



Institute for Health Metrics and Evaluation

Data Release Information Sheet

Data Summary

Dataset name: Global Burden of Disease Study 2019 (GBD 2019) Smoking Tobacco Use Prevalence 1990-2019

Date of release: May 27, 2021

Summary:

The Global Burden of Disease Study 2019 (GBD 2019), coordinated by the Institute for Health Metrics and Evaluation (IHME), estimated the burden of diseases, injuries, and risk factors for 204 countries and territories and selected subnational locations.

Estimates of smoking tobacco use and the burden attributable to this risk factor were produced by sex, age group, and year for 204 countries and territories for 1990-2019. Files available in this record include estimates of the prevalence of smoking tobacco use, number of people that currently use smoked tobacco products, and supply-side tobacco availability and consumption. Estimates of disease burden attributable to smoking tobacco use are available through the [GBD Results Tool](#).

For additional GBD results and resources, visit the [GBD 2019 Data Resources page](#).

Relevant publications and visualizations:

GBD 2019 Tobacco Collaborators. Spatial, temporal, and demographic patterns in prevalence of smoking tobacco use and attributable disease burden in 204 countries and territories, 1990–2019: a systematic analysis from the Global Burden of Disease Study 2019. *The Lancet*. 27 May 2021.

Acknowledgements

Contributing organizations:

- Global Burden of Disease Collaborative Network

Funders:

- Bloomberg Philanthropies
- Bill and Melinda Gates Foundation (BMGF)

Suggested Citation:

Global Burden of Disease Collaborative Network. Global Burden of Disease Study 2019 (GBD 2019) Smoking Tobacco Use Prevalence 1990-2019. Seattle, United States of America: Institute for Health Metrics and Evaluation (IHME), 2021.

Data Files Information

File Inventory

File Name	Description	Version Date
IHME_GBD_2019_SMOKING_TOB_19_90_2019_PREV_Y2021M05D27.CSV	Age-Standardized Smoking Prevalence Estimates	May 27 2021
IHME_GBD_2019_SMOKING_TOB_19_90_2019_NUM_SMOKERS_Y2021M05D27.CSV	Number of Smokers Estimates	May 27 2021
IHME_GBD_2019_SMOKING_TOB_19_90_2019_PCT_CHANGE_Y2021M05D27.CSV	Percent Change in Age-Standardized Smoking Prevalence and Number of Smokers Estimates	May 27 2021
IHME_GBD_2019_SMOKING_TOB_19_90_2019_CIG_PC_Y2021M05D27.CSV	Cigarette-Equivalents Per Capita Estimates	May 27 2021
IHME_GBD_2019_SMOKING_TOB_19_90_2019_CODEBOOK_Y2021M05D27.CSV	Codebook	May 27 2021
IHME_GBD_2019_SMOKING_TOB_19_90_2019_INFO_SHEET_Y2021M05D27.PDF	Data Release Information Sheet	May 27 2021

Variable Information

Variable	Variable Label	Variable Definition
measure_name	Measure Name	<p>The measure (indicator) of the estimate.</p> <p>Possible values:</p> <ul style="list-style-type: none"> • % Change in Age-Standardized Smoking Prevalence, 1990-2019 • % Change in Number of Smokers, 1990-2019 • Age-Standardized Smoking Prevalence • Cigarette-Equivalents Per Capita • Number of Smokers
location_ID	Location ID	<p>A unique numeric identifier for the location generated and stored in an IHME database of data dimensions.</p> <p>Possible values: See Codebook file for values</p>
location_name	Location Name	<p>The location of the estimate.</p> <p>Possible values: See Codebook file for values</p>
sex_ID	Sex ID	<p>A unique numeric identifier for the sex generated and stored in an IHME database of data dimensions.</p> <p>Possible values: 1, 2, 3</p>
sex_name	Sex Name	<p>The gender for the estimate.</p> <p>Possible values: Male, Female, Both</p>
age_group_ID	Age Group ID	<p>A unique numeric identifier for the age group generated and stored in an IHME database of data dimensions.</p> <p>Possible values: 29</p>
age_group_name	Age Group Name	<p>The age group for the estimate.</p> <p>Possible values: 15+ years</p>

Variable	Variable Label	Variable Definition
year_id	Year ID	The time period for the estimate. Possible values: Years in the range 1990-2019
val	Value	Mean estimate.
upper	95% Uncertainty Interval - Upper Bound	97.5% percentile estimate.
lower	95% Uncertainty Interval - Lower Bound	2.5% percentile estimate.

Data Input Sources

Records for all input sources used to produce these estimates are available from the [GBD 2019 Data Input Sources Tool](#).

Code

Code used to produce these estimates is available here: https://github.com/ihmeuw/ihme-modeling/tree/main/gbd_2019/risk_factors_code/smoking_direct.

Additional Information

Terms and Conditions

<http://www.healthdata.org/about/terms-and-conditions>

Contact information

To request further information about this dataset, please contact IHME:

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These files may be updated periodically, so we appreciate hearing feedback or additional information about how these data are being used.