City Health Dashboard
Downloadable Data Codebook

Version 7.2: Updated October 7, 2019

Accompanies downloadable data v7.1

Contents

SECTION 1: Overview

The City Health Dashboard (the Dashboard) is a one-stop resource allowing users to view and compare data from multiple sources on health and the factors that shape health to guide local solutions. Through a vigorous selection process, the City Health Dashboard selected 37 metrics spanning five domains — clinical care, health behaviors, health outcomes, physical environment and social and economic factors — to quantify health, health determinants, and equity at the city level and, where available, census tract level.

Metrics are derived from both private and publicly available data sources, with some data sources contributing several metrics and others contributing only a single metric.

Document Mission

This document is written for an audience interested in using the data available for download. It should be used in conjunction with the City Health Dashboard Technical Document Part 1 and City Health Dashboard Technical Document Part 2: State-based Education Technical Document, which outline technical attributes of the data sources used on the Dashboard.

Users are invited to contact the Dashboard (info@cityhealthdashboard.com) with general feedback or questions not addressed below.

Downloading Dashboard Data

Dashboard data is available for free download at http://cityhealthdashboard.com/data-downloads. Data are released through an API and available for download in CSV and .txt formats. This codebook is intended for use with data released in any of these formats.

Citing Dashboard Data and Technical Document

Dashboard data:
> City Health Dashboard. *City Health Dashboard Data.* New York: City Health Dashboard; 2018. Available for download at www.cityhealthdashboard.com.

Data Updates

Dashboard data – both as displayed online and available for download – is updated periodically as underlying datasets are refreshed. Data release updates are announced by email. Data versioning is tracked by the date_export variable in downloadable date files, the version number indicated in folder and file names (see below for more detail), and the version variable. Please email info@cityhealthdashboard.com with any questions or concerns.

Only data that are displayed on the Dashboard is available for download; older versions of Dashboard data are not available. Users in need of archived data should contact info@cityhealthdashboard.com.

Feedback or Errors

Users are encouraged to contact the Dashboard with comments or questions regarding cityhealthdashboard.com and any documents available for download from it, including this Codebook, at info@cityhealthdashboard.com.

SECTION 2: Key Notes on Downloadable Data

<u>Data Available for Download</u>

The Dashboard's data are accessible in two modes:

1) Downloadable CSV and .txt files
2) API

The following data tables are available from the Dashboard:

Master Geographic Identifier List	The Dashboard's master geographic identifiers data files are presented here. Data are provided on the API and in both CSV and .txt format.
500 Cities Dataset	Users may access data for all cities and all tracts represented on the Dashboard. Data at the **city** level (all 500 cities) are presented on the API and in a single data file; data at the **tract** level (all census tracts in all 500 cities) are available on the API and in a separate, single downloadable data file.
Datasets, by State	Users may download CSV and .txt files for all cities and all tracts represented on the Dashboard <u>within individual states</u>. The number of cities represented on the Dashboard varies by state (see the Technical Documentation for more detail on how cities were selected). Downloading data <u>for a single state</u> prompts download of separate **city**- and **tract**-level data files that include all geographies in the state represented on the Dashboard.

<u>Data Unavailable for Download</u>

Data for the following metrics are unavailable for download:

- As of December 20, 2018, **primary care physicians** data are temporarily removed from the Dashboard site. See Section 8 for more detail.

- Tract-level **walkability** data are unavailable for download as per the terms of the Dashboard's data use agreement *(NOTE: city-level walkability data are included in downloadable data files)*

Data for cities not on the Dashboard are not available for download. A list of all cities on the Dashboard is available at https://www.cityhealthdashboard.com/files/City_and_County_List_-_5.18.18-fd6bbd14f0e877002f7182195263e62d.pdf.

Accessing Multi-Year Data

The Dashboard displays more than one year of data for most metrics. The year(s) of data for each metric are outlined in the Dashboard's Technical Documentation.

Please note that multi-year data is available only through the Dashboard's API. Due to file size constraints, the downloadable CSV and .txt files contain only the most recently available year of data for each metric. See Appendix A for a listing of data years available for each metric.

Requests for multi-year data in CSV or .txt format may be emailed to info@cityhealthdashboard.com and will be reviewed on a case-by-case basis.

API Access and Documentation

The Dashboard's API can be accessed at https://www.cityhealthdashboard.com/data-access. API-specific documentation is available through the API portal.

