Universal Health Coverage Monitoring and Planning Tool



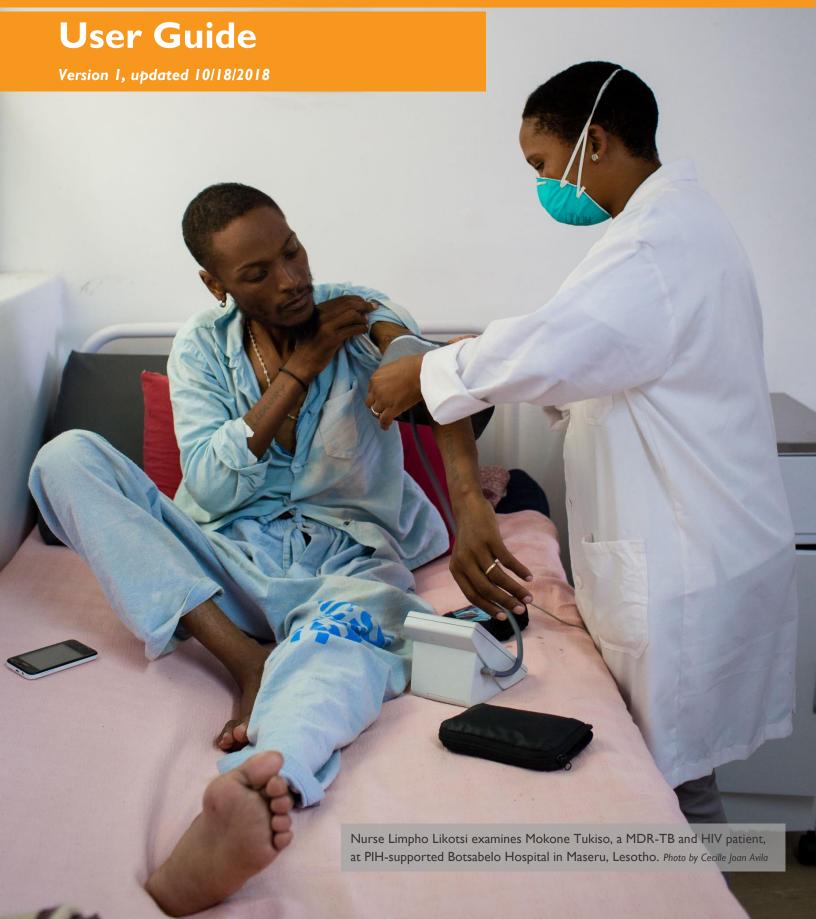


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Background

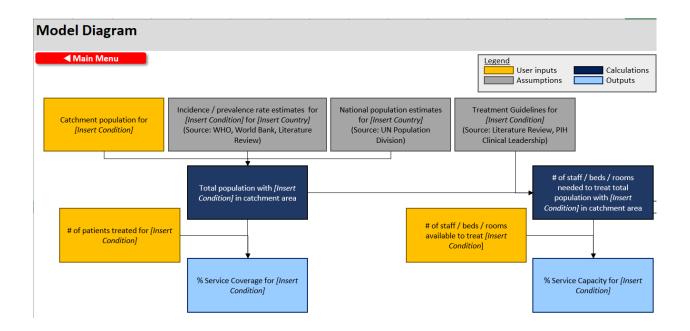
The Sustainable Development Goals call for the achievement of Universal Health Coverage (UHC) by 2030. Consequently, UHC has been a prominent topic within international development discourse with a major focus and progress around the financial protection i.e. equitable insurance schemes and the removal of user fees. Yet, a significant gap remains in monitoring and planning service delivery for the achievement of UHC, and the mechanisms and approach to how UHC will be delivered, from a provider perspective, remains a black box.

To this end, Partners In Health (PIH) has developed and tested a UHC Monitoring and Planning Tool, to plan comprehensive health care delivery and monitor service coverage by linking inputs -staff, supplies, infrastructure- with the burden of disease to support the delivery of care. This user guide describes how to use this model for a particular catchment area; from inputting the data to displaying results.

Introduction

The UHC Monitoring and Planning Tool enables a diverse group of users; ranging from governments entities, including Ministries of Health, to non-governmental health and development organizations, to evaluate progress towards UHC at national or sub-national levels. It builds on the methods presented in the 2017 World Health Organization and World Bank report, "Tracking Universal Health Coverage: 2017 Global Monitoring Report," which established a framework for monitoring service coverage through tracer indicators and the calculation of a service coverage index. The tool takes user inputs, including catchment population, disease prevalence rates, and clinical recommendations), to project patient volume under UHC (100% population coverage). It also helps health providers properly plan and allocate resource requirements by estimating staffing and infrastructure investments needed to adequately support the patient loads that UHC would entail.

