

Use IFs (Download): Development Goals

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The Development Goals specialized display options, explore how far the world and countries are from attaining the Sustainable Development Goals. The Sustainable Development Goals (SDGs) are a set of 17 goals adopted by all United Nations Member states in 2015, that focus on collaboration between countries toward better sustainable development. Each goal has several targets that help to quantify their attainment. Each of the display options described below can help to assess SDG targets over time and explore their potential for attainment in the future.

SDG Overview Table

The *SDG Overview Table* display can be found from the Main Menu: choose the **Display** option, the **Specialized Display** sub-option, and then the **SDG Overview Table** sub-sub-option.

This display shows a table of the SDGs and their targets that IFs has corresponding variables to measure. This table displays forecasts and historical data on SDG targets for a chosen country and scenario. The table has five columns: the names of indicators that correspond with a certain target and SDG, the most recent year of historical data, forecast for the chosen year and reference scenario, forecast for the chosen intervention scenario, and if available the target value. When a target value is available the forecast columns will be filled red if the forecast is not reaching the target, and green if it is reaching the target.

SDG Overview Table				
Continue Using Country/Regions Use History Only Indicators Help				
Countries or Regions	Kenya	Select Year	2040	Click on description to go to graph, or click on scenario values to show over time. Red is used for values that are in the opposite direction of the goal.
Select Reference Scenario:	1 - IFBase run.db	Select Intervention Scenario:	0 - Working File, based on IFBase run.db	Goal: Goal 1 - Poverty
Indicators	2020	Reference Scenario 2040	Intervention Scenario 2040	Target Value
***** Goal 1: POVERTY *****				
Indicator 1.1.1a - Percentage of population below \$1.25 (2005 PPP) per day, Lognormal	26.51	16.08	16.08	3
Indicator 1.1.1b - Percentage of population below \$1.90 (2015 PPP) per day, Lognormal	22.83	10.22	10.22	3
Indicator 1.1.1c - Percentage of females 15 and older living on less than \$1.90 a day at 2011 international prices - Female	24.08	17.46	17.46	2
Indicator 1.1.1d - Percentage of males 15 and older living on less than \$1.90 a day at 2011 international prices - Male	29.69	15.41	15.41	
Indicator 1.1.1e - Percentage of people 15 and older living on less than \$1.90 a day at 2011 international prices - Total	44.8	21.17	21.17	
Indicator 1.1.1f - Percentage of female 15 to 24 year olds living on less than \$1.90 a day at 2011 international prices	33.07	17.64	17.64	
Indicator 1.1.1g - Percentage of male 15 to 24 year olds living on less than \$1.90 a day at 2011 international prices	29.25	15.38	15.38	
Indicator 1.1.1h - Percentage of all 15 to 24 year olds living on less than \$1.90 a day at 2011 international prices	31.18	16.49	16.49	
Indicator 1.1.1i - Percentage of females 25 and older living on less than \$1.90 a day at 2011 international prices - Female	26.95	17.96	17.96	
Indicator 1.1.1j - Percentage of males 25 and older living on less than \$1.90 a day at 2011 international prices - Male	29.92	15.43	15.43	
Indicator 1.1.1k - Percentage of people 25 and older living on less than \$1.90 a day at 2011 international prices - Total	60.37	25.80	25.80	
Indicator 1.2.1a - Percentage of population below \$2 (2015 PPP) per day, Lognormal	35.12	18.02	18.02	17.68
Indicator 1.2.1b - Percentage of population below \$3.10 (2015 PPP) per day, Lognormal	51.74	20.64	20.64	23.87
Indicator 1.a.1a - Transfers as % of total government expenditures	26.01	40.25	40.25	
Indicator 1.a.1b - Transfers as % of GDP	8.83	9.936	9.936	
Indicator 1.a.1c - Transfers in Billion \$	8.113	23.83	23.83	
Indicator 1.a.2a - Percentage of total government spending on essential services (education, health)	32.8	30.95	30.95	
Indicator 1.a.2b - Government spending on essential services (education, health) as % of GDP	8.132	7.64	7.64	
Indicator 1.a.2c - Government spending on essential services (education, health) in Billion \$	7.598	18.32	18.32	

An example of the SDG Overview Table display for Kenya with the year 2040 and goal 1 selected.

There are several options and features to adjust and explore the display that can be found in the menu bar or the display field options at the top of the screen:

- **Continue:** Go back to the previous menu or to the Main Menu of IFs.
- **Using Groups** or **Using Countries/Regions:** Click **Switch** to change between displaying groups or countries and regions. If groups are currently selected then **Using Groups** will be displayed on the tool bar and vice versa.
- **Use History Only Indicators** or **Back to Forecasted Indicators:** Click **Switch2** to change between only displaying the most recent historical data that IFs has with no forecasts or to displaying forecast and all the variables with data. If forecasts are currently displayed then **Use History Only Indicators** will be displayed on the tool bar and vice versa.
- **Help:** Open the corresponding page in the Pardee Wiki for the current feature or display.