The Beta version of the Dashboard's API was released on June 12, 2019. Users are invited to contact info@cityhealthdashboard.com with comments or feedback about the API's functionality or documentation.

CSV and .txt File Structure

Data are provided in both CSV and .txt file format within the zipped file. All corresponding CSV and .txt files have identical contents. The Dashboard provides both CSV and .txt file formats for download to maximize flexibility for users.

Users are cautioned that leading zeroes are dropped in CSV files but not .txt files. For example, a FIPS code of 01 will appear as 1 in a CSV file and 01 in its corresponding .txt file; a FIPS code of 040703 will appear as 40703 in a CSV file and 040703 in its corresponding .txt file.

Metrics with Demographic Breakdown

Data for specific demographic groups is released in parallel with data released on the web interface. Demographic group-specific data are released at the city level only; tract-level estimates are never disaggregated by demographic subgroup.

Technical Documentation

Users are strongly encouraged to review the Technical Documentation available at https://www.cityhealthdashboard.com/technical-documentation in conjunction with this Codebook prior to data analysis.

Note on Geographic Identifiers

The Federal Information Processing Series (FIPS), formerly Federal Information Processing Standards, are codes for geographic entities maintained and issued by the Census Bureau. When concatenated as State-County, State-Place, or State-County-Tract, FIPS codes function as unique identifiers for geographic entities. The Census Bureau assigns codes to geographic entities such as tracts, which are not covered by FIPS.[1] Note: Census Bureau codes for tracts are referred to as Tract FIPS within the Dashboard. For more detailed information, refer to Technical Document Part 1, Appendix Section D.

Note on Honolulu, HI FIPS code

The Dashboard reports data for the 500 most populous cities in the nation as selected by the CDC's 500 Cities Project.[2] The Dashboard selected city and tract FIPS codes as census tract boundary shapefiles released by the 500 Cities Project.[3] As per the CDC 500 Cities Project,[4] the Dashboard uses the FIPS code for the county of Honolulu, Hawaii (15-003) to represent the geographic area associated with the city of Honolulu (Urban Honolulu CDP, FIPS code 15-71550). Dashboard metric values for the city of Honolulu, HI are calculated using values for Honolulu County (FIPS 15-003) where county-level data are available; otherwise, metric values for Honolulu city (FIPS code 15-71550) are presented. *Please note that the place_FIPS variable (see Sections 3-4 below) records Honolulu's FIPS as 00003, not 003.* See Technical Document Part 1, Appendix E for a summary of the geographic coding used for Honolulu, HI, per metric.

Note on Macon, GA FIPS code

As of 2013, American Community Survey data do not publish data for the city of Macon, GA (FIPS code 13-49000). Metrics calculated using American Community Survey data present data for Bibb County (FIPS code 13-021), which shares a consolidated government with Macon, for the city of Macon, GA.[5,6] NVSS metrics calculated using data from 2015 and later use data from Bibb County. See Technical Document Part 1, Appendix E for a summary of the geographic coding used for Macon, GA, per metric.

Note on Versioning

Please note that all of the following entities are versioned:

1. Data
2. Technical Document Part 1
3. Technical Document Part 2: Education Data
4. Codebook

While version numbers across entities may "hover" closely, versioning of each entity is independent. Please contact info@cityhealthdashboard.com with any questions.

Coding of Numeric Variables: Not Applicable versus Unavailable/Censored

Coding distinguishes between (a) data that are not released because the value was *not applicable* to the metric and (b) data that are missing because they were *censored or unavailable in an underlying dataset*.

Not Applicable is Represented by -999

An entry of -999 indicates "not applicable".

For example, a value of -999 under the variables "lci" and "uci" means that confidence intervals are not calculated for this value (see Example A).

Example A: Screenshot of CSV output

Here, only the estimate (an index value) is valid for analysis. The numerator, denominator, confidence intervals and county and education indicator values are not applicable, as indicated by the -999 values.

Unavailable/Censored is Represented by Blank (Missing)

A *blank* (missing) value indicates that the value was unavailable in an underlying dataset OR was censored by the Dashboard in accordance with terms of a data use agreement.

For example, a value of " " under the variable "est" for metric X for city Y means that the estimate for metric X for city Y is censored or unavailable (see Example B).

See Technical Documentation Parts 1 and 2 for more detail on data censorship.

