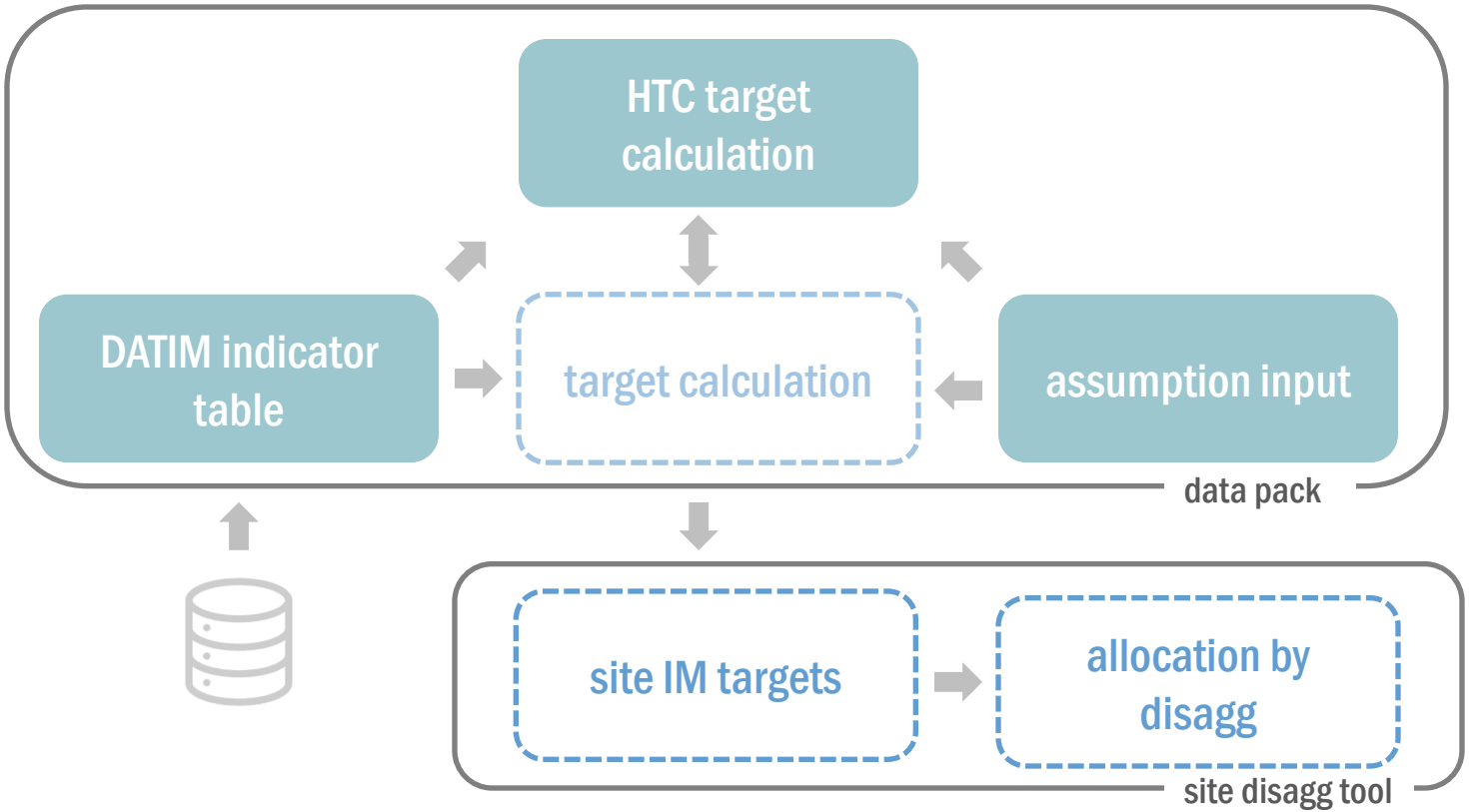
the PBAC tab takes the targets allocated at the district-IM level in the previous tab, aggregating them to the IM level to be used in the PBAC for IM budgeting



lastly, any changes made throughout the data pack should be documented in the change form in the last tab, documenting the change and rationale