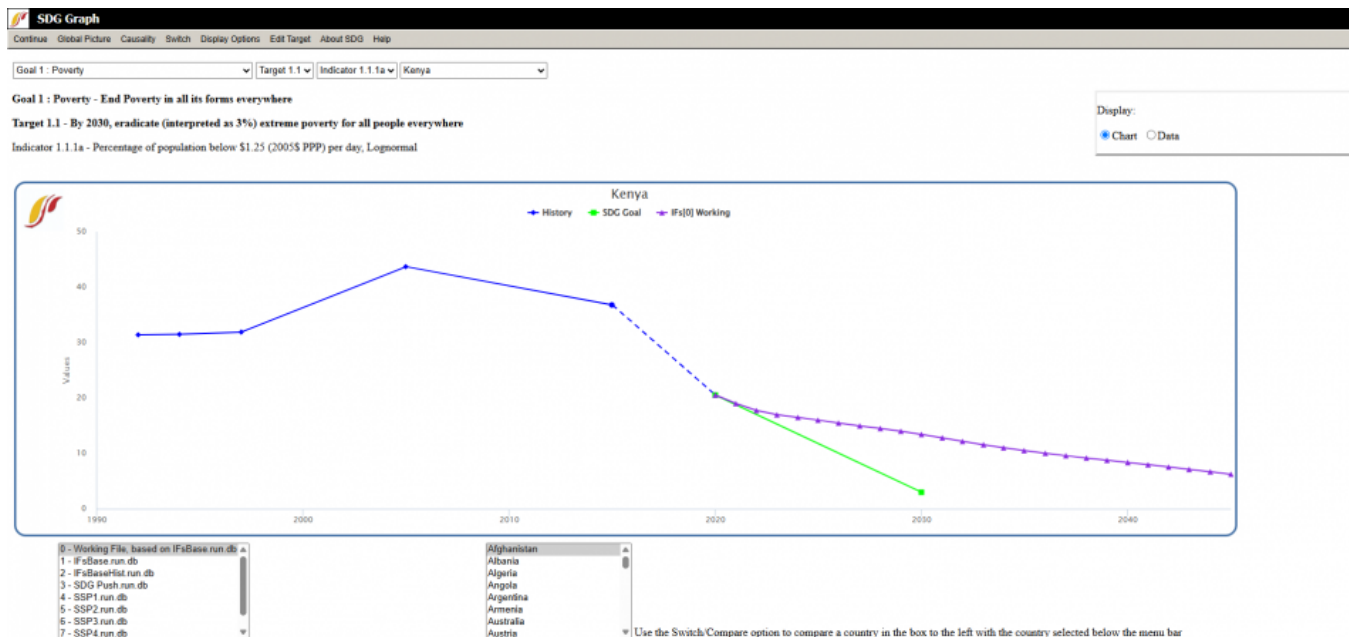
Display Option Fields:

- **Groups** or **Countries** or **Regions:** Choose the desired country or region, or group from the drop down.
- **Select Year:** Choose the desired year to display from the drop down.
- **Select Reference Scenario:** Choose the desired saved scenario to display from the drop down.
- **Select Intervention Scenario:** Choose the desired saved scenario to display from the drop down.
- **Goal:** Choose the desired SDG from the drop down.

SDG Graph

The *SDG Graph* display can be found from the Main Menu: choose the **Display** option, the **Specialized Display** sub-option, and then the **SDG Graph** sub-sub-option.

This display shows the history and forecast of an IFs variable that corresponds with the chosen SDG goal and target for a given country and scenario. Along with this forecast, the graph also shows the target value if available.



An example of the SDG Graph display for Kenya with goal 1 and target 1.1 chosen.

