CDC Environmental Health Tracking Network API User Guide

Overview

The Data Application Program Interface (API) is an additional way to query data stored by the Environmental Public Health Tracking Network. The API provides a standard URL interface with a Javascript Object Notation (JSON) formatted response. An error object is returned with an invalid call. An empty object is returned with no data.

An optional API token for the Center for Disease Control and Prevention (CDC) Environmental Public Health Tracking Network API can be obtained by contacting nephtrackingsupport@cdc.gov. An API token allows greater access to Environmental Public Health Tracking Network data.

Introduction

The Tracking Network's environmental public health data are organized into three, tiered categories: content areas, indicators, and measures. The Tracking Network houses over 500 unique measures that are grouped under one or more indicators. Each indicator belongs to one or more content areas.

Content Area
↓
Indicator(s)
↓
Measure(s)

This user guide outlines the process of navigating from content areas to measures of interest, as well as determining desired location, times, and strata for the measures. This document contains four sections:

Functions: Definition and format of all currently available functions
Examples: Example calls and descriptions of all available functions
Schema: Defines the structure and types of the JSON object returned by each function
Appendix: Glossary and tables of all available parameters that might be passed to various functions

New users will find the *Functions* and *Examples* sections most helpful. The *Schema* and *Appendix* sections provide information about the types of data available, including measures, times, and stratifications. Additional resources are provided below:

Data Explorer—View all data that is available through the API in the CDC's interactive Data Explorer.

Technical Notes—These provide additional technical information about the CDC's Tracking Network, such as information on the transition from ICD-9-CM to ICD-10-CM and how it may impact your usage of the API.

Indicators and Data—View the relationship between content areas, indicators, and measures. Provides additional information about each measure and the sources and limitations of the measures.

Tracking API Help Page—This page provides the link to both this document and Frequently Asked Questions (FAQ) about the API and how to use it.

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Overviews

This section provides an overview of the current calls available through the Tracking Network's API. Each call will have the following information in the following order:

Definition: Explanation of the call and what it returns
Format: The URL structure the call uses
Parameters: A list of variables that must/may be passed in the call to get data back
References: A list of calls that reference the return of the call

Note: The "getCoreHolder" call can also use a "POST" http request, not just a "GET" http request. Information about the "POST" request format is provided in its section.

Content Areas Overview

Definition:

Returns all content areas and their associated ID currently available through the API.

Format:

ephtracking.cdc.gov/apigateway/api/{***version***}/contentareas/{***returnType***}[?***apiToken***]

Parameters:

version

Only "v1" is valid for this version.

returnType

Only "json" is accepted for this version.

apiToken (optional)

Called via "apiToken=TOKEN" where TOKEN is the unique identifier supplied by the Environmental Public Health Tracking Network.

References

- Indicators

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Indicators Overview

Definition:

Return all indicators and their associated ID available within a content area.

Format:

ephtracking.cdc.gov/apigateway/api/{***version***}/indicators/{***contentAreaId***}[?***apiToken***]

Parameters:

version

Only "v1" is valid for this version.

contentAreaId

Valid Content Area ID—Invalid entry will return an empty data set.

apiToken (optional)

Called via "apiToken=TOKEN" where TOKEN is the unique identifier supplied by the Environmental Public Health Tracking Network.

References:

- Measures

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Measures Overview

Definition:

Return all measures and their associated IDs within an indicator.

Format:

ephtracking.cdc.gov/apigateway/api/{***version***}/measures/{***indicatorID***}?***apiToken***]

Parameters:

version

Only "v1" is valid for this version.

indicatorId

Valid Indicator ID—Invalid entry will return an empty data set.

apiToken (optional)

Called via "apiToken=TOKEN" where TOKEN is the unique identifier supplied by the Environmental Public Health Tracking Network.

References:

- Geographic Levels
- Measure Stratification
- Stratification Levels
- Geography
- Temporal
- Get Core Holder

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Geographic Types Overview

Definition:

Lists all geographic types and their associated IDs available for a measure.

Format:

ephtracking.cdc.gov/apigateway/api/{***version***}/geographicTypes/{***measureID***}[?***apiToken***]

Parameters:

version

Only "v1" is valid for this version.

measureId

Requires a valid measureID.

apiToken (optional)

Called via "apiToken=TOKEN" where TOKEN is the unique identifier supplied by the Environmental Public Health Tracking Network.

References:

- Measure Stratification
- Stratification Level
- Geography
- Temporal
- Get Core Holder

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Stratification Types Overview

Definition:

Lists all stratification types for a measure and geographic type, including the stratification type's column name and local IDs within the column.

Format:

ephtracking.cdc.gov/apigateway/api/{***version***}/stratificationTypes/{***measureId***}/{***geographicTypeId***}/{***isSmoothed***}[?***apiToken***]

Parameters:

version

Only "v1" is valid for this version.

measureId

Requires a valid measureID.

geographicTypeId

Requires a valid geographicTypeID.

isSmoothed

Requires either a one or zero (true or false) for having data that is geographically smoothed.
NOTE: The majority of measures *do not* have smoothing value.

apiToken (optional)

Called via "apiToken=TOKEN" where TOKEN is the unique identifier supplied by the Environmental Public Health Tracking Network.

References:

- Get Core Holder (Optional)

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Stratification Level Overview

Definition:

Lists all available stratification levels and their associated stratification types for a measure and geography level.

Format:

ephtracking.cdc.gov/apigateway/api/{***version***}/stratificationlevel/
{***measureId***}/{***geographicTypeId***}/{***isSmoothed***}[?***apiToken***]

Parameters:

version

Only "v1" is valid for this version.

measureId

Requires a valid measureID.

geographicTypeId

Requires a valid geographicTypeID.

isSmoothed

Requires either a one or zero (true or false) for having data that is geographically smoothed.
NOTE: The majority of measures *do not* have smoothing value.

apiToken (optional)

Called via "apiToken=TOKEN" where TOKEN is the unique identifier supplied by the Environmental Public Health Tracking Network.

References:

- Get Core Holder

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Geographic Items Overview

Definition:

Lists all available geographic items for some geographic type and measure. Flag geographic rollup to only view unique parent geographic items.

Format:

ephtracking.cdc.gov/apigateway/api/{***version***}/geographicItems/{***measureID***}/{***geographicTypeId***}/{***geographicRollup***}
[?***apiToken***]

Parameters:

version
Only "v1" is valid for this version.

measureId
Requires a valid measureID.

geographicTypeId
Requires a valid geographicTypeID.

geographicRollup
Requires either a one or zero (true or false) to include geographicRollup.

apiToken (optional)
Called via "apitoken=TOKEN" where TOKEN is the unique identifier supplied by the Environmental Public Health Tracking Network.

References:

- Get Core Holder

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Temporal Items Overview

Definition:

Listing all available temporal items for a measure for some set of locations of a geographic type.

Format:

ephtracking.cdc.gov/apigateway/api/{version}/temporalItems/{***measureID***}/{***geographicTypeId***}/{***geographicTypeIdFilter***}/{***geographicItemsFilter***}[?***apiToken***]

Parameters:

version

Only "v1" is valid for this version.

measureId

Requires a valid measureID.

geographicTypeId

Requires a valid geographicTypeID.

geographicTypeIdFilter

Filter to retrieve only filtered geographicTypeId's.

geographicItemsFilter

Filter to retrieve only certain geographicItems.

apiToken (optional)

Called via "apiToken=TOKEN" where TOKEN is the unique identifier supplied by the Environmental Public Health Tracking Network.

References:

- Get Core Holder

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Get Core Holder Overview

Definition:

Returns metadata and all data points associated with a measure for a certain set of temporal items, geographic items, and a stratification level and its optional stratification items.

