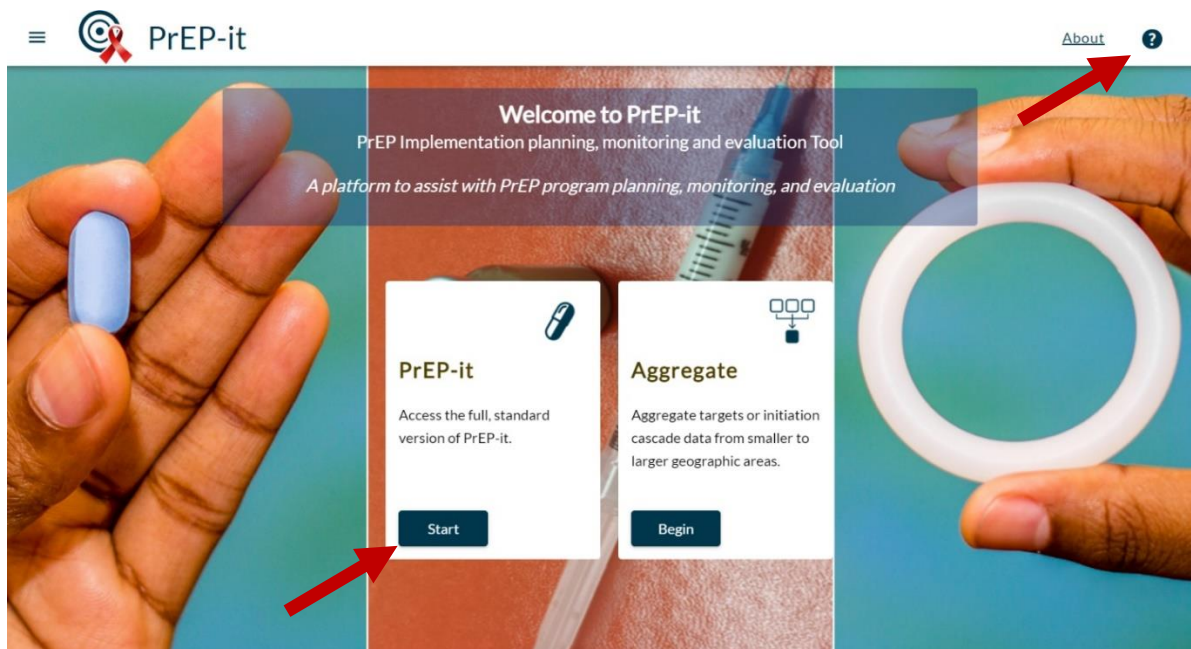# QUICK GUIDE 3: Estimating oral PrEP targets for a new program with a concentrated epidemic and forecasting needed commodities

What you need to prepare to use PrEP-it for this purpose:

Required	Ideal but optional
List of priority populations indicated for PrEP (e.g., SDCs, MSM) Population size, HIV prevalence and percent indicated for PrEP for each priority population (defaults provided for SDCs, AGYW, MSM, FSW, and PWID) Population by subnational units for ages 15+	Proportion of PrEP clients continuing PrEP use at months 1, 3, 6, and 12 after initiation (defaults are provided)

1. Go to PrEPitWeb.org and click on **Start** button in the box on the left under "PrEP-it"**.** On this page, note the Help menu indicated by the **"?"** in the upper right-hand corner. Throughout the tool, the **?** menu will provide guidance and further details for each step.

2. On **Getting started**, first use the dropdown list to select your country.

Togo ▼

For question 1, select "No".

1. Initiation cascade: do you want to analyze screening, eligibility, uptake rates and other past program data? This is not required for target-setting.

○ Yes ● No

For question 2, select "Set targets based on coverage". Select "No" for the question on uploading the number of clients initiated.

2. How would you like to set targets? ⓘ

● Set targets based on coverage.

○ Enter existing targets manually.

○ Do not set targets

Will you upload number of clients initiated? Past initiations are used in target setting, if available.

