

1. Dataset 1 – U.S. Chronic Disease Indicators: Asthma

a. **Link:**

<https://chronicdata.cdc.gov/Chronic-Disease-Indicators/U-S-Chronic-Disease-Indicators-Asthma/us8e-ubyj>

- b. **Description of dataset:** CDC's Division of Population Health provides cross-cutting set of 124 indicators that were developed by consensus and that allows states and territories and large metropolitan areas to uniformly define, collect, and report chronic disease data that are important to public health practice and available for states, territories and large metropolitan areas. This specific dataset is filtered by the asthma indicator.

c. **Data dictionary:**

Column Name	Description	Type
YearStart	Starting year of data	Number
YearEnd	Ending year of data	Number
LocationAbbr	Two letter state description	Plain Text
LocationDesc	State Name	Plain Text
DataSource	Data Source (BRFSS, SEDD, SID, NVSS)	Plain Text
Topic	Related Topic for Data (Asthma)	Plain Text
Question	Asthma-related health	Plain Text

	question	
Response	Response to Question	Plain Text
DataValueUnit	Value unit for question	Plain Text
DataValueType	Value type for question	Plain Text
DataValue	Data value for question	Plain Text
DataValueAlt	Alternative data value	Number
DataValueFootnoteSymbol	Symbol	Plain Text
DatavalueFootnote	Footnotes or additional notes for data value	Plain Text
LowConfidenceLimit	Low confidence limit for data value	Number
HighConfidenceLimit	High confidence limit for data value	Number
StratificationCategory1	1st stratification category for data	Plain Text
Stratification1	Corresponding stratification for stratification category 1	Plain Text

StratificationCategory2	2nd Stratification category for data	Plain Text
Stratification2	Corresponding stratification for stratification category 2	Plain Text
StratificationCategory3	3nd Stratification category for data	Plain Text
Stratification3	Corresponding stratification for stratification category 3	Plain Text
ResponseID	ID for corresponding data	Plain Text
LocationID	ID for corresponding data	Plain Text
TopicID	ID for corresponding data	Plain Text
QuestionID	ID for corresponding data	Plain Text
DataValueTypeID	ID for corresponding data	Plain Text
StratificationCategoryID1	ID for corresponding data	Plain Text
StratificationID1	ID for corresponding data	Plain Text
StratificationCategoryID2	ID for corresponding data	Plain Text

StratificationID2	ID for corresponding data	Plain Text
StratificationCategoryID3	ID for corresponding data	Plain Text
StratificationID3	ID for corresponding data	Plain Text

2. Dataset 2 – Daily Census Tract-Level PM2.5 Concentrations, 2011-2014

a. **Link:**

<https://data.cdc.gov/Environmental-Health-Toxicology/Daily-Census-Tract-Level-PM2-5-Concentrations-2011/fcqm-xrf4>

- b. **Description of dataset:** This dataset provides modeled predictions of PM2.5 levels from the EPA's Downscaler model. Data are at the census tract level for 2011-2014. 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.

c. **Data dictionary:**

Column Name	Description
year	Year of prediction
date	Date (day-month-year) of prediction
statefips	State FIPS code
countyfips	County FIPS code
ctfips	Census tract FIPS code
latitude	Latitude of census tract centroid (degrees)
longitude	Longitude of census tract centroid (degrees)
ds_pm_pred	Mean estimated 24-hour average PM2.5 concentration in $\mu\text{g}/\text{m}^3$
ds_pm_stdd	Standard error of the estimated PM2.5 concentration