GET Format:

ephtracking.cdc.gov/apigateway/api/{version}/getCoreHolder/{***measureId***}/{***stratificationLevelId***}/
{***geographicTypeIdFilter***}/{***geographicItemsFilter***}/{***temporalTypeIdFilter***}/{***temporalItemsFilter***}/{***isSmoothed***}/
{***getFullCoreHolder***}[?***stratificationLevelLocalIds***][?***apiToken***]

POST Format

URL:

ephtracking.cdc.gov/apigateway/api/{version}/getCoreHolder/{***measureId***}/{***stratificationLevelId***}/{***isSmoothed***}/
{***getFullCoreHolder***}[?***stratificationLevelLocalIds***][?***apiToken***]

Header:

Accept: application/json

Body:

```
{
    "geographicTypeIdFilter" : "string",
    "geographicItemsFilter" : "string",
    "temporalTypeIdFilter" : "string",
    "temporalItemsFilter" : "string"
    "embedId": "string"
}
```

Parameters:

version

Only "v1" is valid for this version.

measureId

Requires a valid measureID.

stratificationLevelId

Requires a valid stratificationLevelId.

geographicTypeIdFilter

Requires a valid geographicTypeID or ALL.

geographicItemsFilter

Filter to retrieve only certain geographicItems.

temporal

Requires a valid temporal entry (e.g., years) separated by comma.

isSmoothed

Requires either a one or zero (true or false) for having data that is geographically smoothed.
NOTE: The majority of measures *do not* have smoothing value.

getFullCoreHolder

Requires either a one or zero (true or false) for fetching the full core holder.
NOTE: Do not need full core holder for most purposes.

stratificationLevelLocalIds (optional)

Called via "COLUMNNAME=LOCALID". where COLUMNNAME is the internal name of the column and LOCALID is a comma separated list of all the strata IDs you wish to use to build the strata.
See HERE for some examples on specifics of where to get this information and how to use it.

apiToken (optional)

Called via "apiToken=TOKEN" where TOKEN is the unique identifier supplied by the Environmental Public Health Tracking Network.

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Measure Search Overview

Definition:

Returns the full relational view of content areas, indicators, measures, and their associated IDs available through the API. Additionally, this returns a list of keywords associated with each triplet.

Format:

https://ephtracking.cdc.gov/apigateway/api/{***version***}/measuresearch[?***apiToken***]

Parameters:

version

Only "v1" is valid for this version.

apiToken (optional)

Called via "apiToken=TOKEN" where TOKEN is the unique identifier supplied by the Environmental Public Health Tracking Network.

References:

- Indicators
- Measures
- Geographic Levels
- Measure Stratification
- Stratification Levels
- Geography
- Temporal
- Get Core Holder

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All Temporal Types Overview

Definition:

Returns all temporal types that can be queried through the API.

Format:

https://ephtracking.cdc.gov/apigateway/api/{version}/allTemporalTypes

Parameters:

version

Only "v1" is valid for this version.

apiToken (optional)

Called via "apiToken=TOKEN" where TOKEN is the unique identifier supplied by the Environmental Public Health Tracking Network.

References:

- Search Temporal Items
- Search Measure Temporal Items

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All Geographic Types Overview

Definition:

Returns all geographic types that can be queried through the API.

Format:

https://ephtracking.cdc.gov/apigateway/api/{version}/allGeographicTypes

Parameters:

version

Only "v1" is valid for this version.

apiToken (optional)

Called via "apiToken=TOKEN" where TOKEN is the unique identifier supplied by the Environmental Public Health Tracking Network.

References:

- Search Geographic Items
- Search Measure Geographic Items

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All Stratification Types Overview

Definition:

Returns all stratification types that can be queried through the API.

Format:

https://ephtracking.cdc.gov/apigateway/api/{version}/allStratificationTypes

Parameters:

version

Only "v1" is valid for this version.

apiToken (optional)

Called via "apiToken=TOKEN" where TOKEN is the unique identifier supplied by the Environmental Public Health Tracking Network.

References:

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All Stratification Levels Overview

Definition:

Returns all stratification levels that can be queried through the API.

Format:

https://ephtracking.cdc.gov/apigateway/api/{version}/allStratificationLevels

Parameters:

version

Only "v1" is valid for this version.

apiToken (optional)

Called via "apiToken=TOKEN" where TOKEN is the unique identifier supplied by the Environmental Public Health Tracking Network.

References:

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Search Measure by Temporal Items Overview

Definition:

Returns all measures with data available for all queried temporal items of a given temporal type.

Format:

ephtracking.cdc.gov/apigateway/api/{version}/searchMeasureByTemporalItems/{***temporalTypeId***}/{***temporalItemIdFilter***}
[?***contentAreaIdFilter***][&***indicatorIdFilter***][&***apiToken***]

Parameters:

- **version**
  Only "v1" is valid for this version.
- **temporalTypeId**
  The temporal type of the passed geographic items.
- **temporalItemIdFilter**
  The list of temporal items to test measures against.
- **contentAreaIdFilter (optional)**
  Optional additional filter that only returns measures that belong to the list of passed content areas.
- **indicatorIdFilter (optional)**
  Optional additional filter that only returns measures that belong to the list of passed indicators.
  When used with contentAreaIdFilter, it will return and indication if it belongs to either the indicator or content area. It is not exclusively one or the other.
- **apiToken (optional)**
  Called via "apiToken=TOKEN" where TOKEN is the unique identifier supplied by the Environmental Public Health Tracking Network.

References:

- Geographic Levels
- Measure Stratification
- Stratification Levels
- Geography
- Temporal
- Get Core Holder

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Search Measure by Geographic Items Overview

Definition:

Returns all measures with data available for all queried geographic items of geographic type.

Format:

ephtracking.cdc.gov/apigateway/api/{version}/searchMeasureByGeographicItems/{***geographicTypeId***}/{***geographicItemIdFilter***}[?***contentAreaIdFilter***][&***indicatorIdFilter***][&***apiToken***]

Parameters:

version

Only "v1" is valid for this version.

geographicTypeId

The geographic type of the passed geographic items.

geographicItemIdFilter

The list of geographic items to test measures against.

contentAreaIdFilter (optional)

Optional additional filter that only returns measures that belong to the list of passed content areas.

indicatorIdFilter (optional)

Optional additional filter that only returns measures that belong to the list of passed indicators.
Used with contentAreaIdFilter will return belonging to either the indicator or content area. Not exclusively one or the other.

apiToken (optional)

Called via "apiToken=TOKEN" where TOKEN is the unique identifier supplied by the Environmental Public Health Tracking Network.

References:

- Geographic Levels
- Measure Stratification
- Stratification Levels
- Geography
- Temporal
- Get Core Holder

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Search Temporal Items by Measure Overview

Definition:

Returns all temporal items of a specified temporal type that have data available for all queried measures.

Format:

ephtracking.cdc.gov/apigateway/api/{version}/searchTemporalItemsByMeasure/{***temporalTypeId***}/{***measureIdFilter***}
[?***parentTemporalId***][&***apiToken***]

Parameters:

version
Only "v1" is valid for this version.

temporalTypeId
The temporal type you are searching for.

measureIdFilter
The list of measure items to search for geographic items.

parentTemporalId (optional)
Optional filter that will only return temporal items whose parent temporal ID is in the filter.

apiToken (optional)
Called via "apiToken=TOKEN" where TOKEN is the unique identifier supplied by the Environmental Public Health Tracking Network.

References:

- Get Core Holder

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Search Geographic Items by Measure Overview

Definition:

Returns all geographic items of a specified geographic type that have data available for all passed measure IDs.

Format:

ephtracking.cdc.gov/apigateway/api/{version}/searchGeographicItemsByMeasure/{***geographicTypeId***}/{***measureIdFilter***}
[?***parentGeographicId***][&***apiToken***]

Parameters:

version
Only "v1" is valid for this version.

geographicTypeId
The geographic type you are searching for.

measureIdFilter
The list of measure items to search for geographic items.

parentGeographicId (optional)
Optional filter that will only return geographic items whose parent geographic ID is in the filter.

apiToken (optional)
Called via "apiToken=TOKEN" where TOKEN is the unique identifier supplied by the Environmental Public Health Tracking Network.

References:

- Temporals
- Get Core Holder

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Examples

The following examples show how to use the Tracking Network's API. The first showcases the process to querying our data in the same way CDC's interactive Data Explorer does, starting with selecting a content area and ending with our query to getCoreHolder to fetch data. Subsequent calls after getCoreHolder provide advanced queries/information about our API. They exist to help you discover measures/data that may be useful but are not required to get basic use out of the API.

Multiple examples for calls are given to showcase some of the different options with each query made through that call.

The call to getCoreHolder is broken into three subsections to accommodate the various options available through the core holder call. They are as follows:

- Querying Different Geographic Types
- Querying Different Temporal Types
- Querying Different Stratification Types

Each subsection of the core holder call gives examples and information specific to the data type we are showcasing.

Content Area Example

Start by viewing the available content areas provided by the tracking network.