○ Yes ● No

For question 3, select "AGYW are not included in this exercise".

3. Do you want to provide biomedical prevention to AGYW everywhere, or focus prevention for AGYW on hotspots? ⓘ

○ Everywhere

○ Hotspots

● AGYW are not included in this exercise

For question 4, you should select "Disaggregate your targets geographically" and "Forecast prevention product needs".

4. What features of PrEP-it do you want to use in this session?

☐ Estimate the **costs** of your targets

☐ Estimate the **impact** of your targets

☑ **Disaggregate** your targets geographically

☑ **Forecast prevention product** needs

3. Specify up to two geographic subnational levels that you will disaggregate your targets by (e.g., region, district, county). If only one level is needed, you can leave the second blank. Then, click on the *Generate data template* button.

Specify up to two subnational levels. ⓘ

Level 1

Region   Level 2
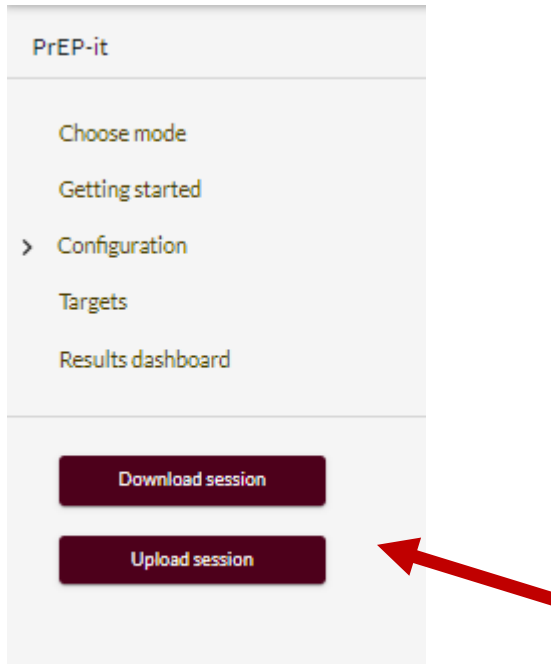

Generate data template

Upload data template

Save the Excel template to your computer and go to the "Subnational areas" tab. Enter the age 15+ population for each subnational area. In the template, you can enter several inputs in the tool and save them for future applications. Only the population data on the "Subnational areas" sheet is required for this particular application.

Instructions: Please specify subnational area names for Level 1 and Level 2. If you plan to disaggregate your targets subnationally, specify the population aged 15+ for each area.

Region		Population 15+
Centrale		490,612
Kara		611,360
Maritime		2,064,458
Plateaux		1,091,931
Savanes		657,640

Once completed, click on the *Upload data template* button to read the data into PrEP-it. When the data are uploaded, a pop-up box will confirm the data are loaded. Click *OK* on this box.

4. At any time while you are working, you can download this PrEP-it session using the ***Download session*** button on the left-hand panel and save it to your computer to save your work. Note that your inputs are not saved "in the cloud;" this is the only way to save them. Later, you can upload the session using the ***Upload session*** button to further review results or make changes. You can also share the saved files with colleagues so they can upload them to review or to provide further input.

5. When you get to **Configuration**, you should complete these steps from top to bottom, starting by clicking on **Priority populations** and then completing the following steps:

- Unclick the box of any of the default priority populations you are NOT providing PrEP to. In this hypothetical example, Togo is setting PrEP targets for MSM and FSW.

- If you have additional priority populations not listed among the default populations, click on the ***Manage custom priority populations*** button and click ***Add*** on the pop-up for custom priority populations. Here you can add rows and indicate the priority populations.

- Click ***Next*** at the bottom to move to the next section.

6. For **Methods**, select the PrEP methods you wish to forecast by clicking or unclicking the boxes associated with the relevant methods for your country. Here, we have chosen oral PrEP only. In the table below, specify the unit cost associated with the product. (Do not include costs of service delivery here, but you can include product procurement / logistics costs if available.) Then, click *Next* and indicate which populations are eligible for each method by checking/unchecking the relevant boxes. Then click *Next* again.

