UNDERSTANDING ANEMIA

A USER'S GUIDE TO THE LANDSCAPE ANALYSIS TOOL

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SPRING
Strengthening Partnerships, Results, and Innovations in Nutrition Globally

ABOUT SPRING

The Strengthening Partnerships, Results, and Innovations in Nutrition Globally (SPRING) project is a five-year USAID-funded Cooperative Agreement to strengthen global and country efforts to scale up high-impact nutrition practices and policies and improve maternal and child nutrition outcomes. The project is managed by JSI Research & Training Institute, Inc., with partners Helen Keller International, The Manoff Group, Save the Children, and the International Food Policy Research Institute.

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Acronyms

ANC	antenatal care
DHS	Demographic and Health Surveys
FP	family planning
HMIS	health management information system
IFA	iron–folic acid
IPTp	intermittent preventive treatment in pregnancy
SPRING	Strengthening Partnerships, Results, and Innovations in Nutrition Globally
USAID	U.S. Agency for International Development
WASH	water, sanitation, and hygiene
WHO	World Health Organization

Part I: Structure

INTRODUCTION

This User's Guide accompanies the Microsoft Excel-based Landscape Analysis Tool workbook. This workbook, along with a guidance document on the process of carrying out an anemia landscape analysis, "Understanding Anemia: Guidance for Conducting a Landscape Analysis," can be found at **www.spring-nutrition.org/publications/series/understanding-anemia**. You can complete the Landscape Analysis Tool at any point in your landscape analysis process, but we recommend reviewing the guidance document first, as it provides suggestions on data sources and the use of the information you collect.

GENERAL ORIENTATION

The Landscape Analysis Tool is a Microsoft Excel workbook that consists of the following worksheets (tabs):

Worksheet Name	Description
Tool Overview	The tool overview provides an overview of the tool's intended audience, purpose, and approach, along with instructions on completing the tool.
Prevalence Questionnaire	This questionnaire captures information related to national anemia prevalence, as well as risk factors for anemia, including infection, inflammation, and micronutrient deficiencies. You can include up to two years of data for each indicator and disaggregate anemia prevalence by region.
Program Questionnaire	This questionnaire captures information on the current status of anemia reduction and control interventions. Program data are often available from a variety of sources. An optional worksheet allows you to track estimates from different data sources. The questions are divided by the following topics: nutrition, infection, inflammation, water and sanitation, reproductive health, agriculture, and genetic red blood cell disorders.
Strategy/Policy Questionnaire	This questionnaire captures information about anemia-related policies or strategies that are in place.
Overview Dashboard	This dashboard provides a snapshot of the anemia situation at regional and national levels, as well as the risk factors for anemia. Dashboard information is populated from the prevalence questionnaire.
Findings Dashboard	This dashboard includes a summary of interventions to address anemia. The dashboard summarizes the anemia situation by topic area: nutrition, disease control, water and sanitation, reproductive health, agriculture, private sector, and genetic red blood cell disorders. This dashboard also includes information on policies, the existence of programs, and their coverage, and high impact interventions are presented graphically. The dashboard also highlights the various sectors that have to be involved in integrated anemia control.

Part II: Using the Landscape Analysis Tool

The following section provides a systematic overview of how the Landscape Analysis Tool should be used to illustrate the anemia situation in a country and prioritize interventions for anemia reduction.

Step 1: Understanding the anemia situation and its causes: completing the Prevalence Questionnaire

Ideally, you will have access to anemia data from national and subnational levels from two time points to complete this questionnaire. Make sure that you note the year for your data, and include any notes regarding the source of the data in the space provided. When available, include subnational data for anemia prevalence rates. Replace the region headings in the Prevalence Questionnaire with your region names. Populate all data fields for which you have information.