Format:

ephtracking.cdc.gov/apigateway/api/{***version***}/contentareas/{***returnType***}[?***apiToken***]

Example A Lists all currently available content areas tracked by the Tracking Network's API.
Parameters A version = v1 returnType = json
GET Request A ephtracking.cdc.gov/apigateway/api/v1/contentareas/json

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Indicator Examples

Select a content area and view all indicators that belong to that content area.

Format:

ephtracking.cdc.gov/apigateway/api/{***version***}/indicators/{***contentAreaId***}[?***apiToken***]

Example A	**Example B**
View all available indicators within the Cancer content area.	View all available indicators within the Covid-19 content area.
Parameters A	**Parameters B**
version = v1 contentarea = 9	version = v1 contentarea = 33
GET Request A	**GET Request B**
ephtracking.cdc.gov/apigateway/api/v1/indicators/9	ephtracking.cdc.gov/apigateway/api/v1/indicators/3

Notes:

- Indicators can belong to multiple content areas; they are not exclusively under a single content area.

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Measure Examples

Select an indicator and view all measures that describe that indicator.

Format:

ephtracking.cdc.gov/apigateway/api/{***version***}/measures/{***indicatorID***}?***apiToken***]

Example A	**Example B**
View all available measures within the Incidence of Thyroid Cancers indicator.	View all available measures within the COVID-19 Cases and Deaths indicator.
Parameters A version = v1 indicatorID = 25	**Parameters B** version = v1 indicatorID = 149
GET Request A ephtracking.cdc.gov/apigateway/api/v1/measures/25	**GET Request B** ephtracking.cdc.gov/apigateway/api/v1/measures/149

Notes:

- Measures can belong to multiple indicators; they are not exclusively under a single indicator.

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Geographic Types Examples

Once you have a measure you want, you will need to get some information about how you would like to query that measure. We start by finding the geographic type (state, county, national, etc.) that we want to query the measure for.

Format:

ephtracking.cdc.gov/apigateway/api/{***version***}/geographiclevels/{***measureID***}[?***apiToken***]

Example A	**Example B**
View geography levels for the Age-adjusted Incidence Rate of Thyroid Cancer.	View geography levels for State-issued Stay-at-home Orders measure.
Parameters A version = v1 measureID = 66	**Parameters B** version = v1 measureID = 927
GET Request A ephtracking.cdc.gov/apigateway/api/v1/geographicTypes/66	**GET Request B** ephtracking.cdc.gov/apigateway/api/v1/geographicTypes/927

Notes:

- Not all measures have all geographic levels available. As seen above, some may only be viewable by state and others may only be viewable by county.

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Stratification Types Examples

After you figure out which geographic type you want, you may need to investigate which stratification types you will want in addition to the location. This isn't required but is important for creating advanced strata for your core holder queries.

You will need the columnName and stratificationItem's localId's for the call to getCoreHolder if you choose to add additional stratification types to your final strata.

Format:

ephtracking.cdc.gov/apigateway/api/{***version***}/stratificationTypes/{***measureId***}/{***geographicTypeId***}/{***isSmoothed***}[?***apiToken***]

Example A	**Example B**
View stratification types for the Age-adjusted Incidence Rate of Thyroid Cancer by State.	View stratification types for State-issued Stay-at-home Orders by County.
Parameters A version = v1 measureID = 66 geographicTypeId = 1 isSmoothed = 0	**Parameters B** version = v1 measureID = 927 geographicTypeId = 2 isSmoothed = 0
GET Request A ephtracking.cdc.gov/apigateway/api/v1/stratificationTypes/66/1/0.	**GET Request B** ephtracking.cdc.gov/apigateway/api/v1/stratificationTypes/927/2/0

Notes:

- Some measures do not have additional strata to be grouped by; see the second example for "…State-issued Stay-at-home Orders by County" which returns an empty list.

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Stratification Level Examples

The stratification level is the combination of our geographic type and all the optional stratification types we want to use. You will need the stratification level ID for the call to getCoreHolder.

Format:

ephtracking.cdc.gov/apigateway/api/{***version***}/stratificationlevel/
{***measureId***}/{***geographicTypeId***}/{***isSmoothed***}[?***apiToken***]

Example A	**Example B**
View allowed stratifications for the Age-adjusted Incidence Rate of Thyroid Cancer by State Level.	View allowed stratifications for State-issued Stay-at-home Orders by County.
Parameters A version = v1 measureID = 66 geographicTypeId = 1 isSmoothed = 0	**Parameters B** version = v1 measureID = 927 geographicTypeId = 2 isSmoothed = 0
GET Request A ephtracking.cdc.gov/apigateway/api/v1/stratificationlevel/66/1/0	**GET Request B** ephtracking.cdc.gov/apigateway/api/v1/stratificationlevel/927/2/0

Notes:

- Some stratification levels have additional strata that need to be specified as the stratification type.
  - Notice that the first example has gender as a stratum that must be defined.
  - Notice that the second example has no strata in the stratification type; it is defined entirely by geography.
- To see an example of the strata being used you can view the Data Explorer and navigate to the "Age-adjusted Incidence Rate of Thyroid Cancer". The "Advanced Options" is what your strata choices will allow.

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Geographic Items Examples

Using the geographic type's ID we selected, we can determine which geographic items we want to query data for.

Format:

ephtracking.cdc.gov/apigateway/api/{***version***}/geographicItems/{***measureID***}/{***geographicTypeId***}/{***geographicRollup***}[?***apiToken***]

Example A	**Example B**	**Example C**
View all states available for Age-adjusted Incidence Rate of Thyroid Cancer.	View all counties available for State-issued Stay-at-home Orders.	View all states available for State-issued Stay-at-home Orders, by Rolling up Counties.
Parameters A version = v1 measureID = 66 geographicTypeId = 1 geographicRollup = 0	**Parameters B** version = v1 measureID = 927 geographicTypeId = 2 geographicRollup = 0	**Parameters C** version = v1 measureID = 927 geographicTypeId = 2 geographicRollup = 1
GET Request A ephtracking.cdc.gov/apigateway/api/v1/geographicItems/66/1/0.	**GET Request B** ephtracking.cdc.gov/apigateway/api/v1/geographicItems/927/2/0	**GET Request C** ephtracking.cdc.gov/apigateway/api/v1/geographicItems/927/2/1

Notes:

- Use the geographic rollup option to view parent geographic information available for a chosen geographic level and measure.
- The geographicId typically corresponds to the locations FIPS code, a list of FIPS codes for 2020 can be found at census.gov.

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Temporal Items Examples

With the set of geographic items and their geographic type, we can then query for the temporal items we would like to query for each of these locations.

Format:

ephtracking.cdc.gov/apigateway/api/{version}/temporal/{***measureID***}/{***geographicTypeId***}/{***geographicTypeIdFilter***}/{***geographicItemsFilter***}[?***apiToken***]

Example A	**Example B**	**Example C**
View temporals available for Georgia, Michigan, and Texas for the Age-adjusted Incidence Rate of Thyroid Cancer.	View temporals available for all states for the Age-adjusted Incidence Rate of Thyroid Cancer.	View temporals available for Appling, Georgia; Antrim, Michigan; and Cherokee, Texas for the State-issued Stay-at-home Orders.
Parameters A version = v1 measureID = 66 geographicTypeId = 1 geographicTypeIdFilter = 1 geographicItemsFilter = 13,26,48	**Parameters B** version = v1 measureID = 66 geographicTypeId = 1 geographicTypeIdFilter = ALL geographicItemsFilter = ALL	**Parameters C** version = v1 measureID = 927 geographicTypeId = 2 geographicTypeIdFilter = 2 geographicItemsFilter = 13001,26009,48073
GET Request A ephtracking.cdc.gov/apigateway/api/v1/temporalItems/66/1/1/13,26,48	**GET Request B** ephtracking.cdc.gov/apigateway/api/v1/temporalItems/66/1/ALL/ALL	**GET Request C** ephtracking.cdc.gov/apigateway/api/v1/temporalItems/927/2/2/13001,26009,48073

Notes:

- The parent temporal properties are null unless a parent is available (daily/monthly/weekly temporal items).

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Core Holder Examples

Using parameters returned from our previous calls, we are ready to query the database for some data about a measure for some set of times and locations. We can also add optional parameters to group our data into more advanced strata.