Example B: Screenshot of CSV output
Here, the estimate and confidence intervals are valid for analysis, but are not released due to censorship or missingness. The numerator, denominator and county and education indicator values are not applicable, as indicated by the -999 values.

Note on Missing ZIP Codes

Users may notice that a small number of census tracts (variable stcotr_fips) in the geographic master files are not associated with a ZIP code (variable zip_code). The ZIP code data are unavailable because the United States Postal Service does not assign a ZIP code to every census tract. Users interested in more on this topic may refer to a brief overview[7] published by the University of Central Florida.

Appropriate Data Use

See the Dashboard's Using Multi-year Data: Tips and Cautions at https://www.cityhealthdashboard.com/multi-year-data for more information on appropriate use of multi-year data.

See the Dashboard's FAQ at https://www.cityhealthdashboard.com/faq for more information.

SECTION 3: File Layout for Geographic Master Files

Outline of data in this layout

- Geographic identifiers:
  - CHDB_geographic_identifiers.csv
  - CHDB_geographic_identifiers.txt
  - API base endpoint: geographic-identifier

Variable Information **(12 Variables)**

Variable name	Item and code outline	Format	Notes
state_abbr	State abbreviation	String	
state_name	State name	String	
state_fips	State FIPS code	*API:* String *CSV or .txt:* Numeric	2 digits **(note that CSV drops leading zero)**
county_fips	County FIPS code	*API:* String *CSV or .txt:* Numeric	3 digits **(note that CSV drops leading zero)**
stco_fips	State, County FIPS code (Concatenation of state and county FIPS codes)	*API:* String *CSV or .txt:* Numeric	5 digits **(note that CSV drops leading zero)**
county_name	County name	String	
place_fips	Place FIPS code	*API:* String *CSV or .txt:* Numeric	5 digits **(note that CSV drops leading zero)**
stpl_fips	State, Place FIPS code (Concatenation of state and place FIPS codes)	*API:* String *CSV or .txt:* Numeric	7 digits **(note that CSV drops leading zero)** NOTE: Corresponds to var Geo_id2 in place-level US Census data downloaded from American FactFinder.[8]
city_name	City name	String	
tract_code	Tract code	*API:* String *CSV or .txt:* Numeric	6 digits **(note that CSV drops leading zero)**
stcotr_fips	State, County, Tract FIPS code (Concatenation of state, county and tract FIPS codes)	*API:* String *CSV or .txt:* Numeric	11 digits **(note that CSV drops leading zero)** NOTE: This variable is a unique identifier for census tracts. It corresponds to variable Geo_id2 in tract-level US Census data downloaded from American FactFinder.[8]
zip_code	Zip Code	*API:* String *CSV or .txt:* Numeric	5 digits **(note that CSV drops leading zero)**

SECTION 4: Dictionary of <u>City</u> Data

<u>Outline of data in this layout</u>

- 500 Cities Dataset:
    - CHDB_data_city_all.csv
    - CHDB_data_city_all.txt
    - API base endpoint: city-metric
-
- Datasets, by State:
    - CHDB_data_city_stateabbreviation.csv *(e.g., data file 'CHDB_data_city_AL,' contains all metrics, all cities in Alabama in a CSV format)*
    - CHDB_data_city_stateabbreviation.txt *(e.g., data file 'CHDB_data_city_AL,' contains all metrics, all cities in Alabama in a .txt format)*

<u>Variable Information</u> **(21 Variables)**

Variable name	Item and code outline	Format	Notes
state_abbr	State abbreviation	String	
state_fips	State FIPS code	*API:* String *CSV or .txt:* Numeric	2 digits **(note that CSV drops leading zero)**
place_fips	Place FIPS code	*API:* String *CSV or .txt:* Numeric	5 digits **(note that CSV drops leading zero)**
stpl_fips	State, Place FIPS code (Concatenation of state and place FIPS codes)	*API:* String *CSV or .txt:* Numeric	7 digits **(note that CSV drops leading zero)** NOTE: This variable is a unique identifier for places (cities). It corresponds to variable Geo_id2 in US Census data downloaded from American FactFinder.[8]
city_name	City name	String	
metric_name	Metric name (text)	String	