Step 2: Tracking interventions to address anemia: completing the Program Questionnaire

The Program Questionnaire includes a list of questions to capture information on the status of programs that have the potential to prevent and control anemia, as well as estimate the coverage of these programs. Within the Program Questionnaire, interventions are separated by sector. After identifying whether a specific program exists in your country, enter coverage data for the program. When there is a specific indicator for program coverage, e.g. "percentage of women given IFA supplementation," the questionnaire will request data for that indicator. When globally-recognized indicators do not exist or there are multiple options, the request will be more general, e.g. "what is the coverage of this program?" Review the guidance document for recommendations on which indicators to report. Make use of the data source cell to define all indicators and list the sources of the data.

Often, program coverage data are available from multiple sources. The worksheet within the Program Questionnaire provides space to list all reported coverage rates by source, before filling in this section of the Questionnaire. If you have multiple data sources, you can enter all of them into the Questionnaire, but you will need to select which data source you would like to be presented in the Findings Dashboard.

Step 3: Identifying the anemia-related strategies or policies in place: completing the Strategy/Policy Questionnaire

The existence of a supportive strategy and/or policy for interventions is important, since without strategies and/or policies, interventions are unlikely to be implemented. The list of policies in this questionnaire reflects currently accepted World Health Organization (WHO) recommendations related to anemia programming. Some countries will have all current WHO-accepted interventions as part of their national strategy and/or policy, while other countries may be missing some of the interventions and related policies and/or strategies.

Step 4: Putting it all together: reviewing outputs

This analysis should help you understand the prevalence of anemia and its risk factors (in the Overview Dashboard) as well as the summary of policies as well as interventions by topic area to reduce anemia prevalence in women and children (in the Findings Dashboard).

Part III: Entering Data in the Landscape Analysis Tool

NAVIGATING THE LANDSCAPE ANALYSIS TOOL

Users can navigate from one tab to another as you would in any other Excel workbook by selecting a tab at the bottom of the workbook, as well as by utilizing the directional buttons on the screen (see examples in **Figures 1 and 2**).

The current order of the worksheets mimics the content of the guidance document though you may choose to complete the worksheets in any order. The Questionnaires should be as complete as possible before reviewing or sharing the findings in your dashboards.

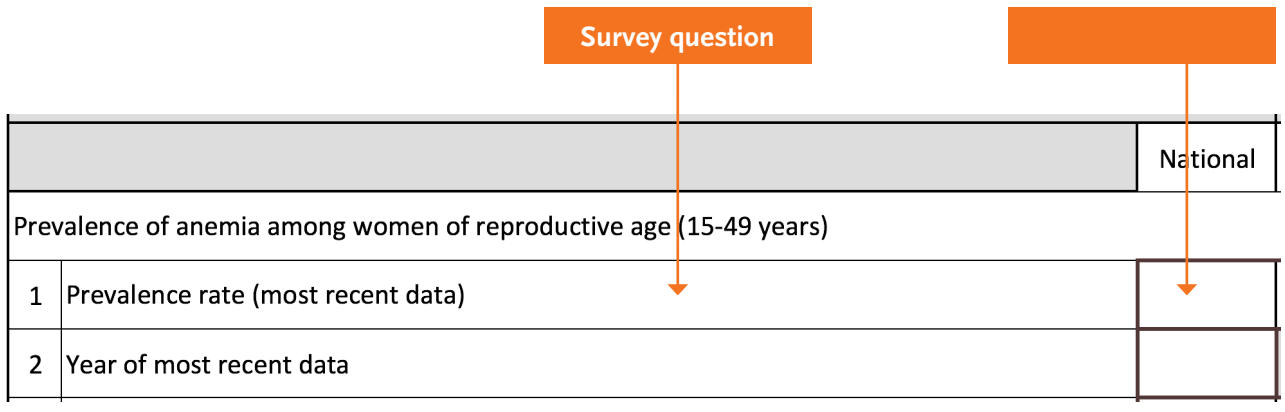
Figure 1. Examples of Advance Buttons

Figure 2. Example of a Return Button

ENTERING DATA

For ease of use, cells in the workbook have been locked, with the exception of input cells, which are outlined in black.

