

Data Dictionary- State Biomonitoring Data

Provided by CDC's Environmental Public Health Tracking Program

PURPOSE AND USE OF THIS DOCUMENT

This document contains data field definitions and elements for submitting state biomonitoring data to the Tracking Network.

Environmental Public Health Tracking Data Set Summary

Characteristic	Description
Data Source	State and Local Data Systems
Purpose	This dataset will be used to display measures related to biomonitoring data at the state and sub-state levels on the national public portal.
Geographic Level	The smallest geographic unit to be represented in this data set is the <u>city</u> .
Restrictions	This is a public access data set.

DATA DICTIONARY

Field Name	Field Description	Date Type	Code Scheme	Allowed Values	Field Length	Required/Optional
Study Name	Name of the study that produced these data	Text			30	Required
Analyte ID	Analyte measured in this dataset	Number	1 – 104. See table in How-To Guide	nnn	3	Required
Demographic categories	Demographic categories of participants	Text	Age categories: 1 = <3 years 2 = 3-5 years 3 = 6-11 years 4 = 12-19 years 5 = ≥20 6 = 20-59 years 7 = 60+ years 8 = Other Race/ethnicity categories: NHW = NonHispanic White NHB = NonHispanic Black NHA = NonHispanic Asians MA = Mexican Americans AH = All Hispanic ALL = Total population Sex categories: M = Male F = Female	1-8; NHW, NHB, NHA, MA, AH, All; M, F	3	Required
OtherAgeCategory	If you responded '8' for demographic categories, provide the age categories for 'other'. Lt=less than and gt = greater than.	text	nn-nn; lt nn; gt nn	0-99	6	Optional
Estimate	Concentration level value	number	nnn.nnn; -999 = <LOD	0-9999; -999	5	Required
Lower95	Lower bound of 95% confidence interval of estimate	number	nnn.nnn; -999 = <LOD	0-9999; -999	5	Required

Field Name	Field Description	Date Type	Code Scheme	Allowed Values	Field Length	Required/Optional
Upper95	Upper bound of 95% confidence interval of estimate	number	nnn.nnn; -999 = <LOD	0-9999; -999	5	Required
Type of Estimate	Type of estimate	Integer	1 = 50 th percentile 2 = 95 th percentile 3 = Geometric mean	1 - 3	1	Required
Units	Concentration units	Integer	1 = ng/mL 2 = µg/L 3 = pg/mL 4 = µg/dL 5 = µg/g 6 = ng/g	1 - 6	1	Required
Sample	Type of sample	Integer	1 = Urine 2 = Blood 3 = Serum	1 - 3	1	Required
Population sample size	The number of people that provided a sample that was measured for the analyte	Integer	nnnnnn	999999	6	Required
Creatinine corrected	Creatinine correction for urine measurements	Integer	1 = Yes 2 = No 3 = Not applicable	1 - 3	1	Optional
Lipid adjusted	Lipid adjusted measurements	Integer	1 = Yes 2 = No 3 = Not applicable	1 - 3	1	Optional
StartYear	Beginning/First year when samples were collected	integer			4	Required
EndYear	Last year when samples were collected	Integer			4	Required
Geographic level	Geographic representativeness of the data	Text	1 = State 2 = County 3 = City		11	Required
FIPS Code	FIPS code of the state or county included	Text			5	Required
City Name	If the geographic level is city, enter the name of the city that the estimates represent	Text			30	Optional

Example Table entries using the data dictionary above

<u>Study Name</u>	<u>AnalyteID</u>	<u>Demographic categories</u>	<u>Estimate</u>	<u>Lower95</u>	<u>Upper95</u>	<u>Type of estimate</u>	<u>Units</u>	<u>Sample</u>	<u>Population Sample Size</u>	<u>Creatinine corrected</u>	<u>Lipid adjusted</u>	<u>Start Year</u>	<u>End Year</u>	<u>Geographic level</u>	<u>FIPS Code</u>	<u>City Name</u>
	2	All	1.513	1.211	1.721	1	2	2	1,200	3	2	2011	2012	1	01	
	2	All	2.141	2.011	2.333	2	2	2	1,200	3	2	2011	2012	1	01	
	2	All	0.503	0.401	0.612	3	2	2	1,200	3	2	2011	2012	1	01	
	2	4	1.106	1.001	1.199	1	2	2	300	3	2	2011	2012	1	01	
	2	4	1.680	1.444	1.821	2	2	2	300	3	2	2011	2012	1	01	
	2	4	0.700	0.611	0.832	3	2	2	300	3	2	2011	2012	1	01	
	2	NHW	1.331	1.101	1.598	1	2	2	800	3	2	2011	2012	1	01	
	2	NHW	1.710	1.443	1.921	2	2	2	800	3	2	2011	2012	1	01	
	2	NHW	0.900	0.783	1.213	3	2	2	800	3	2	2011	2012	1	01	



CDC'S ENVIRONMENTAL PUBLIC HEALTH TRACKING PROGRAM

Contact us: trackingsupport@cdc.gov

Visit the Tracking Network today: www.cdc.gov/ephtracking

Follow us on social media:

- X (@CDC_EPHTracking)
- Facebook (facebook.com/CDCEPHTracking)