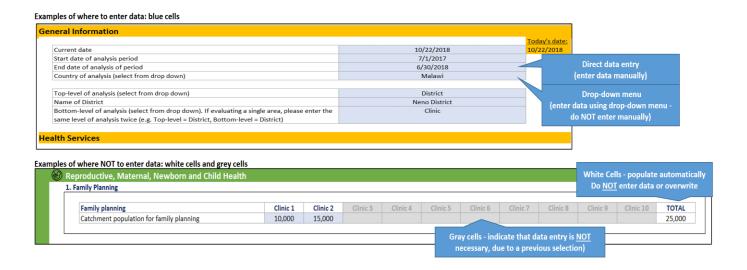
The diagram below gives an overview of the logic of the tool and how user inputs, assumptions from academic sources, and clinical recommendations are combined using simple calculations to yield a mapping of a particular area's progress towards UHC.



Using the Tool

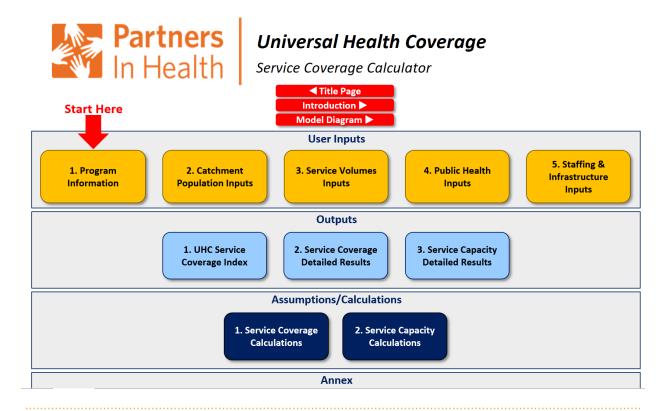
The tool contains three kinds of cells, blue cells, white cells, and gray cells. All data entry must be done in the blue cells, whether direct entry or selection from a drop-down menu. White cells populate automatically and gray cells indicate that data entry is not necessary in that cell due a prior selection. Note: Entering data into white cells will overwrite the tool's formula and may result in incorrect outputs.

There are two options on the home screen to "Protect All Sheets" and "Unprotect All Sheets." When customizing the tool, you should unprotect all sheets in order to access the full backend. However, when distributing the tool for data entry, protecting all the sheets will prevent the user from accidentally making changes that could prevent the tool from working properly. The default password for this function is "uhc".

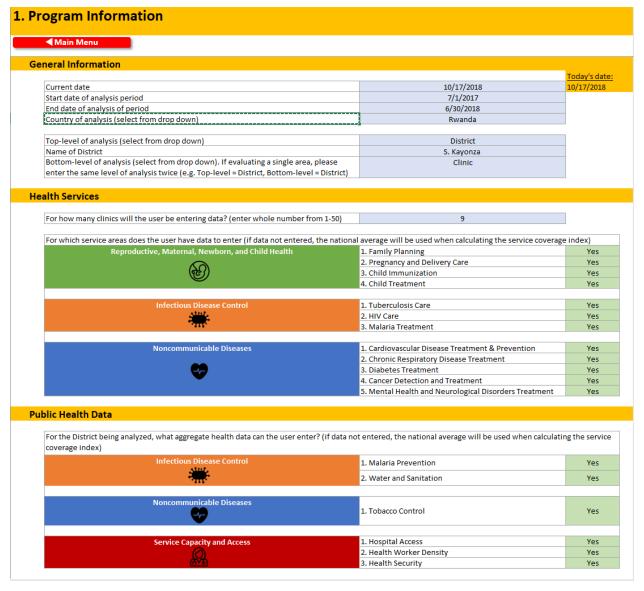


User Inputs

The first step in using the UHC tool is to input user data into the yellow sections: Program Information, Catchment Population Inputs, Service Volume Inputs, Public Health Inputs, and Staffing & Infrastructure Inputs.