Method	Unit of commodity	Number of months of coverage per unit	Unit cost (USD)
Pill	bottle	1	5.60

Place a check next to each population that is eligible to use a method.

Priority population	Pill
Men who have sex with men	☑
Female sex workers	☑

7. For **Continuation**, default data have been provided for the proportion of PrEP clients in each priority population continuing to take PrEP at months 1, 3, 6, and 12 after initiation based on available data (see the info and **?** icon for more details). If you have program-specific continuation rate data accessible from implementing partners, using this data is ideal. You can enter the continuation rate data by writing over the defaults; otherwise, you can use the default data provided. If using default data, implementing partners may be able to provide some insight into whether they think default data reflects what they see in implementation currently. You do not need a different continuation data for each population. However, if you want to add curve based on a custom population, you can click on *Add curve* and add in the relevant continuation data for additional curves.

Continuation

Define curves   Assign curves

Name and define continuation curves. These can be aspirational or based on program data. ⓘ

Continuation curves	After one month (%)	After three months (%)	After six months (%)	After 12 months (%)	Average months on PrEP	Delete
SDCs	85	74	48	19	8	🗑
AGYW 15-24	30	20	12	-	2	🗑
MSM	45	30	21	-	3	🗑
FSWs	61	39	21	-	4	🗑

Add curve

Next, assign each priority population one of the continuation curves by using the dropdown lists. In this case, assign the MSM curve for Men who have sex with men and the FSWs curve for Female sex workers. You will need to select the most appropriate curve for custom populations. Once completed, click *Next.*

Assign a continuation curve to each priority population.

Priority population	Continuation curve
Men who have sex with men	MSM ▾
Female sex workers	FSWs ▾

Back   Next

8. For **Visit schedules,** start by defining the visit schedule for PrEP clients for the year after initiation. Four commonly used visit schedules are provided and can be adapted by clicking/unclicking the boxes. The visit schedules should be based on national guidelines and/or standard operating procedures for implementation. Once all the schedules you need have been specified, click ***Next.***

Additional continuation visit schedules

Continuation visit schedules

Months after initiation	Schedule 1	Schedule 2	Schedule 3	Schedule 4
0	Initiation visit	Initiation visit	Initiation visit	Initiation visit
1	☑	☑	☐	☑
2	☐	☐	☑	☑
3	☑	☐	☐	☑
4	☐	☑	☑	☑
5	☐	☐	☐	☑
6	☑	☐	☑	☑
7	☐	☑	☐	☑
8	☐	☐	☑	☑
9	☑	☐	☐	☑
10	☐	☑	☑	☑
11	☐	☐	☐	☑
12	☑	☐	☑	☑

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Assign a schedule for each priority population and method by using the dropdown lists. Examples are shown below. Once you have completed the table, click ***Next.***

Assign a continuation schedule to each priority population for each method.

Priority population	Pill
Men who have sex with men	Schedule 1
Female sex workers	Schedule 1

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9. In the **Targets** section, start by defining your target-setting period by using the dropdown lists and clicking on the ***Set date range*** button so that it turns grey.

Population data are automatically provided in the table based on data in the ***Default priority populations*** button in the upper right corner. These data may be overwritten if additional data are available. Custom priority populations, if added, will not have defaults, and you will need to locate this data. Four data points are needed for each priority population. After these are entered, the number of potential PrEP users will be calculated. Once completed, click ***Next.***

Enter the information below to estimate the number of potential PrEP users in each priority population.

Priority population	Population size	% in geographic areas prioritized for PrEP	HIV prevalence (%)	% indicated for PrEP	Number of potential users
Men who have sex with men	24,416	100	22	70	13,331
Female sex workers	11,700	100	13	75	7,634

Size of priority population (national)

If PrEP is only provided in certain SNUs, percent of population in those SNUs

HIV prevalence within each priority population

Percent of HIV-negative members of this population in need of PrEP

Calculated

Moving to "Define scale-up trends", the **?** section provides details on scale-up trends. Three scale-up trend options can be selected using the dropdown menu: Constant, S-shaped, and Linear. Click ***Next*** again to assign each priority population a scale-up trend. We recommend selecting the s-shaped curve, as shown below in Trend B, if you are unsure of how PrEP will scale up for each priority population.