GET Request:

ephtracking.cdc.gov/apigateway/api/{version}/getCoreHolder/{***measureId***}/{***stratificationLevelId***}/
{***geographicTypeIdFilter***}/{***geographicItemsFilter***}/{***temporal***}/{***isSmoothed***}/{***getFullCoreHolder***}
[?***stratificationLevelLocalIds***][?***apiToken***]

POST Request

URL:

ephtracking.cdc.gov/apigateway/api/{version}/getCoreHolder/{***measureId***}/{***stratificationLevelId***}/{***isSmoothed***}/
{***getFullCoreHolder***}[?***stratificationLevelLocalIds***][?***apiToken***]

Body:

```
{
    "geographicTypeIdFilter" : "string",
    "geographicItemsFilter" : "string",
    "temporalTypeIdFilter" : "string",
    "temporalItemsFilter" : "string"
    "embedId": "string"
}
```

Example A

Query the Age-adjusted Incidence Rate of Thyroid Cancer per 100,000 People for the year 2011 for all available states.

Parameters A

version = v1
measureID = 66
stratificationLevelId = 1
geographicTypeIdFilter = ALL
geographicItemsFilter = ALL
temporalItemsFilter= 2011

GET Request A

ephtracking.cdc.gov/apigateway/api/v1/getCoreHolder/66/1/ALL/ALL/2011/0/0

POST Request A

ephtracking.cdc.gov/apigateway/api/v1/getCoreHolder/66/1/0/0

```
{
    "geographicTypeIdFilter": "ALL",
    "geographicItemsFilter": "ALL",
    "temporalTypeIdFilter": null,
    "temporalItemsFilter": "2011",
    "embedId": null
}
```

Notes:

- Data points from the core holder are returned in one of several table result objects depending on the type of data you are querying.
    - The default return table is tableResult; other tables will contain additional fields related specifically to that type of data. You can see all available table results in the Core Holder Glossary.

Querying Different Geographic Types

The first two examples make calls to the "Age-adjusted Incidence Rate of Thyroid Cancer by State" measure's core holder data for all states or individual states for the two years we are interested in.

Example B	**Example C**
Query the Age-adjusted Incidence Rate of Thyroid Cancer per 100,000 people for the year 2011 for the states of Georgia, Michigan, and Texas.	Query State-issued Stay-at-home Orders, for Dec 31, 2020, for the counties Appling, Georgia; Antrim, Michigan; and Cherokee, Texas.
Parameters A version = v1 measureID = 66 stratificationLevelId = 1 geographicTypeIdFilter = 1 geographicItemsFilter = 13,26,48 temporalItemsFilter= 2011	**Parameters B** version = v1 measureID = 927 stratificationLevelId = 2 geographicTypeIdFilter = 2 geographicItemsFilter = 13001,26009,48073 temporalItemsFilter= 20201231
GET Request A ephtracking.cdc.gov/apigateway/api/v1/getCoreHolder/66/1/1/13,26,48/1/2011/0/0	**GET Request B** ephtracking.cdc.gov/apigateway/api/v1/getCoreHolder/927/2/2/13001,26009,48073/8/20201231/0/0

POST Request A
 	
ephtracking.cdc.gov/apigateway/api/v1/getCoreHolder/66/1/0/0
 	
{
"geographicTypeIdFilter": "1",
"geographicItemsFilter": "13,26,48",
"temporalTypeIdFilter": "1",
"temporalItemsFilter": "2011,2012",
"embedId": null
}
	POST Request B
	
	ephtracking.cdc.gov/apigateway/api/v1/getCoreHolder/927/2/0/0
	
	{
	"geographicTypeIdFilter": "2",
	"geographicItemsFilter": "13001,26009,48073",
	"temporalTypeIdFilter": "8",
	"temporalItemsFilter": "20201231",
	"embedId": null
	}

Notes:

- To get all values for all geographic locations for a selected stratificationLevel you need to set both the geographicTypeIdFilter to "ALL" and the geographicItemsFilter to "ALL."
- Requesting data for many different locations can quickly exceed the maximum URL length (~2000 characters). It is recommended to use a POST request for your calls to getCoreHolder.
    - This allows you to pass the geographicItemsFilter in the body of the POST method instead of in the URL.

Querying Different Temporal Types

Different measures have different temporal types. To query these temporal types, we use the returns of the temporals function in our getCoreHolder query.

Example D	**Example E**
Query the Age-adjusted Incidence Rate of Thyroid Cancer per 100,00 Population for the years of 2011, 2012, and 2013 for all states in the U.S..	Query State-issued Stay-at-home Orders, for the last 3 days of 2020 for all counties in the U.S.
Parameters D version = v1 measureID = 66 stratificationLevelId = 1 geographicTypeIdFilter = ALL geographicItemsFilter = ALL temporalItemsFilter = 2011,2012,2013	**Parameters E** version = v1 measureID = 9 stratificationLevelId = 2 geographicTypeIdFilter = ALL geographicItemsFilter = ALL temporalItemsFilter = 2021
GET Request D ephtracking.cdc.gov/apigateway/api/v1/getCoreHolder/66/1/ALL/ALL/1/2011,2012,2013/0/0	**GET Request E** ephtracking.cdc.gov/apigateway/api/v1/getCoreHolder/927/2/ALL/ALL/8/20201231,20201230,20201229/0/0

POST Request D
 	
ephtracking.cdc.gov/apigateway/api/v1/getCoreHolder/66/2/0/0
 	
{
"geographicTypeIdFilter": "ALL",
"geographicItemsFilter": "ALL",
"temporalTypeIdFilter": "1",
"temporalItemsFilter": "2011,2012,2013",
"embedId": null
}
	POST Request E
	
	ephtracking.cdc.gov/apigateway/api/v1/getCoreHolder/927/2/0/0
	
	{
	"geographicTypeIdFilter": "ALL",
	"geographicItemsFilter": "ALL",
	"temporalTypeIdFilter": "8",
	"temporalItemsFilter": "20201231,20201230,20201229",
	"embedId": null
	}

Notes:

- For the time being, dates must be passed in individually, ranges such as (20200601-20200630) or requesting a specific month to fetch days (202006 for a daily tracked measure) are not valid.
    - Even though months do not work for daily values, you can pass a year for all days in that year.
- Requesting data for many different times can quickly exceed the maximum URL length (~2000 characters). It is recommended to use a POST request for your calls to getCoreHolder.
    - This allows you to pass the temporalItemsFilter in the body of the POST method instead of in the URL.

Querying Different Stratification Types

Our last set of examples will show you how to fetch data from the core holder for advanced strata such as age, gender, ethnicity, etc., or a combination of multiple strata. To create advanced strata, we need three things:

- The **stratificationLevelId** of the strata that can be found with the stratificationlevel call.
- The **columnName** of the stratum's localIds that make up the stratification level we are interested in; this can be found with either stratificationlevel or measurestratification calls.
- The **localId's** of the stratum we want to view; this can be found with measurestratification call.

Previous examples have only used stratification levels 1 and 2, which are the stratum for state and state X county. No additional parameters are needed apart from a geographic type and geographic items for these queries. Adding additional strata to get the strata we want requires appending optional parameters to our URL. We can append multiple stratification types and multiple strata within each stratification type to create our strata.

Example F	**Example G**
View core holder data of Georgia, Michigan, and Texas in the years 2011 and 2012 for the Age-adjusted Incidence Rate of Thyroid Cancer of men.	View core holder data of Georgia, Michigan, and Texas in the years 2011 and 2012 for the Age-adjusted Incidence Rate of Thyroid Cancer of men who are Black or Asian/Pacific Islander.
Parameters F version = v1 measureID = 66 stratificationLevelId = 4 geographicTypeIdFilter = 1 geographicItemsFilter = 13,26,48 temporalItemsFilter= 2011,2012 stratificationLevelLocalIds: GenderId=1	**Parameters G** version = v1 measureID = 66 stratificationLevelId = 43 geographicTypeIdFilter = 1 geographicItemsFilter = 13,26,48 temporalItemsFilter= 2011,2012 stratificationLevelLocalIds: GenderId=1 RaceEthnicityId=1,2
GET Request F ephtracking.cdc.gov/apigateway/api/v1/getCoreHolder/66/4/1/13,26,48/1/2011,2012/0/0?GenderId=1	**GET Request G** ephtracking.cdc.gov/apigateway/api/v1/getCoreHolder/66/43/1/13,26,48/1/2011,2012/0/0?GenderId=1&RaceEthnicityId=1,2

Post Request F
 	
ephtracking.cdc.gov/apigateway/api/v1/getCoreHolder/66/4/0/0?GenderId=1
 	
{
"geographicTypeIdFilter": "1",
"geographicItemsFilter": "13,26,48",
"temporalTypeIdFilter": "1",
"temporalItemsFilter": "2011,2012",
"embedId": null
}
	Post Request G
	
	ephtracking.cdc.gov/apigateway/api/v1/getCoreHolder/66/43/0/0?GenderId=1&RaceEthnicityId=1,2
	
	{
	"geographicTypeIdFilter": "1",
	"geographicItemsFilter": "13,26,48",
	"temporalTypeIdFilter": "1",
	"temporalItemsFilter": "2011,2012",
	"embedId": null
	}

Notes:

- You can specify multiple different stratification types by concatenation with '&' and multiple strata within a stratification type as comma separated values of each stratum's localId.
- To know what the full stratification of a data point is you need to check the data points groupById with the lookupList objected returned by in the core holder.