Continued below

Variable name	Item and code outline	Format	Notes
metric_number	Metric (numeric identifier) 1 = Absenteeism 2 = Air pollution - particulate matter 3 = Binge drinking 4 = Children in poverty 5 = Dental care 6 = Diabetes 7 = Frequent mental distress 8 = Frequent physical distress 9 = High blood pressure 10 = High school graduation 11 = Housing cost, excessive 12 = Housing with potential lead risk 13 = Income inequality 14 = Lead exposure risk index 15 = Limited access to healthy foods 16 = Neighborhood racial/ethnic segregation 17 = Obesity 18 = Physical inactivity 19 = Preventive services 20 = Primary care physicians 21 = Racial/ethnic diversity 22 = Smoking 23 = Third-grade reading proficiency 24 = Unemployment 25 = Uninsured 26 = Violent crime 27 = Walkability 28 = Breast cancer deaths 29 = Cardiovascular disease deaths 30 = Colorectal cancer deaths 31 = Premature deaths (all causes) 32 = Opioid overdose deaths 33 = Teen births 34 = Prenatal care 35 = Low birthweight 36 = Park access 37 = Life expectancy	Numeric (categorical variable)	Note regarding **Primary care physicians**: As of December 20, 2018, this metric is temporarily removed from the Dashboard. The Dashboard will post updates as they are available. Data for this metric are not released in downloadable data v4.0-v7.0. Users should exercise caution in interpreting primary care physician estimates released in previous downloadable data versions. Email info@cityhealthdashboard.com with any questions.
group_name	Demographic group (text)	String	

Continued below

Variable name	Item and code outline	Format	Notes
group_number	Race/ethnicity or gender group (numeric identifier) 1 = total population 2 = female 3 = male 4 = asian 5 = black 6 = hispanic 7 = white 8 = other 9 = age 0-17 11 = age 0-18 16 = age 18-24 12 = age 19-25 17 = age 25-34 13 = age 26-34 14 = age 35-44 15 = age 45-64 18 = limited English proficiency	Numeric (categorical variable)	
num	Numerator -999 = not applicable *blank* = censored or unavailable value	Numeric	
denom	Denominator -999 = not applicable *blank* = censored or unavailable value	Numeric	
est	Estimate -999 = not applicable *blank* = censored or unavailable value	Numeric	
lci	Lower confidence interval -999 = not applicable *blank* = censored or unavailable value	Numeric	
uci	Upper confidence interval -999 = not applicable *blank* = censored or unavailable value	Numeric	

Continued below

Variable name	Item and code outline	Format	Notes
county_indicator	County indicator 0 = estimate is calculated from city-specific values 1 = estimate is calculated from an average of component counties' values (i.e. city falls under one or more counties) 2 = estimate is calculated from its single corresponding county values (i.e. city falls under one specific county) -999 = not applicable *blank* = censored or unavailable value	Numeric (categorical variable)	See Technical Documents for more detail.
educ_indicator	Education indicator 1 = estimate is a rate 2 = estimate is an approximate rate -999 = not applicable *blank* = censored or unavailable value	Numeric (categorical variable)	See Technical Documents for more detail.
multiplier_indicator	Multiplier indicator 1 = estimate is calculated from one year of data 2 = estimate is from two years of data 3 = estimate is calculated from three years of data -999 = not applicable *blank* = censored or unavailable value	Numeric (ordinal variable)	See Technical Documents for more detail.
data_yr_type	Year(s) of data	String	API users: See Appendix A for data_yr_type values for each metric
geo_level	Geographic level of data point	String	
date_export	Date of downloadable data export by Dashboard analytic staff	Date	Variable date_export is updated with each release of downloadable data. This variable can be used to assess dataset versioning.
version	Record of downloadable data version	Numeric	

Important note regarding column labelled "NOTE - NCHS Disclaimer"

The text in this column appears on the first line of all city data files and in this codebook (see Section 8). Users should be aware that the text is a disclaimer regarding data calculated using National Center for Health Statistics at Research Data Centers. The text is *not* an estimate or observation associated with the other data reported on the row. This disclaimer is exclusively presented in city-level files because NCHS data are only calculated at the city level. Please contact info@cityhealthdashboard.com with any questions.