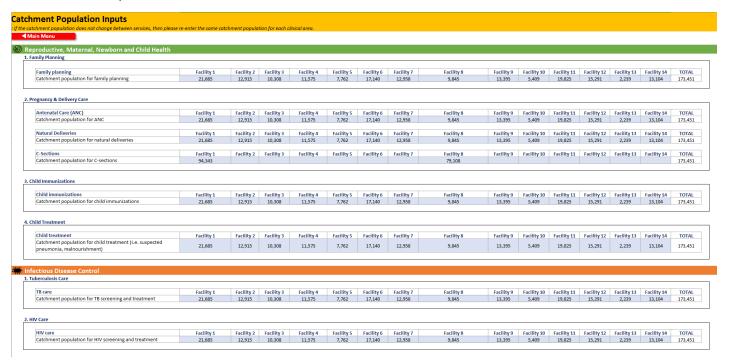


1. Program Information



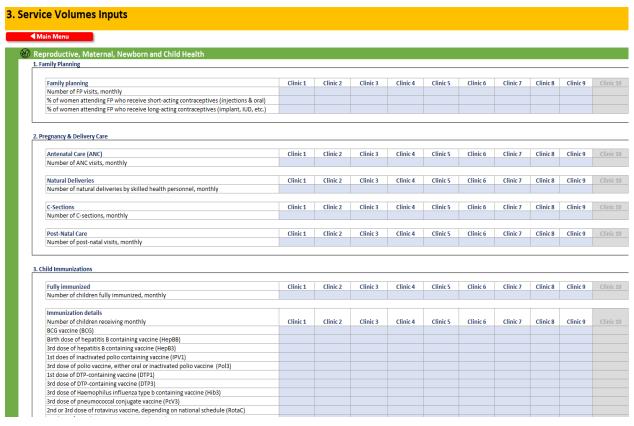
- Begin by filling out general information such as the start and end date of the analysis period, and the desired top and bottom levels of the analysis. Note: In its current version, the areas of analysis are limited to those in which PIH implements, but this can be expanded to include any set of countries, districts, etc.
- Next, select the health service and public health data areas for which you have data.

2. Catchment Population



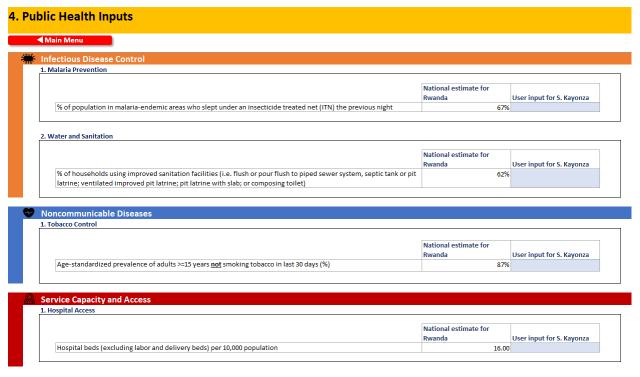
- For each service area selected, enter the estimated catchment population at each level of analysis. In the example above, this would be the catchment population of each health facility.
- If a facility does not offer a particular service, leave the catchment population blank or enter zero.

3. Service Volume Inputs



- Input any available monthly patient data, according to the service areas listed.
- If you do not have data for a particular area, simply leave it blank and it will be ignored in the final analysis.
- Note: Monthly estimated derived from annual data, or other time frames, can be used.

4. Public Health Inputs



- The public health inputs sheet contains the inputs used to calculate UHC projections. The
 tool already includes national-level estimates, but this sheet allows the user to enter a more
 specific estimate for sub-national analyses.
- If no additional information is entered, the national estimates will be used.

5. Staffing & Infrastructure Inputs



 Input staffing and infrastructure numbers according to the level of analysis – national or subnational.

Outputs

After entering inputs, return to the main menu and choose one of the blue sections to review outputs in the following areas: UHC Service Coverage Index, the Service Coverage Detailed Results, and the Service Capacity Detailed Results.

1. UHC Service Coverage Index

This tab is a summary index that shows UHC coverage percentages for each unit of the bottom level of analysis (for example, a clinic) and combines them into a summary number for the top level of analysis (for example, the whole district). It then compares this number to the estimate at that national level in order to give a national reference point for progress made.

2. Service Coverage Detailed Results

This section compares user inputs for actual patient loads to corresponding UHC projections generated and calculates the coverage percentage for each area outlined in the Service Volume tab.

3. Service Capacity Detailed Results

This section compares user inputs for actual staffing and infrastructure to corresponding UHC projections and calculates the coverage percentage for each area outlined in the Staffing & Infrastructure tab.

Assumptions/Calculations

This section contains all of the model's assumptions and calculations. The two tabs correspond to the calculations for patient load projections (coverage calculations) and staffing & infrastructure projections (capacity calculations). Each tab is divided into Assumptions, Inputs, and Calculations. All assumptions made in order to calculate UHC projections are listed as well as their source. Any assumptions listed in a blue box are clinical recommendations for which a source is also listed. The inputs section describes the inputs entered by the user and the calculation section contains the calculations done by the tool using values from the assumptions and user inputs. In order to see a specific calculation, simply double click the cell and the formula as well as the cells used in the formula will appear.

Annex

The final section of the tool is the Annex which contains all of the country level data whether a population statistic or a disease prevalence rate used in the tool's calculations as well as the source of that data.