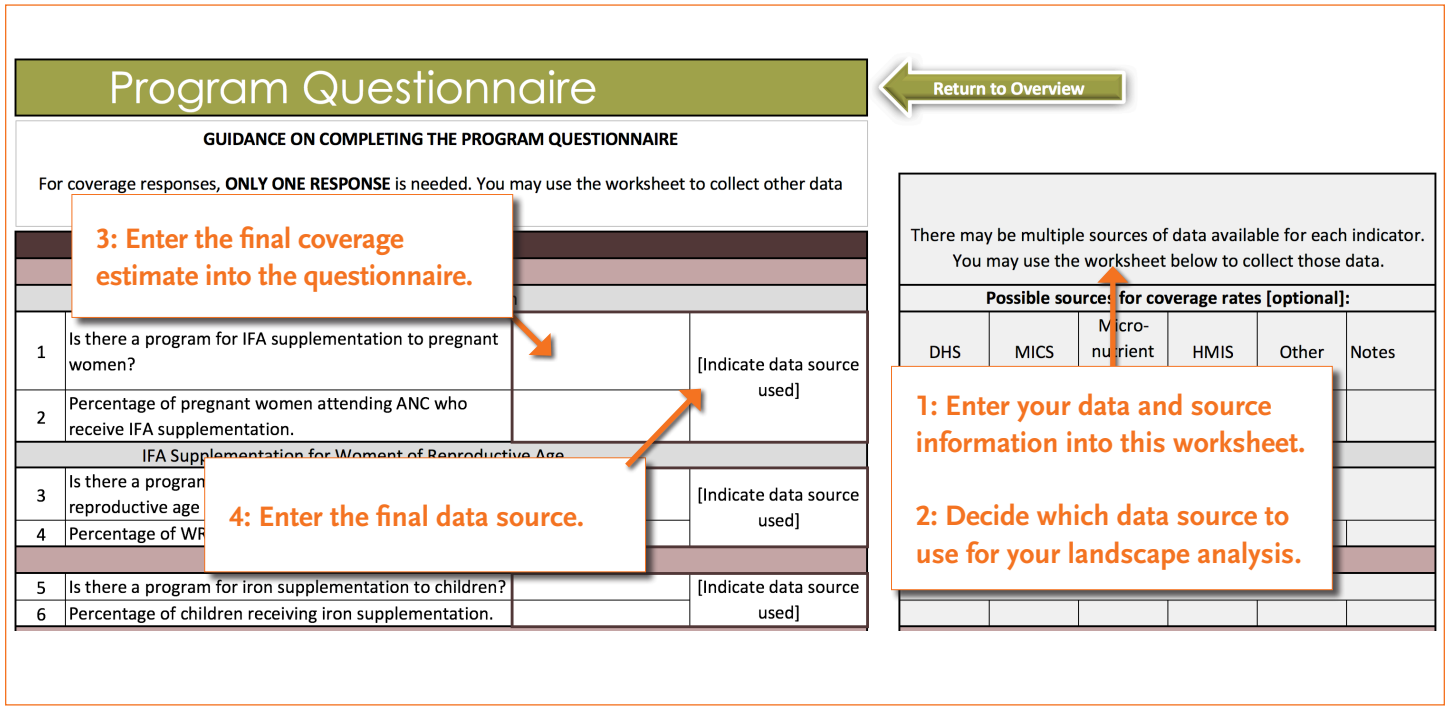
Figure 3: Example of data input cells



Input cells have been formatted to reflect the appropriate response type (percentage, number, dropdown, text).

In addition to adding data that will populate in the dashboards, this tool provides a worksheet in the Program Questionnaire where you can enter data on the same indicator from various sources. As you collect multiple sources of data, you can compare findings from each source and decide, based on the suggestions provided in the guidance document, which data source should be reflected in the questionnaire. Once you have made this decision, you will have to type the coverage estimate and the chosen data source into the main section of the questionnaire.