SECTION 5: Dictionary of <u>Tract</u> Data

<u>Outline of data in this layout</u>

- 500 Cities Dataset

  - CHDB_data_tract_all.csv
  - CHDB_data_tract_all.txt
  - API base endpoint: tract-metric

- Datasets, by State

  - CHDB_data_tract_stateabbreviation.csv (e.g. data file 'CHDB_data_tract_AL,' contains all metrics, all census tracts per Dashboard city in Alabama in a CSV format)
  - CHDB_data_tract_stateabbreviation.txt (e.g. data file 'CHDB_data_tract_AL,' contains all metrics, all census tracts per Dashboard city in Alabama in a .txt format)

<u>Variable Information</u> **(20 Variables)**

Variable name	Item and code outline	Format	Notes
state_abbr	State abbreviation	String	
state_fips	State FIPS code	*API:* String *CSV or .txt:* Numeric	2 digits **(note that CSV drops leading zero)**
county_fips	County FIPS code	*API:* String *CSV or .txt:* Numeric	3 digits **(note that CSV drops leading zero)**
county_name	County name	String	
tract_code	Tract code	*API:* String *CSV or .txt:* Numeric	6 digits **(note that CSV drops leading zero)**
stcotr_fips	State, County, Tract FIPS code (Concatenation of state, county, and tract FIPS codes)	*API:* String *CSV or .txt:* Numeric	11 digits **(note that CSV drops leading zero)** NOTE: Corresponds to var Geo_id2 in tract-level US Census data downloaded from American FactFinder[8]
city_name	City name	String	
metric_name	Metric name (text)	String	

Continued below

Variable name	Item and code outline	Format	Notes
metric_number	Metric (numeric identifier) 2 = Air pollution - particulate matter 3 = Binge drinking 4 = Children in poverty 5 = Dental care 6 = Diabetes 7 = Frequent mental distress 8 = Frequent physical distress 9 = High blood pressure 11 = Housing cost, excessive 12 = Housing with potential lead risk 13 = Income inequality 14 = Lead exposure risk index 15 = Limited access to healthy foods 17 = Obesity 18 = Physical inactivity 19 = Preventive services 21 = Racial/ethnic diversity 22 = Smoking 24 = Unemployment 25 = Uninsured 37 = Life expectancy	Numeric (categorical variable)	Metrics not listed here have only city-level data available.
group_name	Demographic group (text)	String	
group_number	Race/ethnicity or gender group (numeric identifier) 1 = total population	Numeric (categorical variable)	Demographic strata are not provided at the tract level.
num	Numerator -999 = not applicable *blank* = censored or unavailable value	Numeric	
denom	Denominator -999 = not applicable *blank* = censored or unavailable value	Numeric	
est	Estimate *blank* = censored or unavailable value	Numeric	
lci	Lower confidence interval -999 = not applicable *blank* = censored or unavailable value	Numeric	

Continued below

data_yr_type	Year(s) of data	String	API users: See Appendix A for data_yr_type values for each metric
geo_level	Geographic level of data point	String	
date_export	Date of downloadable data export by Dashboard analytic staff	Date	Variable date_export is updated with each release of downloadable data. This variable can be used to assess dataset versioning.
version	Record of downloadable data version	Numeric	

NOTE: The county_indicator, educ_indicator, and multiplier_indicator variables are not provided in tract-level datasets because these indicators are not relevant to tract-level data.

