

Household Energy Database

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Summary

The Household Energy Database monitors household energy use. The database contains nationally representative data from surveys and censuses on cooking, heating and lighting fuels. A proportion of the available surveys also include questions on stove type, time spent collecting fuel, and incidence of acute lower respiratory infection. The database is used to calculate national, rural and urban estimates for use of clean fuels and technologies (as well as the population affected), which WHO reports for Sustainable Development Goal Indicator 7.1.2. The database is regularly updated with new data from national censuses and large-scale household surveys such as the World Bank's Living Standard and Measurement Survey and UNICEF's Multiple Cluster Indicator Survey (MICS). The database is currently being upgraded in association with international and national surveys and censuses to include more data on heating and lighting fuels and technologies and emission rates, and to disaggregate data by sex and age whenever possible.

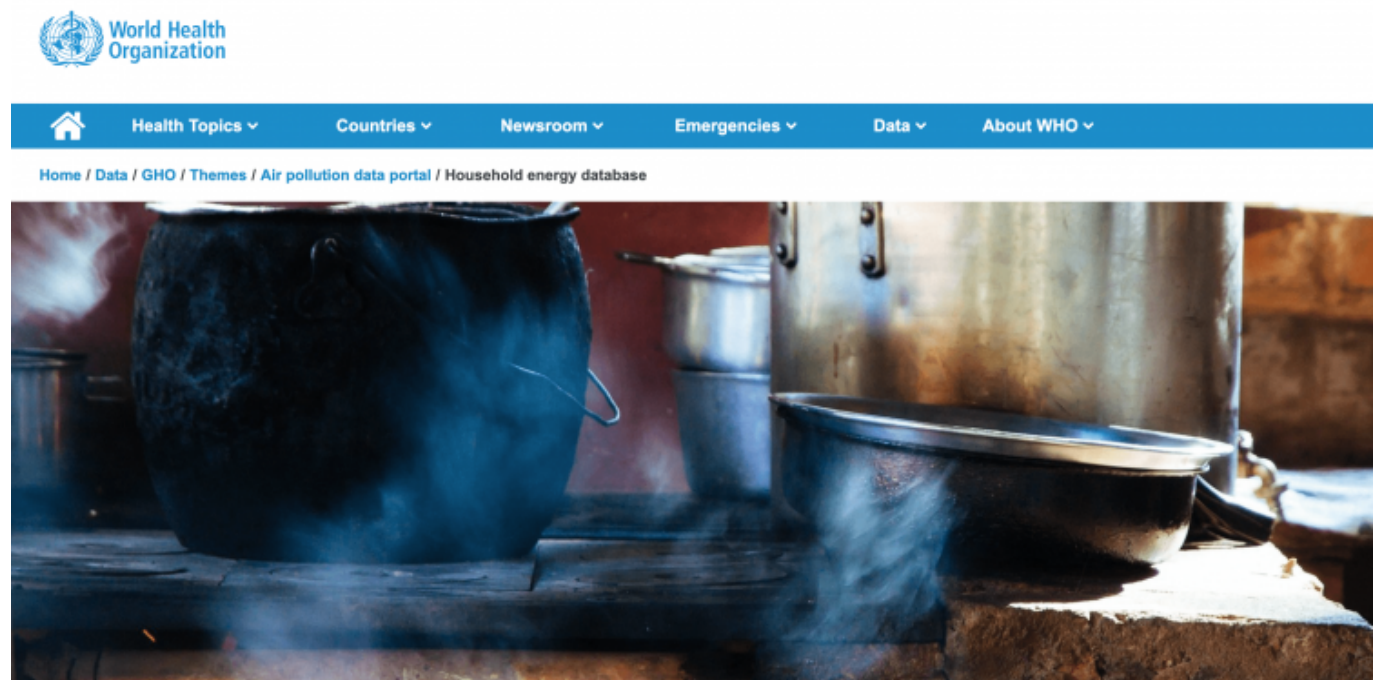
The Data Team uses the Household Energy Database for these series:

- **SeriesEnvSolidFuels**
- **SeriesEnvCookingFuelBiogas%HHTotal**
- **SeriesEnvCookingFuelBiomass%HHTotal**
- **SeriesEnvCookingFuelCharcoal%HHTotal**
- **SeriesEnvCookingFuelClean%HHTotal**
- **SeriesEnvCookingFuelCoal%HHTotal**
- **SeriesEnvCookingFuelCropWaste%HHTotal**
- **SeriesEnvCookingFuelDung%HHTotal**
- **SeriesEnvCookingFuelElec%HHTotal**
- **SeriesEnvCookingFuelKerosene%HHTotal**
- **SeriesEnvCookingFuelLNG%HHTotal**
- **SeriesEnvCookingFuelLPG%HHTotal**
- **SeriesEnvCookingFuelSolid%HHTotal**
- **SeriesEnvCookingFuelWood%HHTotal**

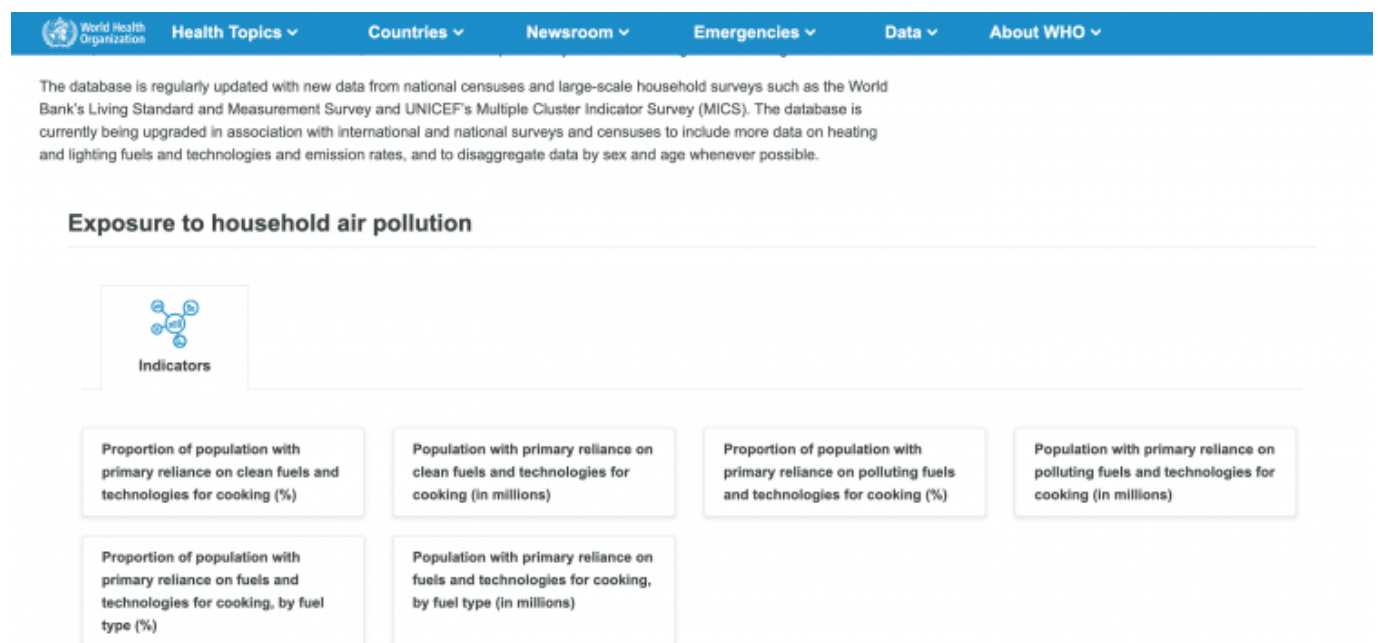
To pull data from the Household Energy Database for uploading into IFs, please follow the instructions below.