There are several options and features to adjust and explore the graph that can be found in the menu bar or the display field options:

- **Continue:** Go back to the previous menu or to the Main Menu of IFs.
- **Global Picture:** Click **Situation Map** to open a display map comparing all countries for the chosen goal and target.
- **Causality:** Open a display of the drivers of the currently displayed variable. This display shows what variables drive the currently displayed variable in the IFs model.
- **Switch:**
 - **Use Groups or Use Countries:** Change between displaying groups or countries and regions. If groups are currently selected then **Use Countries** will be displayed on the tool bar and vice versa.
 - **Compare:** Compare two countries or groups. First Select the desired countries or groups; one at the drop down at the top of the screen and and the other at the drop down below the graph. Then click **Compare**.
- **Display Options:**
 - **Earliest Year to Display:** Select the desired earliest year to display on the graph from the drop down that appears.
 - **Latest Year to Display:** Select the desired latest year to display on the graph from the drop down that appears.
 - **Not filling holes in group data or Using estimation to fill holes in group data:** Click this to switch between either using estimation techniques to fill in missing data for countries in the selected group or not filling in data at all. **Not filing holes in group data** is displayed if the display is not using estimations to fill in missing data and vice versa.
 - **Using Cross-Sectionally enhanced Longitudinal Regression to fill holes:** Click to use this estimation technique.
 - **Estimation with Regression:** Hover over to choose the desired regression technique

from the drop down. This regression is used to estimate the base year and most recent year when the chosen country or group does not have data available. The current technique will have a check mark next to in the drop down.

- **Show Regression Values:** Show the regression line that is used to estimate the base year and most recent year when the chosen country or group does not have data available.
- **Edit Target:** Click **Edit** to manually set the target year and value.
- **About SDG:**
 - **Goals:** Open a page that provides more detailed information about the SDGs.
 - **Explain:** Open a page that explains the estimation process for missing data, and how IFs sets target values based upon the SDG targets.
- **Help:** Open the corresponding page in the Pardee Wiki with the current feature or display being used.

Display Option Fields; after each selection the graph will automatically refresh and reflect the change:

- Goal drop down: Select desired goal.
- Target drop down: Select the desired target.
- Indicator drop down: Select the desired indicator.
- Country or Group drop down (top of screen): Select the desired country or group.
- Scenario drop down: Select the desired scenario.
- Country or Group drop down (bottom of screen): Select the desired country or group prior to using the **Compare** option.
- **Display:** Select **Chart** or **Data** to change the display format between a graph or table.

Poverty Level Display

The *Poverty Level Display* can be found from the Main Menu: choose the **Display** option, the **Specialized Display** sub-option, and then the **Poverty Level Display** sub-sub-option.

This display feature is useful for generating and displaying forecasts of populations who live under a certain monetary constraint, between two chosen income levels, or the income of a chosen percentile within a geographically bound region. Change selections and the display option fields then choose to display the generated forecasts as either a table, line graph, or bar graph.

An example of the Poverty Level Display.

There are several options and features to adjust and explore the displays that can be found in the menu bar or the display field options:

- **Continue:** Go back to the previous menu or to the Main Menu of IFs.
- **Display Format:**
 - **Set Title, Display Interval, or Year:** Adjust the display year, the title, and the titles of axes.
 - **Currency:** Change the currency being displayed. The default currency is USD.
 - **Horizon:**
 - **Display/Run Horizon:** Select the desired forecast horizon year from the drop down that appears.
 - **Run File Horizon Choice (With Multiple File Use):** When multiple scenario files are selected from the **Scenarios** drop down, choose to set the forecast horizon to the **Shortest Run File Horizon** or the **Longest Run File Horizon**.
- **Group Options:** Select an option from the drop down to change between **Using Countries/Regions**, **Using Groups**, **Using G-Lists**, or **Using Decomposed Groups** as the geographic level of display. The selection for the current chart being displayed will have a checkmark next to it.
- **Using Percent of Population** or **Using Millions of People:** Click **Change** to either display forecasts in millions or percent. **Using Percent of Population** will be displayed to reflect the current choice and vice versa.
- **Using 2017 PPP** or **Using 2011 PPP:** Click **Switch** to either display forecasts in 2011 or 2017 USD PPP. **Using 2017 PPP** will be displayed to reflect the current choice and vice versa.
- **Help:** Open the corresponding page in the Pardee Wiki with the current feature or display they are using.

Display Option Fields:

- **Regions:** Select the desired country, group, g-list, or decomposed group from the drop down.
 - **Scenarios:** Select the desired scenario from the drop down.
 - **Poverty Level:** Choose to generate forecasts and displays based upon the income level. Set the income level in the corresponding field.
 - **Income Range:** Choose to generate forecasts and displays based upon the income range. Set the range in the two corresponding fields.
 - **Poverty Percentile:** Choose to generate forecasts and displays based upon the income percentile. Set the percentile in the corresponding field.
 - **Add:** Click to add the current selections to the display or table. Once clicked, the selections will then show up in a box at the bottom of the screen. Use this multiple times to compare between countries or scenarios.
 - **Table:** Generate a table based upon selections.
 - **Line Graph:** Generate a line graph based upon selections.
 - **Bar Graph:** Generate a bar graph based upon selections.
 - **Clear:** Clear the current selections that are in the box at the bottom of the screen.
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