SECTION 6: Dataset Versioning Log

Codebook Version[†]	Downloadable Data Version[‡]	Approx. Date Data Posted Online	Update Notes
7.2	7.1	10/7/19	Geographic Identifiers – Master List.zip: Update of this file from v1.0 to v1.1 to correct place_FIPS variable. *This variable was incorrectly displayed for some cities.* No changes were made to downloadable data v7.1. Codebook updated from v7.1 to v7.2 to note correction of Geographic Identifiers – Master List
7.0, 7.1	7.0, 7.1	8/29/19	NVSS metrics: Added 2010-2012, 2011-2013, 2012-2014, 2015-2017 data. *NOTE: Prenatal care: 2010-2012, 2011-2013, 2012-2014 not released.* NVSS metrics: Revision to 2013-2015 and 2014-2016 estimates for improved accuracy NVSS metrics: Removal of county-level (county_indicator = 1,2) total population and sex estimates (except for Honolulu, HI and Macon, GA: see Technical Document Part 1)
6.3	6.2	7/26/19	Tract data: Revision of variable city_name from "Honolulu County" to "Honolulu" where stpl_fips = 15003. City data: Correction of place_FIPS variable. *This variable was incorrectly displayed for some cities in data v6.0 and v6.1.* .txt files: Correction of missing leading zeros for state_fips, place_fips, stpl_fips. *Leading zeroes were unintentionally dropped in v6.0 and v6.1.*
6.2	6.1	7/16/19	Correction of South Carolina high school graduation data (LEP stratum only). *Downloadable data v6.0 provided an incorrect LEP estimate for cities in South Carolina only. These errors were corrected in data v6.1.*
6.1	6.0	6/12/19	Minor clarifying revisions to codebook; no data changes
6.0	6.0	6/12/19	Launch of Beta API; release of multi-year data (API only) High school graduation estimates updated to June 2019 release; introduction of limited English proficiency stratum Air pollution data updated to 2015 Removal of stratum educ_indicator = 3 ("estimate is a midpoint of a rate range"). *The data sources used in calculation of the high school graduation metric released in June 2019 do not include rate ranges.* Correction of metric_name entries for uninsured (tract) from "Uninsurance" to "Uninsured". *Downloadable data versions 1 to 5.2 mislabeled "2014, 2 year modelled estimates" tract-level dental care and preventive services estimates as "2015, 2 year modelled estimates" under variable "data_yr_type". These errors are corrected in v6.0. (These 2014 data are available for download by API only.)*
5.3	5.3	5/3/19	Correction of Honolulu walkability data. *Downloadable data versions 1 to 5.2 provided an incorrect city score for walkability in Honolulu and omitted tract-level walkability Honolulu data. These errors are corrected in v5.3.*
5.2	5.2	3/21/19	Correction of city-level unemployment data. *Values for "Asian" and "other" subgroups were unintentionally omitted from v5.1 This error is corrected in v5.2.*
5.1	5.1	2/26/19	Correction of tract-level preventive services data. *Downloadable data v4.0 and v5.0: (1) unintentionally included tract-level preventive services estimates for male and female subgroups from the 500 Cities Project 2018 release[9] and (2) mislabeled "2016, 2 year modelled estimates" tract-level preventive services estimates for total population as "2015, 2 year modelled estimates" under variable "data_yr_type". These errors are corrected in v5.1.*
5.0	5.0	2/21/19	ACS data updated to 2017 Air pollution values updated to 2014 Revised age strata (see Section 8)

4.0	4.0	12/20/18	NVSS (NCHS) data updated to 2014-16
			NVSS (NCHS) disclaimer added to city CSV and .txt files – column "NOTE - NCHS Disclaimer"
			500 Cities Project updated to 2018 release
			Primary care physicians data removed from downloadable data (see Section 8)
3.0	3.0	10/29/18	Inclusion of park access data in downloadable dataset
			Inclusion of life expectancy data in downloadable dataset
			Absenteeism values updated to 2015-16 data
			Violent crime values updated to 2017 data
			Updated uninsured values (ACS replaces 500 Cities Project as data source; revised strata)
2.1	--	7/17/18	Addition of the following metrics to downloadable data: teen births; breast cancer deaths; cardiovascular disease deaths; colorectal cancer deaths; low birthweight; opioid overdose deaths; premature deaths (all causes); prenatal care
1	--	6/29/18	*First release*

See Appendix G in Technical Documentation (Part 1) for a summary of updates and revisions to site data.

† Codebook version is noted on the cover page and footer of this document.

‡ Downloadable data version is noted in the title of downloadable .zip folders available at https://www.cityhealthdashboard.com/data-downloads (e.g., "Alabama v4.0.zip") and in the CSV and .txt files each contains (e.g., CHDB_data_city_AL v4_0.csv, CHDB_data_city_AL v4_0.txt, CHDB_data_tract_AL v4_0.csv, CHDB_data_tract_AL v4_0.txt). **The version number in this column refers to 500 City data and state downloadable .zip folders, except where otherwise noted.**

SECTION 8: Notes on Specific Metrics

Absenteeism

The Dashboard does not release multi-year data for this metric because of unexplained variation in the underlying data from year to year. The Dashboard does not recommend comparing the data currently on the site with values from 2013-2014 released prior to downloadable data v3.0.

High school graduation

Multi-year data are not available for high school graduation and only data from the June 2019 release are displayed on the site. The Dashboard's methodology changed substantially from the May 2018 release (in v5.3 and prior) to the June 2019 release (released in v6.0), making multi-year comparison of high school graduation inappropriate.

Life expectancy

The Dashboard reports tract-level data as received from National Center for Health Statistics/USALEEP; tract-level data and documentation files are available for free download.[10] A flag to indicate the source of the age-specific death rates used to calculate the abridged period life tables is included in the data downloaded directly from USALEEP. However, this variable is *not* included in the Dashboard downloadable data. Users requiring this information should refer to the National Center for Health Statistics/USALEEP dataset.