Steps to Pull Data From the Household Energy Database

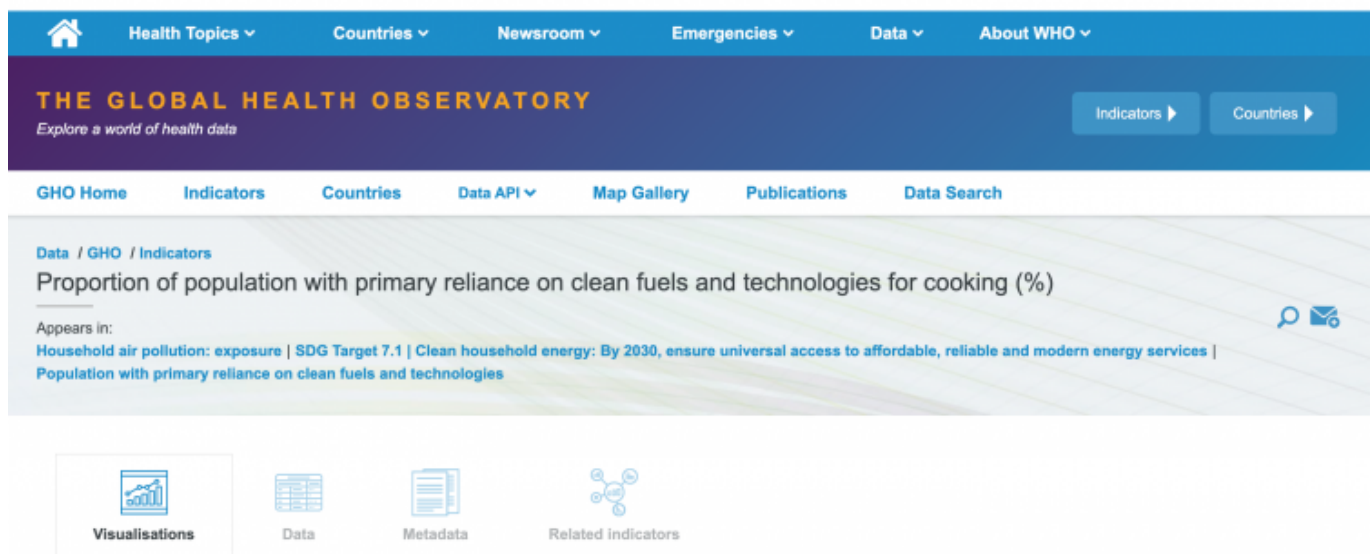
Step 1: Navigate to the Household Energy Database home page



Step 2: Scroll down to the indicators section and click the desired indicator. As an example, we will be looking for **population with primary reliance on clean fuels and technologies for cooking**.



You will be navigated here:



The screenshot shows the WHO Global Health Observatory website. The top navigation bar is blue with white text and icons for Home, Health Topics, Countries, Newsroom, Emergencies, Data, and About WHO. Below this is a dark blue banner with the text 'THE GLOBAL HEALTH OBSERVATORY' and 'Explore a world of health data'. To the right of the banner are two buttons: 'Indicators' and 'Countries'. Below the banner is a light blue navigation bar with links: GHO Home, Indicators, Countries, Data API, Map Gallery, Publications, and Data Search. The main content area has a breadcrumb trail 'Data / GHO / Indicators' and a title 'Proportion of population with primary reliance on clean fuels and technologies for cooking (%)'. Below the title is a section 'Appears in:' with links to 'Household air pollution: exposure', 'SDG Target 7.1', and 'Clean household energy: By 2030, ensure universal access to affordable, reliable and modern energy services'. At the bottom is a row of four icons: Visualisations, Data, Metadata, and Related indicators. The 'Data' icon is highlighted with a red border.

Step 3: Click the tab titled "Data"



This screenshot is identical to the one above, showing the WHO Global Health Observatory website. The 'Data' icon in the bottom navigation bar is highlighted with a red border, indicating the next step in the process.

You will be navigated to this view:



Proportion of population with primary reliance on clean fuels and technologies for cooking (%)