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Measure Search Example

You may want to query for all the measures available through the API. This query gives a list of all relations between all content areas, indicators, and measures and provides keywords associated with each relation.

Format:

https://ephtracking.cdc.gov/apigateway/api/{***version***}/measuresearch[?***apiToken***]

Description
Returns the full relational view of content areas, indicators, measures, and their associated IDs available through the API. Additionally, it returns a list of keywords associated with each triplet.
Parameters
No parameters
GET Request
ephtracking.cdc.gov/apigateway/api/v1/measuresearch

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All Temporal Types Example

You may want to use our API to query for all the temporal types a measure may be tracked for.

Format:

https://ephtracking.cdc.gov/apigateway/api/{version}/allTemporalTypes

Example A Lists all quarriable temporal types available through the Tracking Networks API.
Parameters A version = v1
GET Request A ephtracking.cdc.gov/apigateway/api/v1/allTemporalTypes

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All Geographic Types Example

You may want to use our API to query for all the geographic types a measure may be tracked for.

Format:

https://ephtracking.cdc.gov/apigateway/api/{***version***}/allGeographicTypes

Example A Lists all quarriable geographic types available through the Tracking Networks API.
Parameters A version = v1
GET Request A ephtracking.cdc.gov/apigateway/api/v1/allGeographicTypes

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All Stratification Types Example

You may want to use our API to query for all the stratification types that a measure may be tracked for.

Format:

https://ephtracking.cdc.gov/apigateway/api/{version}/allStratificationTypes

Example A Lists all quarriable stratification types available through the Tracking Networks API.
Parameters A version = v1
GET Request A ephtracking.cdc.gov/apigateway/api/v1/allStratificationTypes

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All Stratification Levels Example

You may want to use our API to query for all the stratification levels a measure may be tracked for.

Format:

https://ephtracking.cdc.gov/apigateway/api/{version}/allStratificationLevels

Example A Lists all queryable stratification levels available through the Tracking Networks API.
Parameters A version = v1
GET Request A ephtracking.cdc.gov/apigateway/api/v1/allStratificationLevels

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Search Measure by Temporal Items Examples

You may want to query for measures that have data available for all entries in a set of temporal items. Optionally, limit what measures are returned to a specific set of indicators and/or content areas (union).

Format:

ephtracking.cdc.gov/apigateway/api/{version}/searchMeasureByTemporalItems/{***temporalTypeId***}/{***temporalItemIdFilter***}
[?***contentAreaIdFilter***][&***indicatorIdFilter***][&***apiToken***]

Example A	**Example B**	**Example C**
View measures that have data available for the years 2011 and 2012 within the Heart Disease and Stroke content area.	View measures that have data available for the months of January and February in the year 2014 for the Stroke Systems of Care: Pre-hospital Policy Interventions indicators.	View measures that have data available for the months of January and February in the year 2014 for both the Sunlight and UV content area and the Stroke Systems of Care: Pre-hospital Policy Interventions indicators.
Parameters A version = v1 temporalTypeId = 1 temporalItemIdFilter = 2011, 2012 contentAreaIdFilter = 4 indicatorIdFilter = Null	**Parameters B** version = v1 temporalTypeId = 4 temporalItemIdFilter = 201401, 201402 contentAreaIdFilter = Null indicatorIdFilter = 169	**Parameters C** version = v1 temporalTypeId = 4 temporalItemIdFilter = 201401, 201402 contentAreaIdFilter = 26 indicatorIdFilter = 169
GET Request A ephtracking.cdc.gov/apigateway/api/v1/searchMeasureByTemporalItems/1/2011,2012?contentAreaIdFilter=4	**GET Request B** ephtracking.cdc.gov/apigateway/api/v1/searchMeasureByTemporalItems/4/201401,201402?indicatorIdFilter=169	**GET Request C** ephtracking.cdc.gov/apigateway/api/v1/searchTemporalItems/4/201401,201402?contentAreaIdFilter=26&indicatorIdFilter=169

Notes:

- Using the optional contentAreaIdFilter or indicatorIdFilter will speed up the query.

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Search Measure by Geographic Items Examples

You may want to query for measures that have data available for all entries in a set of geographic items. Optionally, limit what measures are returned to a specific set of indicators and/or content areas (Union).

Format:

ephtracking.cdc.gov/apigateway/api/{version}/searchGeographicItems/{***geographicTypeId***}/{***geographicItemIdFilter***}
[?***contentAreaIdFilter***][&***indicatorIdFilter***][&***apiToken***]

Example A	**Example B**	**Example C**
View measures that have data available for the states of California and Ohio.	View measures that have data available for Los Angeles County in the Air Quality content area.	View measures that have data available for the state of Georgia in both the Air Quality content area and the Incidence of Leukemia indicators.
Parameters A version = v1 geographicTypeId = 1 geographicItemIdFilter = 06, 39 contentAreaIdFilter = Null indicatorIdFilter = Null	**Parameters B** version = v1 geographicTypeId = 2 geographicItemIdFilter = 6037 contentAreaIdFilter = 11 indicatorIdFilter = Null	**Parameters C** version = v1 geographicTypeId = 1 geographicItemIdFilter = 13 contentAreaIdFilter = 11 indicatorIdFilter = 20
GET Request A https://ephtracking.cdc.gov/apigateway/api/v1/searchMeasureByGeographicItems/1/06,39	**GET Request B** https://ephtracking.cdc.gov/apigateway/api/v1/searchMeasureByGeographicItems/2/6037?contentAreaIdFilter=11	**GET Request C** https://ephtracking.cdc.gov/apigateway/api/v1/searchMeasureByGeographicItems/1/13?contentAreaIdFilter=11&indicatorIdFilter=20

Notes:

- Using the optional contentAreaIdFilter or indicatorIdFilter will speed up the query

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Search Temporal Items by Measure Examples

You may want to query which temporal items have data available for all entries in a set of measures. Optionally, filter by the parentTemporalId to limit the returned temporal items to a specific year.

Format:

ephtracking.cdc.gov/apigateway/api/{version}/searchTemporalItemsByMeasure/{***temporalTypeId***}/{***measureIdFilter***}
[?***parentTemporalId***][&***apiToken***]

Example A	**Example B**	**Example C**
View year temporals available for the "Percent of Cancer Risk Estimates by Source" measure.	View daily temporals available for the "State-issued Stay-at-home Orders" measure in the year 2020.	View year temporals available for the "Age-adjusted Incidence rRate of Brain and Other Nervous System Cancer per 100,000 Population" and "Age-adjusted Incidence Rate of Pancreas Cancer per 100,000 Population" measures in the years 2010 and 2011.
Parameters A version = v1 temporalTypeId = 1 measureIdFilter = 479 parentTemporalId = Null	**Parameters B** version = v1 temporalTypeId = 8 measureIdFilter = 927 parentTemporalId = 2020	**Parameters C** version = v1 temporalTypeId = 1 measureIdFilter = 50, 491 parentTemporalId = 2010, 2011
GET Request A https://ephtracking.cdc.gov/apigateway/api/v1/searchTemporalItemsByMeasure/1/479,480	**GET Request B** https://ephtracking.cdc.gov/apigateway/api/v1/searchTemporalItemsByMeasure/8/927?parentTemporalId=2020	**GET Request C** https://ephtracking.cdc.gov/apigateway/api/v1/searchTemporalItemsByMeasure/1/50,491?parentTemporalId=2010,2011

Notes:

- Minimum temporal IDs are populated in multiyear or weekly measures.