Note on metrics calculated using National Center for Health/Research Data Center Statistics Data

The following metrics were calculated by City Health Dashboard analytic staff at the Research Data Center using National Center for Health Statistics data: breast cancer deaths, cardiovascular disease deaths, colorectal cancer deaths, low birthweight, opioid overdose deaths, premature deaths (all causes), prenatal care, and teen births.

The downloadable data tables shared on the City Health Dashboard website were not released as a micro-level downloadable datasets from NCHS/RDC, rather .csv aggregated data tables whose analyses were conducted per NCHS disclosure requirements in a secure environment and released as approved output. The findings and conclusions on this website are those of the author(s) and do not represent the views of the Research Data Center, the National Center for Health Statistics, or the Centers for Disease Control and Prevention. NCHS does not recommend further analysis of these tables because linking them to individually identifiable data from other NCHS or non-NCHS datasets could potentially cause disclosure. If you believe a disclosure has occurred please contact info@cityhealthdashboard.com and RDCA@cdc.gov.

See Section 4 above for more detail.

Park access

Park access estimates are supplied by ParkServe ®. Users interested in performing geospatial GIS analyses of park access data are encouraged to utilize the shapefiles provided on ParkServe's ® website.[11]

Primary care physicians

As of December 20, 2018, primary care physicians data are temporarily removed from the Dashboard. The Dashboard will post updates as they are available.

Data for this metric are not released in downloadable data v4.0-v7.0.

Users should exercise caution in interpreting primary care physician estimates released in previous downloadable data versions. Please email info@cityhealthdashboard.com with any questions.

<u>Uninsured</u>

Age 0-17 (group_number=9) and age 18-64 (group_number=10) were associated with the uninsured metric in downloadable data versions prior to v5.0. Age strata for this metric were revised to more granular age breakdowns in downloadable data v5.0 and subsequent downloadable data versions. Please email info@cityhealthdashboard.com with any questions.

SECTION 10: References

1.	Geographic Terms and Concepts – Codes for Geographic Entities U.S. Census Bureau; https://www.census.gov/geo/reference/gtc/gtc_codes.html#fips. Accessed January 24, 2018.
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4.	500 Cities: Local Data for Better Health. Local Data for Better Health, 2017 Release. 2017; https://chronicdata.cdc.gov/500-Cities/500-Cities-Local-Data-for-Better-Health-2017-relea/6vp6-wxuq. Accessed September 27, 2017.
5.	Stucka M. Macon-Bibb County consolidation wins with strong majorities. August 5, 2015, 2012.
6.	Macon-Bibb County. Macon-Bibb County. 2018; http://www.maconbibb.us/. Accessed April 10, 2018.
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APPENDIX A: API Metric Key Overview

The following table outlines the metric keys necessary for accessing data through the Dashboard's API.

Metric Key	City Data Accessible through API	Tract Data Accessible through API
absenteeism	x	
air-pollution-particulate-matter	x	x
binge-drinking	x	x
breast-cancer-deaths	x	
cardiovascular-disease-deaths	x	
children-in-poverty	x	x
colorectal-cancer-deaths	x	
dental-care	x	x
diabetes	x	x
frequent-mental-distress	x	x
frequent-physical-distress	x	x
high-blood-pressure	x	x
high-school-graduation	x	
housing-cost-excessive	x	x
housing-with-potential-lead-risk	x	x
income-inequality	x	x
lead-exposure-risk-index	x	x
life-expectancy	x	x
limited-access-to-healthy-foods	x	x
low-birthweight	x	
neighborhood-racial-ethnic-segregation	x	
obesity	x	x
opioid-overdose-deaths	x	
park-access	x	
physical-inactivity	x	x
premature-deaths-all-causes	x	
prenatal-care	x	
preventive-services	x	x
racial-ethnic-diversity	x	x
smoking	x	x
teen-births	x	
third-grade-reading-proficiency	x	
unemployment	x	x
uninsured	x	x
violent-crime	x	
walkability	x	

APPENDIX B: Data Year (data_yr_type) Availability, by Metric

To facilitate year-specific queries using the Dashboard's API, the following table outlines the data_yr_type entries available through the portal. CSV and .txt files contain only the most recent year of data as indicated in data_yr_type. See section "Accessing Multi-Year Data" above for more detail.