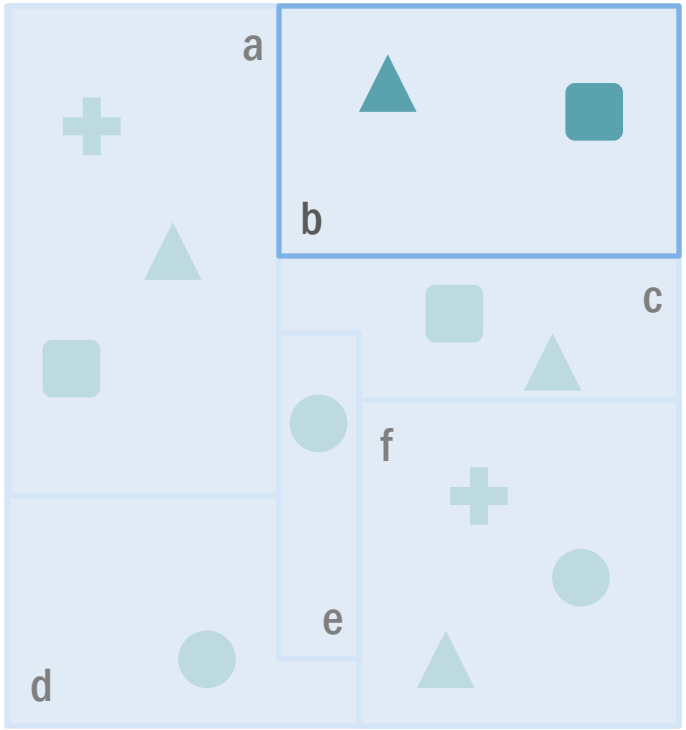
site disagg targeting



allocation by IM

recap

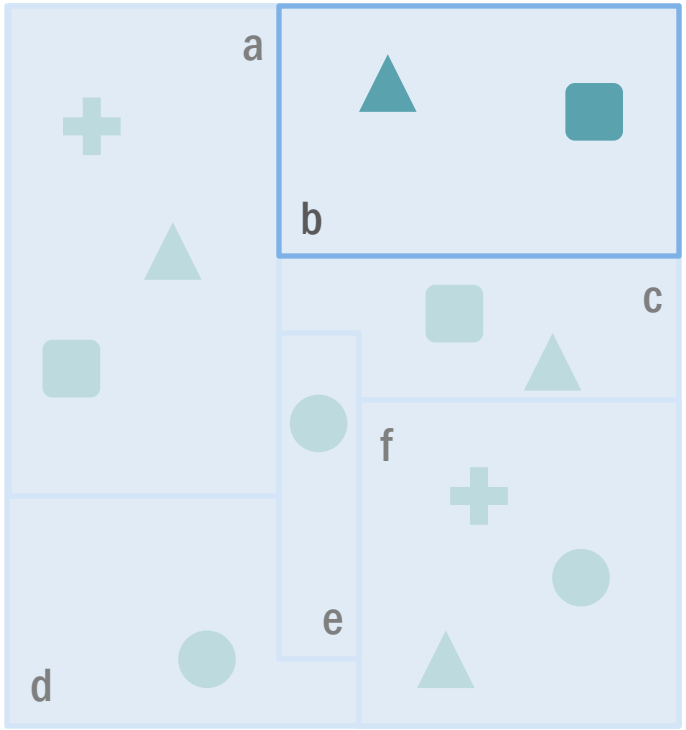
pepfarlandia



district b

snu target	im	results distribution	im target
800 tests	▲	70%	560 tests
	■	30%	240 tests
		100%	800 tests

pepfarlandia



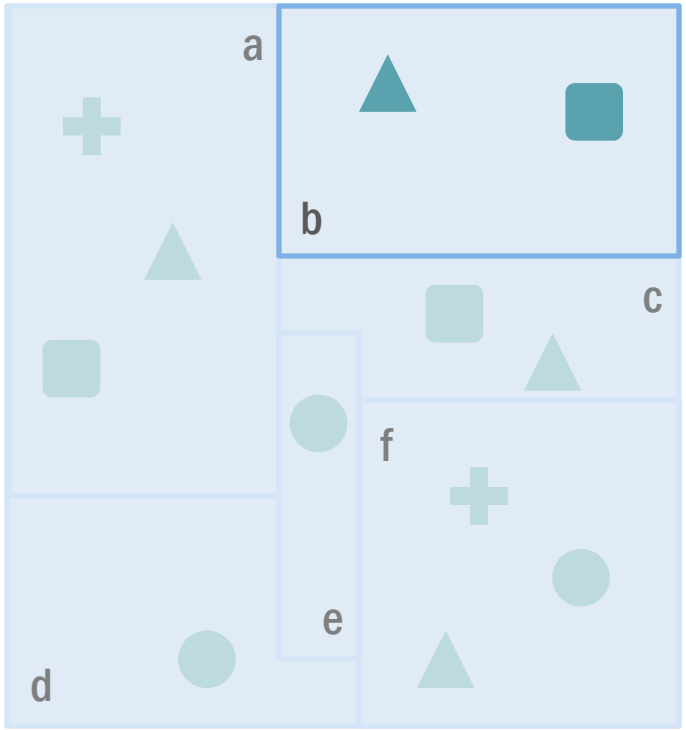
allocation by IM and site

step 1

district b

snu target	im site	results distribution	im site target	
800 tests	▲ 1	20%	160 tests	560 tests 70%
	▲ 2	20%	160 tests	
	▲ 3	30%	240 tests	
	■ 1	20%	160 tests	240 tests 30%
	■ 2	10%	80 tests	
		100%	800 tests	