Figure 4: How to use the coverage data sources worksheet



The Landscape Analysis Tool allows for the collection of qualitative data focusing on the existence of a program, as well as quantitative data regarding its coverage. Only relevant coverage information needs to be entered. If a program does not exist, the quantitative question will automatically be highlighted in grey to indicate that the user should skip subsequent questions on the topic (see **Figure 5**). The Findings Dashboard will only display relevant data.

Figure 5: Example of skip pattern

Iron Folic Acid (IFA)			
IFA Supplementation for Pregnant Women			
1	Is there a program for IFA supplementation to pregnant women?	Yes	DHS
2	Percentage of pregnant women attending ANC who receive IFA supplementation.	12%	
IFA Supplementation for Woment of Reproductive Age			
3	Is there a program for IFA supplementation to women of reproductive age (including adolescent girls)?	No	[Indicate data source used]
4	Percentage of WRA who receive IFA supplementation.		

Please note that the format of the Excel tool allows you to print off questionnaires and complete them in paper version. While you will still need to enter the data into the Excel file for the dashboards to work, working from a paper copy could be helpful during meetings with collaborators. After you have entered data into the paper questionnaires, use the information in this User's Guide to input data into the Excel tool and populate the dashboards (which you can also then print).

OUTPUTS

Dashboards

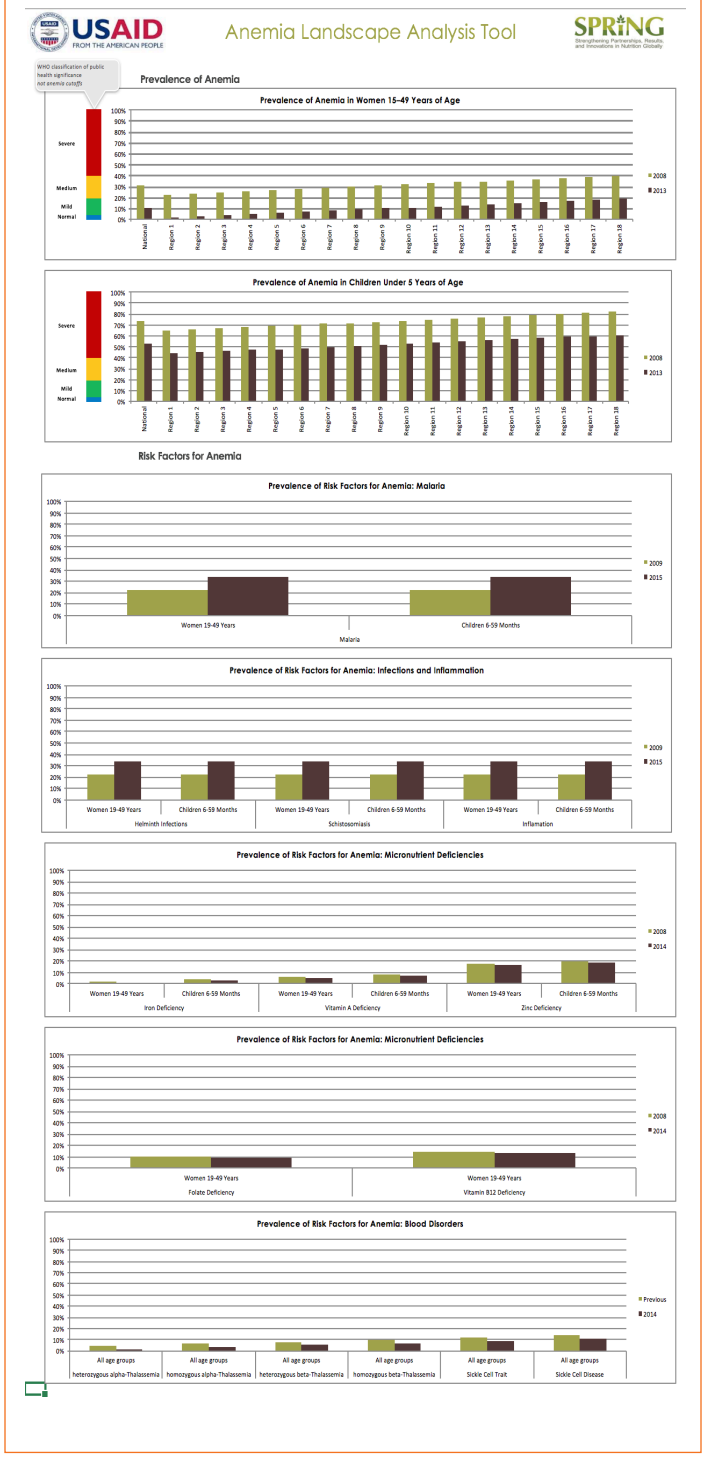
The Landscape Analysis Tool is intended to convert data into digestible information that can be used to inform program planning. This is done through the use of dashboards. Once information is entered in the questionnaire screens, it is presented in the Overview and Findings Dashboards. These dashboards can be used to assess anemia-related information for a particular sector and are designed so they can be easily printed and shared. As data in the dashboards draw from various questionnaires, the dashboards are best viewed only after all data have been entered.