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Search Geographic Items by Measure Examples

You may want to query which geographic items have data available for all entries in a set of measures. Optionally, filter by the parentGeographicId to limit the returned geographic items to a specific state.

Format:

ephtracking.cdc.gov/apigateway/api/{version}/searchMeasureGeographicItems/{***geographicTypeId***}/{***measureIdFilter***}
[?***parentGeographicId***][&***apiToken***]

Example A	**Example B**	**Example C**
View state geographic items available for the "Percent of Cancer Risk Estimates by Source" measure.	View county geographic items available for the "Number of Hospitalizations for Asthma" measure in the state of California.	View county geographic items available for both the "Median Household Income" and "Number of People Without Health Insurance" measures in the states of Georgia and Kansas.
Parameters A version = v1 geographicTypeId = 1 measureIdFilter = 479 parentGeographicId = Null	**Parameters B** version = v1 geographicTypeId = 2 measureIdFilter = 99 parentGeographicId = 6	**Parameters C** version = v1 geographicTypeId = 2 measureIdFilter = 328, 329 parentGeographicId = 13, 20
GET Request A https://ephtracking.cdc.gov/apigateway/api/v1/searchGeographicItemsByMeasure/1/479	**GET Request B** https://ephtracking.cdc.gov/apigateway/api/v1/searchGeographicItemsByMeasure/2/99?parentGeographicId=6	**GET Request C** https://ephtracking.cdc.gov/apigateway/api/v1/searchGeographicItemsByMeasure/2/328,329?parentGeographicId=13,20

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Schemas

The following section defines the schema of the return type for each currently available call to the Tracking Network's API. The glossary contains definitions of the parameters. Click the parameters to jump to the appropriate glossary section.

Content Areas Schema

```
{
	"type": "array,
	"items": {
		"type": "object",
		"properties": {
			"id": {
				"type": "integer"
			},
			"name": {
				"type": "integer"
			},
			"shortName": {
				"type": "string"
			}
		}
	}
}
```

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Indicators Schema


```
{
	"type": "array,
	"items": {
		"type": "object",
		"properties": {
			"id": {
				"type": "integer"
			},
			"name": {
				"type": "integer"
			},
			"shortName": {
				"type": "string"
			},
			"externalURL": {
				"type": "integer"
			},
			"externalURLText": {
				"type": "string"
			}
		}
	}
}
```


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Measures Schema

```
{
	"type": "array,
	"items": {
		"type": "object",
		"properties": {
			"id": {
				"type": "integer"
			},
			"name": {
				"type": "integer"
			},
			"shortName": {
				"type": "string"
			},
			"externalURL": {
				"type": "integer"
			},
			"externalURLText": {
				"type": "string"
			}
		}
	}
}
```

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Geographic Types Schema


```
{
	"type": "array,
	"items": {
		"type": "object",
		"properties": {
			"id": {
				"type": "integer"
			},
			"geographicTypeId": {
				"type": "integer"
			},
			"geographicType": {
				"type": "string"
			},
			"selectOptionsTypeId": {
				"type": "integer"
			},
			"selectOptionsType": {
				"type": "string"
			},
			"smoothingLevelId": {
				"type": "integer"
			},
			"smoothingLevel": {
				"type": "string"
			}
		}
	}
}
```


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Stratification Types Schema


```
{
	"type": "array,
	"items": {
		"type": "object",
		"properties": {
			"displayName": {
				"type": "string"
			},
			"isDisplayed": {
				"type": "boolean"
			},
			"isRequired": {
				"type": "boolean"
			},
			"isGrouped": {
				"type": "boolean"
			},
			"displayAllValues": {
				"type": "boolean"
			},
			"selectOneItem": {
				"type": "boolean"
			},
			"stratificationItem": {
				"type": "array,
				"items": {
					"type": "object",
					"properties": {
						"name": {
							"type": "string"
						},
						"longName": {
							"type": "string"
						},
						"isDefault": {
							"type": "boolean"
						},
						"useLongName": {
							"type": "boolean"
						},
						"localId": {
							"type": "integer"
						}
					}
				}
			}
		}
	}
}
```


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Stratification Level Schema


```
{
	"type": "array,
	"items": {
		"type": "object",
		"properties": {
			"id": {
				"type": "integer"
			},
			"name": {
				"type": "string"
			},
			"abbreviation": {
				"type": "string"
			},
			"geographicTypeId": {
				"type": "string"
			},
			"stratificationType": {
				"type": "array,
				"items": {
					"type": "object",
					"properties": {
						"id": {
							"type": "integer"
						},
						"name": {
							"type": "string"
						},
						"abbreviation": {
							"type": "string"
						},
						"columnName": {
							"type": "string"
						}
					}
				}
			}
		}
	}
}
```


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Geographyic Items Schema


```
{
	"type": "array,
	"items": {
		"type": "object",
		"properties": {
			"parentGeographicId": {
				"type": "integer"
			},
			"parentName": {
				"type": "string"
			},
			"parentAbbreviation": {
				"type": "string"
			},
			"childGeographicId": {
				"type": "string"
			},
			"childName": {
				"type": "string"
			},
			"childAbbreviation": {
				"type": "string"
			},
			"id": {
				"type": "integer"
			}
		}
	}
}
```


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Temporal Items Schema


```
{
	"type": "array,
	"items": {
		"type": "object",
		"properties": {
			"id": {
				"type": "integer"
			},
			"parentTemporalId": {
				"type": "integer"
			},
			"parentTemporal": {
				"type": "string"
			},
			"parentMinimumTemporalId": {
				"type": "integer"
			},
			"parentTemporalTypeId": {
				"type": "integer"
			},
			"parentTemporalType": {
				"type": "string"
			},
			"temporalId": {
				"type": "integer"
			},
			"minimumTemporalId": {
				"type": "integer"
			},
			"minimumTemporal": {
				"type": "integer"
			},
			"temporal": {
				"type": "string"
			},
			"temporalTypeId": {
				"type": "integer"
			},
			"temporalType": {
				"type": "string"
			},
			"parentTemporalDisplay": {
				"type": "string"
			}
		}
	}
}
```


