



Institute for Health Metrics and Evaluation

Data Release Information Sheet

Data Summary

Dataset name: Global Young People Smoking Prevalence and Initiation Age 1990-2019

Date of release: May 27, 2021

Summary:

Estimates of smoking prevalence among young people ages 15 to 24 and age of smoking initiation for adults ages 20 to 54 were produced by sex and year for 204 countries and territories for 1990-2019. Files available in this record include estimates of the prevalence of smoking among young people, mean age of initiation, and quantiles from the distribution of initiation age. Study results were published in *The Lancet Public Health* in May 2021 in "Spatial, temporal, and demographic patterns in smoking prevalence and initiation among young people in 204 countries and territories, 1990-2019."

Relevant publications and visualizations:

Reitsma MB, Flor LS, Mullany EC, Gupta V, Hay SI, Gakidou E. Spatial, temporal, and demographic patterns in smoking prevalence and initiation among young people in 204 countries and territories, 1990-2019. *The Lancet Public Health*. 27 May 2021.

Acknowledgements

Contributing organizations:

- Institute for Health Metrics and Evaluation (IHME)

Funders:

- Bloomberg Philanthropies

Suggested Citation:

Institute for Health Metrics and Evaluation (IHME). Global Young People Smoking Prevalence and Initiation Age 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_AGE_1990_2019_PREV_Y2021M05D27.CSV	Current smoking prevalence estimates, young adults ages 15 to 24, 1990-2019	May 27, 2021
IHME_GBD_2019_SMOKING_AGE_1990_2019_INIT_AGE_Y2021M05D27.CSV	Mean age of initiation estimates, adults ages 20 to 54, 1990-2019	May 27, 2021
IHME_GBD_2019_SMOKING_AGE_1990_2019_QUANTILES_Y2021M05D27.CSV	Quantiles from the distribution of initiation age, 2019	May 27, 2021
IHME_GBD_2019_SMOKING_AGE_1990_2019_PREV_CODEBOOK_Y2021M05D27.CSV	Codebook - Current smoking prevalence	May 27, 2021
IHME_GBD_2019_SMOKING_AGE_1990_2019_INIT_AGE_CODEBOOK_Y2021M05D27.CSV	Codebook - Mean age of initiation	May 27, 2021
IHME_GBD_2019_SMOKING_AGE_1990_2019_QUANTILES_CODEBOOK_Y2021M05D27.CSV	Codebook - Quantiles from the distribution of initiation age	May 27, 2021
IHME_GBD_2019_SMOKING_AGE_1990_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"> • Prevalence • Number of Smokers • Percent Change in Prevalence • Mean Age of Initiation • Initiation Age Quantiles

Variable	Variable Label	Variable Definition
location_ID	Location ID	A unique numeric identifier for the location generated and stored in an IHME database of data dimensions. Possible values: See Codebook file for values
location_name	Location Name	The location of the estimate. Possible values: See Codebook file for values
sex_ID	Sex ID	A unique numeric identifier for the sex generated and stored in an IHME database of data dimensions. Possible values: 1, 2
sex_name	Sex Name	The gender for the estimate. Possible values: Male, Female
age_group_ID	Age Group ID	A unique numeric identifier for the age group generated and stored in an IHME database of data dimensions. Possible values: 149, 284
age_group_name	Age Group Name	The age group for the estimate. Possible values: 15 to 24, 20 to 54 years
year_id	Year ID	The time period for the estimate. Possible values: Individual years in the range 1990-2019, 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.
10th_pctl	90th_pctl	10th percentile of the distribution of initiation age among current smokers ages 20-54 in 2019
10th Percentile	90th Percentile	90th percentile of the distribution of initiation age among current smokers ages 20-54 in 2019

Data Input Sources

Records for all input sources used to produce these estimates are available from the following:

- [GBD 2019 Data Input Sources Tool](#)
- [Global Burden of Disease Study 2019 \(GBD 2019\) Covariates 1980-2019](#): Tobacco (cigarettes per capita)

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.