Skip to Main Content

Centers for Disease Control and Prevention
CDC 24/7: Saving Lives. Protecting People.™

Search

Home Health Topics Outbreaks About CDC Sign In

About Data Related Content

Actions

Access this Dataset via OData

Use OData to open the dataset in tools like Excel or Tableau. This provides a direct connection to the data that can be refreshed on-demand within the connected application.

Tableau users should select the OData v2 endpoint option.

Socrata OData Documentation

OData Endpoint

https://data.cdc.gov/api/odata/v4/dqwm-pbi7 OData V4 Copy

Done

Export

Daily County-Level PM2.5 Concentrations, 2001-2019

Environmental Health & Toxicology

This dataset provides modeled predictions of PM2.5 levels from the EPA's Downscaler model. Data are at the county level for 2001-2019. These data are used by the CDC's National Environmental Public Health Tracking Network to generate air quality measures. Census tract-level datasets contain estimates of the mean predicted concentration and associated standard error. Please refer to the metadata attachment for more information.

Learn more about outdoor air quality on the Tracking Network's website: https://ephtracking.cdc.gov/showAirLanding.action.

By using these data, you signify your agreement to comply with the following requirements:
1. Use the data for statistical reporting and analysis only.
2. Do not attempt to learn the identity of any person included in the data and do not combine these data with other data for the purpose of matching records to identify individuals.

3. Do not disclose of or make use of the identity of any person or establishment discovered inadvertently and report the discovery to: trackingsupport@cdc.gov.
4. Do not imply or state, either in written or oral form, that interpretations based on the data are those of the original data sources and CDC unless the data user and data source are formally collaborating.
5. Acknowledge, in all reports or presentations based on these data, the original source of the data and CDC.
6. Suggested citation: Centers for Disease Control and Prevention. National Environmental Public Health Tracking Network. Web. Accessed: insert date. www.cdc.gov/ephtracking.

Read less

Last UpdatedSeptember 19, 2023
Data Provided ByCDC National Environmental Public Health Tracking Network

About this Dataset

Updated
September 19, 2023

Data Last Updated September 19, 2023

Metadata Last Updated September 19, 2023

Date Created February 17, 2023

Views	Downloads
2,004	521

Data Provided by CDC National Environmental Public Health Tracking Network

Dataset Owner cak8@cdc.gov

Common Core

Contact Name	Craig Kassinger
Contact Email	nephtrackingsupport@cdc.gov
Public Access Level	public
Bureau Code	009:20
Program Code	009:020
Geographic Coverage	U.S. states

Temporal Applicability	2001-2019
Homepage	https://ephtracking.cdc.gov/DataExplorer/#/

Data Quality

Geospatial Resolution	county

Topics

Category	Environmental Health & Toxicology
Tags	environmental health, air pollution, asthma, pm2.5, particulate matter, air quality, national ambient air quality standards, national environmental health tracking network

Licensing and Attribution

License	*The license for this dataset is unspecified*
Source Link	https://ephtracking.cdc.gov/DataExplorer/#/

What's in this Dataset?

Rows
4.54M
Columns
8

Columns (8)

Column Name	Description	API Field Name	Data Type
# year	Year of prediction	year	Number
Tt date	Date (day-month-year) of prediction	date	Text
# statefips	State FIPS code	statefips	Number
# countyfips	County FIPS code	countyfips	Number
# PM25_max_pred	Maximum estimated 24-hour average PM2.5 concentration in µg/m3 for the county	pm25_max_pred	Number
# PM25_med_pred	Median estimated 24-hour average PM2.5 concentration in µg/m3 for the county	pm25_med_pred	Number

	Description		
# PM25_mean_pred	Mean estimated 24-hour average PM2.5 concentration in µg/m3 for the county	pm25_mean_pred	Number
# PM25_pop_pred	Population-weighted estimated 24-hour average PM2.5 concentration in µg/m3 for the county	pm25_pop_pred	Number

Rows per page: 15 1-8 of 8

Dataset Changelog

No changes have been archived yet

Open this dataset in Carto?

Your browser will be redirected to Carto, would you like to proceed?
Note that Carto has a file size limit of 150MB or 500,000 rows.
Learn about more external integrations at
https://support.socrata.com/hc/en-us/articles/115010730868
Close Open

Open this dataset in Plot.ly?

Your browser will be redirected to Plot.ly, would you like to proceed?
Note that Plot.ly has a file size limit of 5MB.
Learn about more external integrations at
https://support.socrata.com/hc/en-us/articles/115010730868
Close Open

Send a Message to the Owner of this Dataset

Send a short message to the dataset owner to ask a question, make a comment, or point out something about the data.

Subject
Message
Your Email (Your email address will be shared with the dataset owner so they can get back to you)

I'm not a robot
reCAPTCHA
Privacy - Terms

Cancel Send

Manage Featured Content

Featured Content

What would you like people to see when they first view this dataset? Promote up to 3 Socrata assets that use this data, or choose to feature any relevant external resources. Think of this section as the face of your data.

Add...
Add...
Add...
Done