

Welcome to the SoGA Health in Cities Interactive Website guide! The objectives of this guide are to provide instructions for:

1. Creating Comparative Air Quality or Health Impact Plots
2. Downloading Plot Images and Data
3. Exploring and Downloading Air Quality and Health Impact Data Tables

Part 1: Create Comparative Air Quality or Health Impact Plots

1. Select either the 'Air Quality' or 'Health Impact' tab. By default, the 'Air Quality' tab will be selected. When a tab is selected, the text color will be white and the tab will be dark blue.
2. Use the menu on the left side of the screen to define the parameters of your search. Parameters for the air quality plot include pollutants and city. The health impact parameters include city and the additional category 'metric' which is explained further in our [glossary](#).
 - By default, the selected city is Jakarta, Indonesia. To change the selected city, you can either type in the full name of the desired city or type in the first alphabet of the city name and then scroll through the alphabetized list.
3. To view a specific pollutant, use the 'select pollutant' drop-down menu. This will allow you to choose from one of two pollutants: [ambient particulate matter](#) and [nitrogen dioxide](#). For health burden, there is only one pollutant category, 'ambient particulate matter'.
4. You may compare the selected city to other cities by clicking on the 'Show Comparison City' box at the bottom of the left-hand-side menu. Once selected, the box and text will be highlighted in gold. The default city is Tokyo, Japan. The comparison city can be changed by either typing the city of interest or by typing the first letter of the desired city and scrolling through the alphabetized list.

The screenshot displays the user interface for the 'AIR QUALITY' section. At the top, a dark blue header contains the text 'AIR QUALITY' in yellow and 'Population-Weighted Concentration' in white. Below this, a light blue panel contains the following elements: a 'Select Pollutant' dropdown menu with 'Ambient particulate matter pollution' selected; a 'Choose a city, country' dropdown menu with 'Jakarta, Indonesia' selected; and a list of six checkboxes, all of which are currently unchecked. The checkboxes are: 'Show Global Averages', 'Show Country Averages', 'Show Regional Averages', 'Show WHO AQ Guideline', 'Show WHO Interim Target 1', and 'Show Comparison City'.

- To compare the estimates of a selected city to global, regional, or country estimates, click the associated checkbox at the bottom of the left-hand menu. Once selected, the box, associated text, and associated line will be highlighted blue, red, or purple.
- To compare the air pollution level of a selected city with the [WHO air quality guidelines](#) and [WHO interim target 1](#), you can select the 'Show AQ Guideline' and the 'Show WHO Interim Target 1' checkboxes at the bottom of the left-hand menu.
- If you are interested in specific data points, you can click on the plotted dots to view specific numerical data.

Select Pollutant

Ambient particulate matter pollution ▾

Choose a city, country

Jakarta, Indonesia ▾

Show Global Averages

Show Country Averages

Show Regional Averages

Show WHO AQ Guideline

Show WHO Interim Target 1

Show Comparison City

Delhi [New Delhi], India ▾

Part 2: Downloading Plot Images and Data

There are several ways to download both the plots and the data you worked with in Part 1. The following steps will assist you in obtaining these downloads.

- To download the image of a plot, select the black arrow on the top right side of the plot.
- Select the image download type of your choice. Options include PNG image and JPEG image.

AIR QUALITY
 Population-Weighted Concentration

HEALTH IMPACT
 Burden On Your Health

State of Global Air 2020

Select Pollutant

Ambient particulate matter pollution ▾

Choose a city, country

Jakarta, Indonesia ▾

PLOTS

TABLES



Average Annual Population-Weighted PM_{2.5}

160

- If you are interested in downloading the raw data you see on the plot, select the arrow, and then click 'Download CSV'.

Part 3: Explore and Download Air Quality and Health Impact Data Tables

All the data used to create the line plots are available to search, sort, and download from the site. The tables include data for all years (2000-2019). In addition, the tables include 95% upper and lower uncertainty intervals for the total number of deaths attributable to PM_{2.5} listed in under the Health Impact tab.

1. When the site opens, it is set to 'Plots' by default. Switch to tables by selecting 'Tables' from the tabbed menu above the plots. The 'Tables' tab will then be highlighted in dark blue with white text.
2. To create a table with air quality data or health impact data, set all parameters as you would for creating the plots (Part 1). The table will display the data based on the parameters that are selected starting with the first year of data collection (2000). You can use the arrows at the top of each column to sort the data.
3. To download created tables as a csv, select the black arrow on the top right side of the plot and click 'Download as CSV'.

The screenshot shows the 'Tables' view of the State of Global Air 2020 interface. The 'AIR QUALITY' tab is selected, showing 'Population-Weighted Concentration'. The 'HEALTH IMPACT' tab is also visible, showing 'Burden On Your Health'. The 'State of Global Air 2020' logo is in the top right. The 'Select Pollutant' dropdown is set to 'Ambient particulate matter pollution'. The 'Choose a city, country' dropdown is set to 'Jakarta, Indonesia'. The 'TABLES' tab is active. The table below shows data for PM25 in Jakarta, Indonesia, with columns for Country, ISO3, Region, Name, Pollutant, Exposure Lower, and Exposure M. A download icon is circled in red in the top right corner, and the pagination controls at the bottom are also circled in red.

COUNTRY	ISO3	REGION	NAME ↑	POLLUTANT	EXPOSURE LOWER	EXPOSURE M
Indonesia	IDN	City	Jakarta, Indonesia	PM25	86.9	
Indonesia	IDN	City	Jakarta, Indonesia	PM25	86	
Indonesia	IDN	City	Jakarta, Indonesia	PM25	60.8	
Indonesia	IDN	City	Jakarta, Indonesia	PM25	59.6	
Indonesia	IDN	City	Jakarta, Indonesia	PM25	59.7	
Indonesia	IDN	City	Jakarta, Indonesia	PM25	62.7	
Indonesia	IDN	City	Jakarta, Indonesia	PM25	58.7	
Indonesia	IDN	City	Jakarta, Indonesia	PM25	57.2	
Indonesia	IDN	City	Jakarta, Indonesia	PM25	60.1	
Indonesia	IDN	City	Jakarta, Indonesia	PM25	52.8	