pepfarlandia



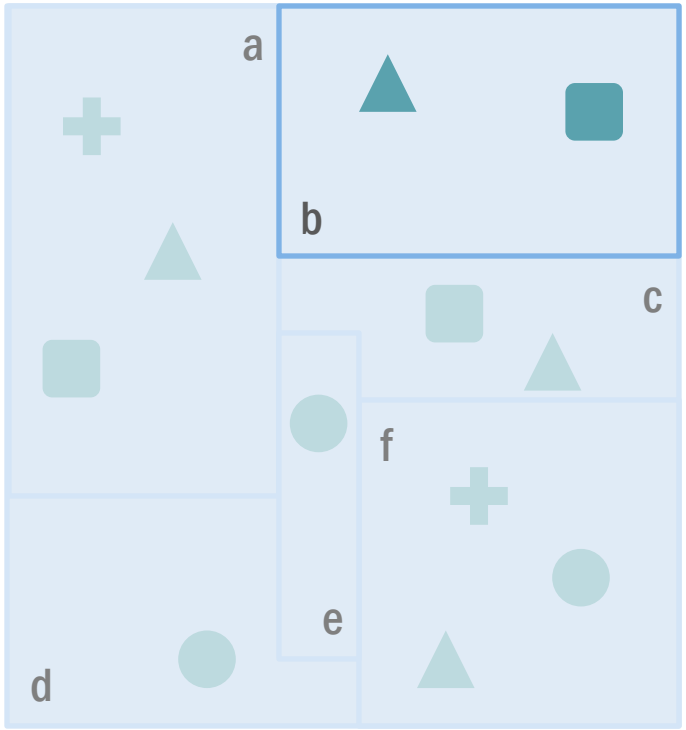
allocation by IM and site

step 1

district b

snu target	im site	results distribution	im site target	
800 tests	▲ 1	20%	160 tests	560 tests 70%
	▲ 2	20%	160 tests	
	▲ 3	30%	240 tests	
	■ 1	20%	160 tests	240 tests 30%
	■ 2	10%	80 tests	
		100%	800 tests	

pepfarlandia



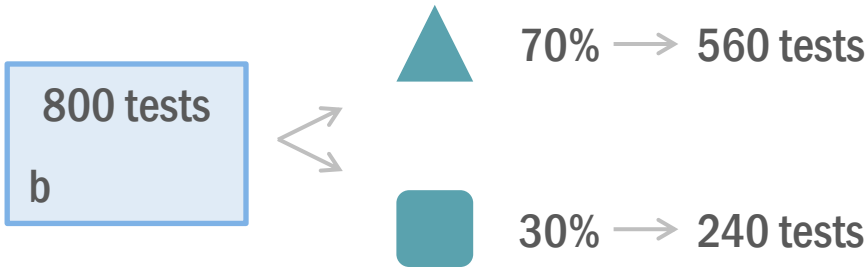
allocation by IM and site

step 2

district b, ▲ 1

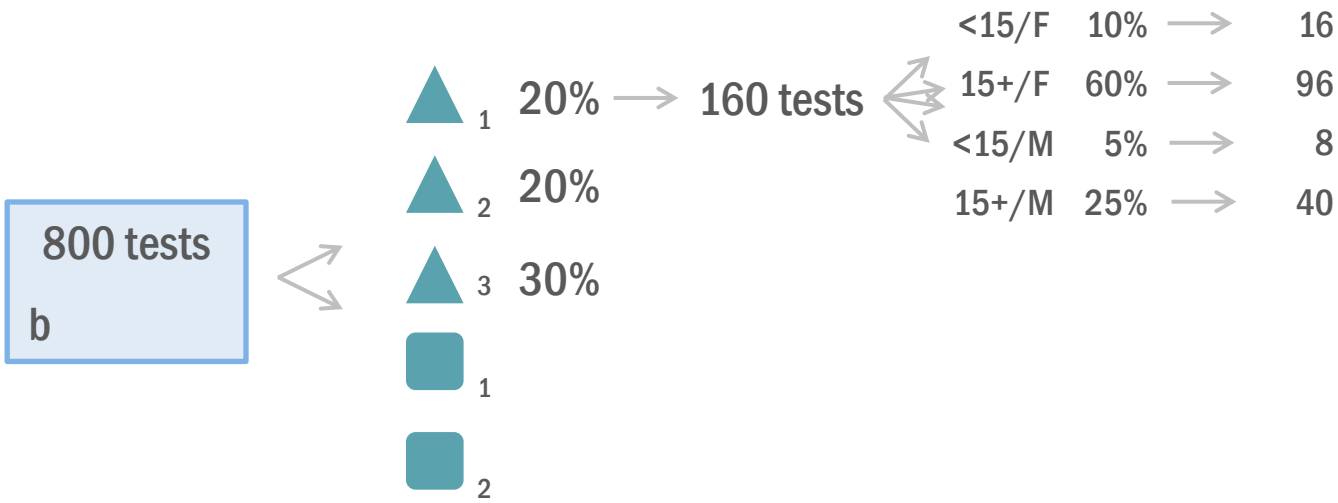
im site target	modality	results distribution	im site modality target
160 tests	index	20%	32
	inpatient	10%	16
	TB		
	VMMC		
	mobile		
	VCT	70%	112
		100%	160

allocation by IM



visualizing another way

allocation by IM and site



considerations

- ease of use/user experience
- underlying purpose
- time v. effort for country team, HQ, and partners
- feasibility
- nimbleness v. rigidity

the end