FILTERS

EXPORT DATA in CSV format:
Right-click here & Save link

Last updated: 2022-08-25

Indicator	Proportion of population with primary reliance on clean fuels and technologies for cooking (%)						
Period	2020			2019			2018
Location	Total	Urban	Rural	Total	Urban	Rural	Total
Afghanistan	33.2 [19.2 – 50.3]	82.6 [62.4 – 95.4]	15.9 [5.7 – 30.7]	31.9 [17.8 – 48.3]	82.3 [63.2 – 95.1]	15.1 [5.5 – 28.8]	30.9 [17.5 – 46.5]
Albania	81.3 [60.6 – 94.8]	92.9 [73 – 99.8]	64.6 [31.5 – 89.9]	80.7 [60.5 – 94.3]	92.3 [73.1 – 99.6]	63.25 [31.2 – 88.2]	79.8 [60.4 – 93.3]
Algeria	99.7 [94.7 – 100]	99.9 [95 – 100]	98.8 [89.1 – 100]	99.7 [94.2 – 100]	100 [94.9 – 100]	98.7 [89 – 100]	99.6 [94.5 – 100]
Andorra	100 [100 – 100]	100 [100 – 100]	100 [100 – 100]	100 [100 – 100]	100 [100 – 100]	100 [100 – 100]	100 [100 – 100]
Angola	50.2 [30.2 – 68.4]	77.6 [52.8 – 93.2]	8.3 [1.2 – 23.9]	49.5 [31.4 – 67.7]	77.9 [55.1 – 92.8]	8.2 [1.4 – 21.4]	49.1 [31.3 – 66.9]
Antigua and Barbuda	100 [100 – 100]	100 [100 – 100]	100 [100 – 100]	100 [100 – 100]	100 [100 – 100]	100 [100 – 100]	100 [100 – 100]
Argentina	99.9 [95.1 – 100]	99.9 [95.8 – 100]	97.2 [74.8 – 100]	99.9 [94.4 – 100]	99.9 [95.9 – 100]	97 [74.6 – 100]	99.8 [95 – 100]
Armenia	98.1 [86.6 – 100]	99.7 [91 – 100]	95.8 [74.7 – 100]	98 [87 – 100]	99.6 [91.7 – 100]	95.7 [74 – 100]	98 [87 – 100]
Australia	100 [100 – 100]	100 [100 – 100]	100 [100 – 100]	100 [100 – 100]	100 [100 – 100]	100 [100 – 100]	100 [100 – 100]
Austria	100 [100 – 100]	100 [100 – 100]	100 [100 – 100]	100 [100 – 100]	100 [100 – 100]	100 [100 – 100]	100 [100 – 100]

Step 4: Right click the link in the corner of the page (circled below) and open the link as a new tab to download the data in a .csv format



Proportion of population with primary reliance on clean fuels and technologies for cooking (%)

FILTERS

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Period	2020			2019			2018	
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Afghanistan	33.2 [19.2 – 50.3]	82.6 [62.4 – 95.4]	15.9 [5.7 – 30.7]	31.9 [17.8 – 48.3]	82.3 [63.2 – 95.1]	15.1 [5.5 – 28.8]	30.9 [17.5 – 46.5]	8
Albania	81.3 [60.6 – 94.8]	92.9 [73 – 99.8]	64.6 [31.5 – 89.9]	80.7 [60.5 – 94.3]	92.3 [73.1 – 99.6]	63.25 [31.2 – 88.2]	79.8 [60.4 – 93.3]	9
Algeria	99.7 [94.7 – 100]	99.9 [95 – 100]	98.8 [89.1 – 100]	99.7 [94.2 – 100]	100 [94.9 – 100]	98.7 [89 – 100]	99.6 [94.5 – 100]	1
Andorra	100 [100 – 100]	100 [100 – 100]	100 [100 – 100]	100 [100 – 100]	100 [100 – 100]	100 [100 – 100]	100 [100 – 100]	1
Angola	50.2 [30.2 – 68.4]	77.6 [52.8 – 93.2]	8.3 [1.2 – 23.9]	49.5 [31.4 – 67.7]	77.9 [55.1 – 92.8]	8.2 [1.4 – 21.4]	49.1 [31.3 – 66.9]	7
Antigua and Barbuda	100 [100 – 100]	100 [100 – 100]	100 [100 – 100]	100 [100 – 100]	100 [100 – 100]	100 [100 – 100]	100 [100 – 100]	1
Argentina	99.9 [95.1 – 100]	99.9 [95.8 – 100]	97.2 [74.8 – 100]	99.9 [94.4 – 100]	99.9 [95.9 – 100]	97 [74.6 – 100]	99.8 [95 – 100]	9
Armenia	98.1 [86.6 – 100]	99.7 [91 – 100]	95.8 [74.7 – 100]	98 [87 – 100]	99.6 [91.7 – 100]	95.7 [74 – 100]	98 [87 – 100]	9
Australia	100 [100 – 100]	100 [100 – 100]	100 [100 – 100]	100 [100 – 100]	100 [100 – 100]	100 [100 – 100]	100 [100 – 100]	1
Austria	100 [100 – 100]	100 [100 – 100]	100 [100 – 100]	100 [100 – 100]	100 [100 – 100]	100 [100 – 100]	100 [100 – 100]	1

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This page was last edited on 17 February 2023, at 03:35.