Define scale-up trends for PrEP initiations.

Scale-up trend	Scale-up type	Midpoint of s-shaped curve	Initial speed of scale-up (s-shaped only)
Trend A	Constant ▾		
Trend B	S-shaped ▾	9.0	0.30
Trend C	Linear ▾		

Assign a scale-up trend to each priority population.

Priority population	Scale-up trend
Men who have sex with men	Trend B
Female sex workers	Trend B

10. On the "Set targets" tab, use the dropdown menu to choose "Coverage". For each priority population and method, enter in the percent of potential PrEP users you want to be actively taking PrEP in the final month of the target period. Note that this is not the same as the percent of the population who will initiate PrEP over the target period, as some will initiate and discontinue before the end of the target period. Once completed, click **Next.**

Select a target-setting option.

Coverage ▾

Enter the % coverage by method for each priority population.

Priority population	Pill	Total
Men who have sex with men	30.0	30.0
Female sex workers	30.0	30.0

View the total number of initiations, PrEP_CT, and the number of each priority population on PrEP in the final month of the target period.

Target indicator	Total	Men who have sex with men	Female sex workers
PrEP_NEW	14,797	9,891	4,906
PrEP_CT	2,699	1,656	1,043
Currently on PrEP	6,284	3,999	2,285

11. Navigate to **Disaggregate targets** using the left-hand panel. If you would like a date range for disaggregation is different than what is already displayed, use the dropdown lists to set the date range and click on the *Set date range* button so that it turns grey. Next, review the sex and age ranges for each priority population and edit, if needed. Click *Next.*

Priority population	Females			Males		
	Include?	Start age	End age	Include?	Start age	End age
Men who have sex with men				✓	15	65+
Female sex workers	✓	15	65+			

Review the "District populations" or specified subnational units (in this case regions) that were entered in the template. Click *Next* again to the see the targets by the subnational units. Use the dropdown lists to change date range and view disaggregated targets for PREP_NEW or PREP_CT. If you want to download these disaggregated outputs for PEPFAR, click on the *Download targets outputs for PEPFAR* button.

Download targets output for PEPFAR

Display

PrEP_NEW

Targets disaggregated by district, by priority population

Region	Total	Men who have sex with men	Female sex workers
Centrale	1,478	987	491
Kara	1,842	1,230	611
Maritime	6,219	4,154	2,065
Plateaux	3,289	2,197	1,092
Savanes	1,981	1,323	658

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12. In the **Commodities forecasting** section, adjust the date range, if needed. Next, enter the number of bottles of pills distributed at each initiation and continuation visit. The table below will show the number of bottles required and the costs for each month of the target-setting period. Right-click on the table to "Copy all" results and paste into a separate document.

Commodities forecasting

Number of bottle(s) distributed per initiation visit	1
Number of bottle(s) distributed per continuation visit	3

Visits, supplies, and costs

Month	Number of initiation visits	Number of continuation visits	Number of bottles required	Bottle costs (USD)
October 2022	290	0	290	1,624
November 2022	380	146	818	4,581
December 2022	494	191	1,069	
January 2023	636	345	1,671	
February 2023	807	446	2,146	
March 2023	1,008	570	2,718	
April 2023	1,235	778	3,570	
May 2023	1,483	969	4,389	
June 2023	1,743	1,184	5,294	
July 2023	2,002	1,449	6,351	
August 2023	2,251	1,707	7,373	
September 2023	2,478	1,972	8,394	

Context menu:
- Undo
- Redo
- Copy   Ctrl+C
- Copy all
- Decrement decimal
- Increment decimal
- Duplicate across rows
- Duplicate down columns
- Interpolate
- Normalize
- Show/Hide thousands separator
- Copy to JSON

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