Navigating the Dashboards

Once you have completed data entry in the questionnaire tabs, you will be able to view your information, along with guidance on anemia interventions, in two dashboards.

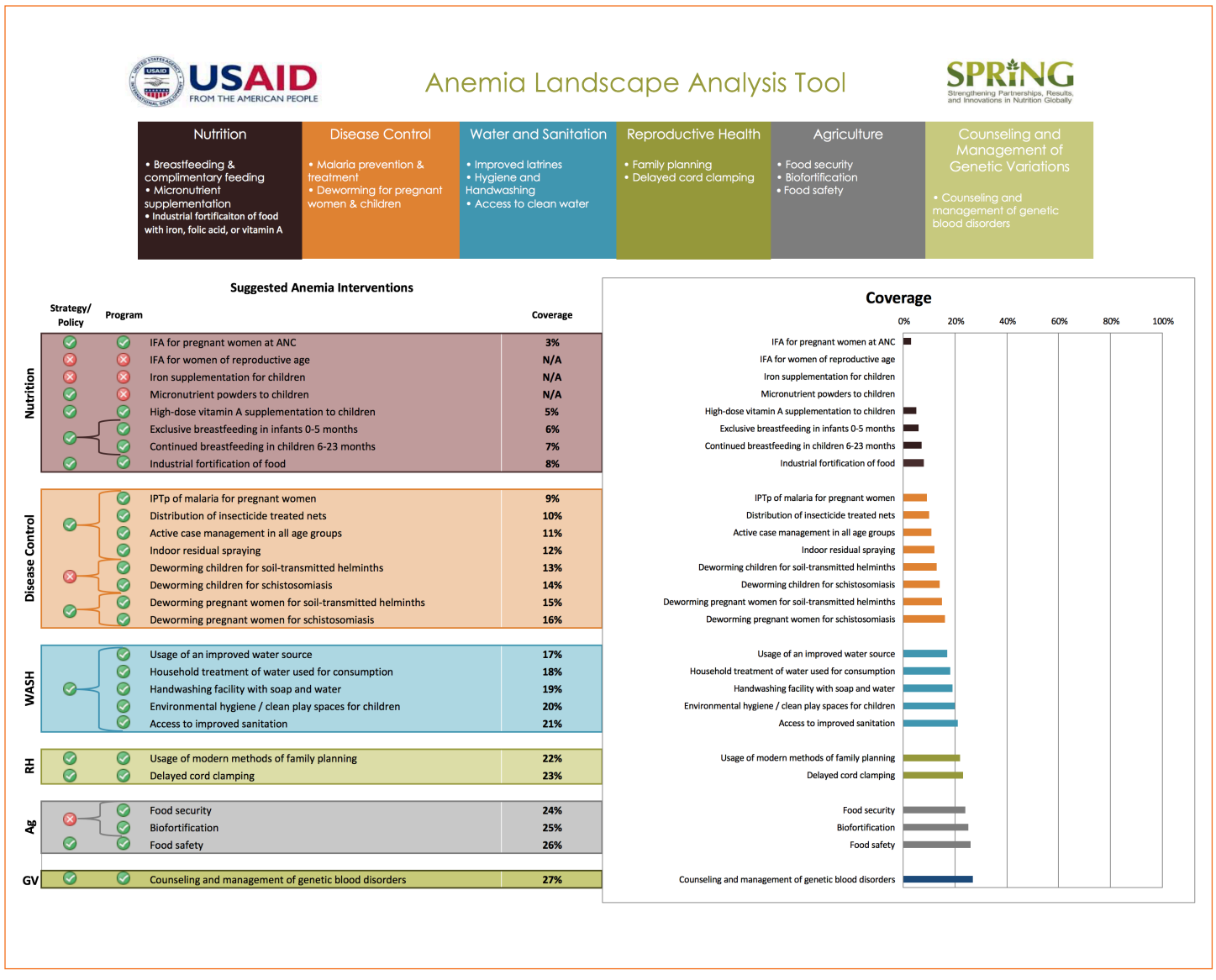
The Overview Dashboard tab displays high-level data, including anemia prevalence for children under age 5 and women ages 15–49 at the national and sub-national levels, as well as the prevalence of anemia risk factors.