Metric name	data_yr_type	Metric name	data_yr_type
Absenteeism	2015-2016	Limited access to healthy foods	2015
Air pollution - particulate matter	2013 2014 2015	Low birthweight	2010-2012 2011-2013 2012-2014 2013-2015 2014-2016 2015-2017
Binge drinking	2014, 1 Year Modeled Estimate 2015, 1 Year Modeled Estimate 2016, 1 Year Modeled Estimate	Neighborhood racial/ethnic segregation	2013, 5 Year Estimate 2014, 5 Year Estimate 2015, 5 Year Estimate 2016, 5 Year Estimate 2017, 5 Year Estimate
Breast cancer deaths	2010-2012 2011-2013 2012-2014 2013-2015 2014-2016 2015-2017	Obesity	2014, 1 Year Modeled Estimate 2015, 1 Year Modeled Estimate 2016, 1 Year Modeled Estimate
Cardiovascular disease deaths	2010-2012 2011-2013 2012-2014 2013-2015 2014-2016 2015-2017	Opioid overdose deaths	2010-2012 2011-2013 2012-2014 2013-2015 2014-2016 2015-2017
Children in Poverty	2013, 5 Year Estimate 2014, 5 Year Estimate 2015, 5 Year Estimate 2016, 5 Year Estimate 2017, 5 Year Estimate	Park access	2017
Colorectal cancer deaths	2010-2012 2011-2013 2012-2014 2013-2015 2014-2016 2015-2017	Physical inactivity	2014, 1 Year Modeled Estimate 2015, 1 Year Modeled Estimate 2016, 1 Year Modeled Estimate
Dental care	2014, 1 Year Modeled Estimate 2016, 1 Year Modeled Estimate	Premature deaths (all causes)	2010-2012 2011-2013 2012-2014 2013-2015 2014-2016 2015-2017
Diabetes	2014, 1 Year Modeled Estimate 2015, 1 Year Modeled Estimate 2016, 1 Year Modeled Estimate	Prenatal care	2014-2015 2014-2016 2015-2017
Frequent mental distress	2014, 1 Year Modeled Estimate 2015, 1 Year Modeled Estimate 2016, 1 Year Modeled Estimate	Preventive services	2014, 1 Year Modeled Estimate 2016, 1 Year Modeled Estimate

Continued below

Frequent physical distress	2014, 1 Year Modeled Estimate 2015, 1 Year Modeled Estimate 2016, 1 Year Modeled Estimate	Racial/ethnic diversity	2013, 5 Year Estimate 2014, 5 Year Estimate 2015, 5 Year Estimate 2016, 5 Year Estimate 2017, 5 Year Estimate
High blood pressure	2013, 1 Year Modeled Estimate 2015, 1 Year Modeled Estimate	Smoking	2014, 1 Year Modeled Estimate
High school graduation*	2015-2016 2016-2017 2017-2018	Teen births	2010-2012 2011-2013 2012-2014 2013-2015 2014-2016 2015-2017
Housing cost, excessive	2013, 5 Year Estimate 2014, 5 Year Estimate 2015, 5 Year Estimate 2016, 5 Year Estimate 2017, 5 Year Estimate	Third-grade reading proficiency*	2014-2015 2015-2016 2016-2017
Housing with potential lead risk	2013, 5 Year Estimate 2014, 5 Year Estimate 2015, 5 Year Estimate 2016, 5 Year Estimate 2017, 5 Year Estimate	Unemployment	2013, 5 Year Estimate 2014, 5 Year Estimate 2015, 5 Year Estimate 2016, 5 Year Estimate 2017, 5 Year Estimate
Income Inequality	2013, 5 Year Estimate 2014, 5 Year Estimate 2015, 5 Year Estimate 2016, 5 Year Estimate 2017, 5 Year Estimate	Uninsured	2013, 5 Year Estimate 2014, 5 Year Estimate 2015, 5 Year Estimate 2016, 5 Year Estimate 2017, 5 Year Estimate
Lead exposure risk index	2013, 5 Year Estimate 2014, 5 Year Estimate 2015, 5 Year Estimate 2016, 5 Year Estimate 2017, 5 Year Estimate	Violent crime	2016 2017
Life expectancy	2010-2015, 6 Year Modeled Estimate	Walkability	2018

* NOTE: The year of data varies by state for the high school graduation and third-grade reading proficiency metrics. Only one year of data per city is available through the API. See Technical Document Part 2: Education Data for more information