Figure 6: Overview dashboard



The Findings Dashboard includes a list of interventions that are available for anemia reduction, and policy and program coverage information for these suggested programs in your district, based on the answers you provided in the Program and Policy Questionnaires. The dashboard also shows coverage of each relevant program, color-coded by sector.

Figure 7: Findings dashboard

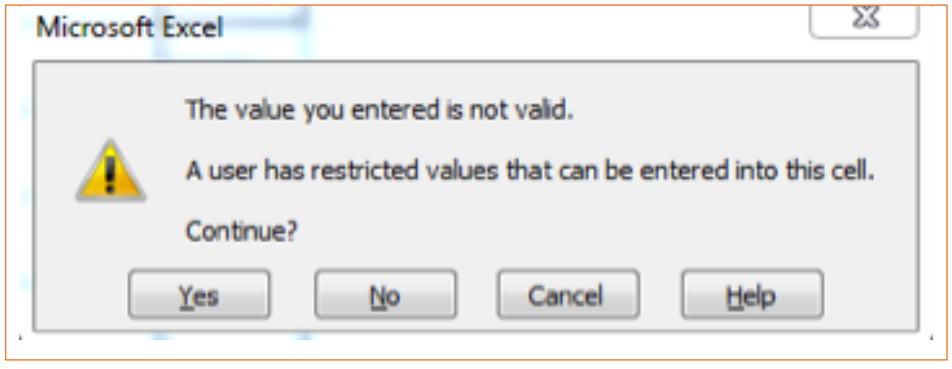


Part IV: Frequently Asked Questions

Why are the dashboards empty?

The information on the dashboards will populate only after the questionnaires have been completed. If you are seeing blank areas on a dashboard, return to that portion of the questionnaire and ensure you have completed all of the questions.

What does the following error mean?



You have received this error because you have entered a value not listed in the dropdown menu. While you can continue with the value you have entered (select "Yes"), we recommend that you select from the dropdown menu. To do so, select "No" then choose from the menu). If you select "Yes" information may not be correctly entered in the dashboard.

What do I enter if I don't have data?

Use the data available to you to complete the questionnaires. In the absence of national level data, other data can be reported. Refer to the guidance document for more details on finding alternative sources of data to populate this tool. If there are no data available, then the questions can go unanswered, which will highlight gaps in the evidence.

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