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Core Holder Schema


```
{
	"type": "object",
	"properties": {
		"legendResult": {
			"type": "array",
			"items": { }
		}
		"dataClassificationType": {
			"type": "null",
		},
		"tableResultClass": {
			"type": "string"
		},
		"tableReturnType": {
			"type": "string"
		},
		"tableResult": {
			"type": "array",
			"items": {
				"type" : "object",
				"properties": {
					"id": {
						"type": "string"
					},
					"dataValue": {
						"type": "string"
					},
					"displayValue": {
						"type": "string"
					},
					(deprecated)"year": {
						"type": "string"
					},
					"temporalTypeId": {
						"type": "integer"
					},
					"temporal": {
						"type": "string"
					},
					"temporalDescription": {
						"type": "string"
					},
					"temporalColumnName": {
						"type": "string"
					},
					"temporalRollingColumnName": {
						"type": "string"
					},
					"temporalId": {
						"type": "integer"
					},
					"minimumTemporal": {
						"type": "string"
					},
				"minimumTemporalId": {
						"type": "integer"
				},
				"parentTemporalTypeId": {
						"type": "integer"
				},
				"parentTemporalType": {
						"type": "string"
```

```
},
"parentTemporal": {
        "type": "string"
},
"parentTemporalId": {
        "type": "integer"
 },
 "groupById": {
        "type": "string"
 },
 "geographicTyped": {
        "type": "integer"
 },
 "calculationType": {
        "type": "string"
 },
 "noDataId": {
        "type": "intenger"
 },
 "hatchingId: {
        "type": "intenger"
 },
 "hatching": {
        "type": "null"
 },
 "suppressionFlag": {
        "type": "string"
 },
 "noDataBreakGroup": {
        "type": "intenger"
 },
 "confidenceIntervalLow": {
        "type": "null"
 },
 "confidenceIntervalHigh": {
        "type": "null"
 },
 "confidenceIntervalName": {
        "type": "null"
 },
 "standardError": {
        "type": "null"
 },
 "standardErrorName": {
        "type": "null"
 },
 "secondaryValue": {
        "type": "null"
 },
 "secondaryValueName": {
        "type": "null"
 },
 "categoryId": {
        "type": "intenger"
 },
 "category": {
        "type": "null"
 },
 "categoryName": {
        "type": "null"
 },
 "title": {
        "type": "string"
 },
 "rollover": {
```

```
                        "type": "array",
                        "items": {
                                "type": "string"
                        }
                },
                "confidenceIntervalHighName": {
                        "type": "string"
                },
                "confidenceIntervalDisplay": {
                        "type": "string"
                },
                "standardErrorDisplay": {
                        "type": "string"
                },
                "secondaryValueDisplay": {
                        "type": "string"
                },
                "confidenceIntervalLowName": {
                        "type": "string"
                },
                "parentGeoId": {
                        "type": "integer"
                },
                "geo": {
                        "type": "string"
                },
                "geoId": {
                        "type": "string"
                },
                "parentGeo": {
                        "type: "string"
                },
                "geoAbbreviation": {
                        "type": "string"
                },
                "parentGeoAbbreviation": {
                        "type": "string"
                }
        }
    }
},
"benchmarkInformation": {
        "type": "object",
        "properties": {
                "id": {
                        "type": "intenger"
                },
                "measureId": {
                        "type": "intenger"
                },
                "benchmarkId": {
                        "type": "intenger"
                },
                "measureGeographicTypeId": {
                        "type": "intenger"
                },
                "units" : {
                        "type": "null"
                }.
                "geographicDisplay": {
                        "type": "string"
                },
                "benchmarkName": {
                        "type": "string"
                },
```

```
                "benchmarkShortName": {
                        "type": "string"
                },
                "multipleSelectionActionId": {
                        "type": "intenger"
                },
                "multipleSelectionAction": {
                        "type": "string"
                },
                "active": {
                        "type": "boolean"
                },
                "hasMap": {
                        "type": "boolean"
                },
                "hasTable": {
                        "type": "boolean"
                },
                "hasChart": {
                        "type": "boolean"
                },
                "title": {
                        "type": "string"
                },
                "benchmarkFullName": {
                        "type": "string"
                },
                "geographicTypeDisplay": {
                        "type": "string"
                }
        }
},
"benchmarkResult": {
        "type": "array",
        "items": {
                "type" : "object",
                "properties": {
                        "id": {
                                "type": "string"
                        },
                        "dataValue": {
                                "type": "string"
                        },
                        "displayValue": {
                                "type": "string"
                        },
                        "year": {
                                "type": "string"
                        },
                        "groupById": {
                                "type": "string"
                        },
                        "geographicTypeId": {
                                "type": "intenger"
                        },
                        "calculationType": {
                                "type": "null"
                        },
                        "rollover": {
                                "type": "array",
                                "items": {
                                        "type": "string"
                                }
                        }
                        "parentGeoId": {
```

```
                        "type": "null"
                    },
                    "geo": {
                        "type": "null"
                    },
                    "geoId": {
                        "type": "null"
                    },
                    "parentGeo": {
                        "type": "null"
                    },
                    "geoAbbreviation": {
                        "type": "null"
                    },
                    "parentGeoAbbreviation": {
                        "type": "null"
                    }
                }
            }
        },
        "standard": {
            "type": "array",
            "items": {}
        },
        "aggregateResult": {
            "type" : "null",
        },
        "lookupList": {
            "type": "array",
            "items": {
                “type”: “map”
                “entries” {
                    “key”: {
                        "groupById": {
                            "type": "integer"
                        },
                    },
                    “value”: {
                        “type”: “object”,
                        “properties”: {
                            "columnName": {
                                "type": "string"
                            },
                            "itemName": {
                                "type": "string"
                            },
                            "localId": {
                                "type": "integer"
                            },
                            "uid": {
                                "type": "null"
                            },
                            "stratificationTypeId": {
                                "type": "integer"
                            },
                            "name": {
                                "type": "string"
                            }
                        }
                    }
                }
            }
        },
        "measureInformationDTO": {
            "type": "object",
```

```
                "properties": {

                }
            },
            "measureStratificationLevel": {
                "type": "object",
                "properties": {

                }
            },
            "publicAPIUrl": {
                "type": "string"
            },
            "publicAPIServerUrl": {
                "type": "string"
            },
            "fullPublicAPIUrl": {
                "type": "string"
            }
        }
}
```

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Measure Search Schema


```
{
	"type": "array,
	"items": {
		"type": "object",
		"properties": {
			"contentAreaId": {
				"type": "integer"
			},
			"contentAreaName": {
				"type": "string"
			},
			"indicatorId": {
				"type": "integer"
			},
			"indicatorName": {
				"type": "string"
			},
			"measureId": {
				"type": "integer"
			},
			"measureName": {
				"type": "string"
			},
			"indicatorStatusId": {
				"type": "integer"
			},
			"contentAreaStatusId": {
				"type": "integer"
			}
			"keywords": {
				"type": "string"
			},
		}
	}
}
```


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All Temporal Types Schema

```
{
        "type": "array,
        "items": {
                "type": "object",
                "properties": {
                        "temporalTypeId": {
                                "type": "integer"
                          },
                        "name": {
                                "type": ""
                          },
                        "parentTemporalTypeId": {
                                "type": "integer"
                          }
                }
        }
}
```

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All Geographic Types Schema

```
{
        "type": "array,
        "items": {
                "type": "object",
                "properties": {
                        "geographicTypeId": {
                                "type": “integer"
                          },
                        "name": {
                                "type": "string"
                          },
                        "abbreviation": {
                                "type": "string"
                          },
                        "parentGeographicTypeId": {
                                "type": "integer"
                          }
                }
        }
}
```

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All Stratification Types Schema

```
{
	"type": "array,
	"items": {
		"type": "object",
		"properties": {
			"id": {
				"type": "integer"
			  },
			"name": {
				"type": "string"
			  },
			"abbreviation": {
				"type": "string"
			  },
			"columnName": {
				"type": "string"
			  }
		}
	}
}
```

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All Stratification Levels Schema

```
{
	"type": "array,
	"items": {
		"type": "object",
		"properties": {
			"id": {
				"type": "integer"
			  },
			"name": {
				"type": "string"
			  },
			"abbreviation": {
				"type": "string"
			  }
		}
	}
}
```

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Search Measure by Temporal Items Schema

```
{
	"type": "array,
	"items": {
		"type": "object",
		"properties": {
			"id": {
				"type": "integer"
			},
			"name": {
				"type": "string"
			},
			"shortName": {
				"type": "string"
			}
		}
	}
}
```

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Search Measure by Geographic Items Schema

```
{
	"type": "array,
	"items": {
		"type": "object",
		"properties": {
			"id": {
				"type": "integer"
			},
			"name": {
				"type": "string"
			},
			"shortName": {
				"type": "string"
			}
		}
	}
}
```

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Search Temporal Items by Measure Schema


```
{
	"type": "array,
	"items": {
		"type": "object",
		"properties": {
			"id": {
				"type": "integer"
			},
			"parentTemporalId": {
				"type": "integer"
			},
			"parentTemporal": {
				"type": "string"
			},
			"parentMinimumTemporalId": {
				"type": "integer"
			},
			"parentTemporalTypeId": {
				"type": "integer"
			},
			"parentTemporalType": {
				"type": "string"
			},
			"temporalId": {
				"type": "integer"
			},
			"minimumTemporalId": {
				"type": "integer"
			},
			"minimumTemporal": {
				"type": "integer"
			},
			"temporal": {
				"type": "string"
			},
			"temporalTypeId": {
				"type": "integer"
			},
			"temporalType": {
				"type": "string"
			},
			"parentTemporalDisplay": {
				"type": "string"
			}
		}
	}
}
```


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Search Geographic Items by Measure Schema


```
{
	"type": "array,
	"items": {
		"type": "object",
		"properties": {
			"parentGeographicId": {
				"type": "integer"
			},
			"parentName": {
				"type": "string"
			},
			"parentAbbreviation": {
				"type": "string"
			},
			"childGeographicId": {
				"type": "string"
			},
			"childName": {
				"type": "string"
			},
			"childAbbreviation": {
				"type": "string"
			},
			"id": {
				"type": "integer"
			}
		}
	}
}
```


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Appendix

Glossary

The glossary is separated into the following sections. Sections are sorted in order of occurrence and terms within each section are sorted alphabetically:

- General—(for general terms used throughout)
- Content Areas
- Indicators
- Measures
- Geographic Levels
- Measure Stratifications
- Stratification Levels
- Geographies
- Temporals
- Get Core Holder
- Core Holder: Table Result
- Core Holder: Health Impact Table Result
- Core Holder: Climate Change Table Result
- Core Holder: Month Table Result
- Core Holder: Quarter Table Result
- Core Holder: Day Table Result
- Core Holder: Daily Estimates Table Result
- Core Holder: Heat Episodes Table Result
- Core Holder: PM (Point Map) Table Result
- Core Holder: CWS (Community Water System) Table Result
- Core Holder: Sample Size Table Result
- Core Holder: State Metadata Table Result
- Core Holder: Daily Temperature Table Result
- Core Holder: Benchmark Information
- Core Holder: Benchmark Result
- Search Temporal Items
- Search Geographic Items
- Search Measure Temporal Items
- Search Measure Geographic Items

Due to the large object returned by the full core holder, there are additional sections for the returned parameters of the core holder's children. Some terms have a label "(M)", "(F)", or (D) next to them. Definitions are provided below:

Key	Definition
(M)	Contains multiple definitions for multiple, identically named variables returned in the same call.
(F)	Only available through the full core holder. Object and children are **NOT** intended for use.
(D)	Deprecated, may be removed in future builds.

General Terms

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apiToken	The unique identifier supplied by the Environmental Public Health Tracking Network for additional access to data. Register to receive a token for the Environmental Public Health Tracking Network API by contacting trackingsupport@cdc.gov.
content area	A content area is a topic within environmental public health. Examples are "asthma," "Drinking Water," and "Homes." A content area may have more than one indicator.
core holder	Contains all information needed to plot, chart, or map a measure tracked in the Tracking Network's API.
full core holder (F)	Contains all information needed to recreate charts, maps, and tables of measures seen through CDC's Data Explorer. This is not recommended for use.
geographic level	Level or type of geography level for a measure, e.g., state, county.
geography	Geographic information about a measure. e.g., name, location, etc.
indicator	One or more items, characteristics or other things will be assessed. It is assessed through direct and indirect measures. An indicator can belong to more than one content area and may have more than one measure.
measure	A summary characteristic or statistic, such as a sum, percentage, or rate. There may be several measures of a specific indicator that, when considered in conjunction, fully describe the indicator. A measure can belong to more than one indicator.
measure stratification	Available categories to split a measure into different strata by. Combinations of measure stratifications and geography levels give a full stratification level. e.g., race, gender, age
strata	A subgroup to view a measure by. e.g., Black men, Hispanic women, age 65+ White men, etc.
stratification level	The full stratification of a measure. e.g., state X, gender X, race
stratification type	A category that can be used to create a strata. e.g., gender, race, ethnicity, etc.
stratum	A singular group to view data through. e.g., women, Black, Hispanic, White, age 65+, etc.
temporal	Temporal information about a measure. e.g., day, month, year.

Content Areas

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id	The ID of a content area used to view indicators of the content area.
name	The full name of a content area.
shortName	The abbreviated name of a content area. This is used as a label for the content area.

Indicators

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externalURL	The indicator references a URL external to the Environmental Public Health Tracking Network.

externalURLText	Display text for the above external URL.
id	The ID of an indicator, used to view measures of the indicator.
name	The full name of an indicator.
shortName	The abbreviated name of an indicator. Used as a label for the indicator.

Measures

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externalURL	The measure references a URL external to the Environmental Public Health Tracking Network.
externalURLText	Display text for the above external URL.
id	The ID of a measure, used to view geographic, stratification, and temporal information about the measure and to fetch data from the measures core holder.
name	The full name of a measure.
shortName	The abbreviated name of a measure, used as a label for the measure.

Geographic Types

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FIPS	Federal Information Processing Specification—FIPS state codes and county codes are numeric codes defined in U.S. Federal Information Processing Standard Publications.
geographicType	Type of geography of a geographic level. e.g., state, county, national, census track
geographicTypeId	Integer ID of geographic type. Used in calls to view stratification, geographic, and temporal information of a measure. 1: state, 2: county, 6: national, 7: Census tract.
id	The integer ID of the geographic level.
selectOptionsType	Selection options type available for each measure.
selectOptionsTypeId	Integer ID for each select option type. 1: no restrictions, 3: single child, single parent if applicable, 4: no geographic selection, 5: single parent, all children.
smoothingLevel	Level or type of smoothing available for a measure. Smoothed measures are geographically based averages. Geographic smoothing algorithms borrow information from neighboring areas to stabilize results from sparsely populated areas. Most measures are not smoothed.
smoothingLevelId	Integer ID for each smoothing level or type. 1: not smoothed, 2: smoothing only, 3: both

Stratifications Types

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displayAllValues	
displayName	The name used for the measure stratification (NOTE: Not the names of the available strata). e.g., gender, race/ethnicity, age, etc.
isDefault	Whether a stratum is selected by default as an advanced option in the data explorer.
isDisplayed	Whether a stratum is displayed as an advanced option in the data explorer. This is rarely used.
isGrouped	Whether a stratum is grouped with other advanced options in the data explorer. If it is grouped, then only one stratum from the group may be selected at a time for the query.

isRequired	Whether a stratum is required as an advanced option in the data explorer.
localId	Local ID of a stratum within a stratification item. Used to select this stratum when fetching the measures core holder. e.g., within the gender measure stratification we have two strata with localIds 1 and 2. 1: male, 2: female.
longName	The long name of the stratum available through the measure stratification.
name	The name of the stratum available through the measure stratification (NOTE: Not the name of the measure stratification). e.g., male, female, etc.
selectOneItem	Whether only one stratum may be selected from this measure stratification. This is used with isGrouped.
stratificationItem	Object containing information about the strata available through the measure stratification See "useLongName," "longName," "isDefault," "name," and "localId" for information contained.
useLongName	Whether the long name should be used to display a stratum.

Stratification Levels

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abbreviation (M)	1. The abbreviation of the stratification level made by the measure stratifications and geography level. e.g., "State X Gender" is "ST_GN" 2. The abbreviation of the measure stratifications used to create the stratification level.
columnName	The column heading of a measure stratifications ID, used to select strata of the measure stratification when fetching a measures core holder. e.g., gender has columnName GenderId used to select 1: male, 2: female.
geographicTypeId	The ID of the geographic type associated with the geographic level used to create the stratification level. 1: state, 2: county, etc. e.g., "State X Gender" uses 1 (state).
id (M)	1. The ID associated with a full stratification level, used to select the stratification level when fetching a measures core holder. e.g., “State X Gender” has ID 4. 2. The IDs associated with the measure stratifications used to create a stratification level. e.g., “Race/Ethnicity” has ID 8.
name (M)	1. The name associated with a full stratification level. Used to select the stratification level when fetching a measures core holder. e.g., “State X Gender,” “State X Race/Ethnicity,” “State X Gender X Race/Ethnicity.” 2. The names associated with the measure stratifications used to create a stratification level. e.g., “Race/Ethnicity,” “Gender.”

Geographic Items

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childAbbreviation	The abbreviated name of the geographic locations child component, typically the full FIPS code of the county. Counties do not have official abbreviations. This is null for a state-level measure.
childGeographicId	The integer ID for the geographic locations child component. This is typically representative of a FIPS code. An example of a child would be a county as a child to a state. This is null for a state-level measure.

childName	The name of the geographic locations child component. It creates a full location in combination with parent. e.g., Franklin, OH; Autauga, AL; Oakland, MI, etc. This is null for a state-level measure.
id	The integer ID for the geographic location. Typically representative of a FIPS Code.
parentAbbreviation	The abbreviated name of the geographic locations parent component. e.g., AL: Alabama, AK: Arkansas, MI: Michigan, TX: Texas
parentGeographicId	The integer ID for the geographic locations parent component, typically representative of a FIPS code. An example of a parent would be a state as a parent to a county.
parentName	The abbreviated name of the geographic locations parent component. e.g., Alabama, Arkansas, Michigan, Texas
Temporals | Top of Guide | Overview | Examples | Schema |	
childTemporal	The sequence of time of the parent component of the temporal. This may be null e.g., 06/11, 02/04, 12/31, 01/01.
childTemporalId	The integer ID associated with the child component of the temporal. This may be null.
childTemporalType	The temporal type of the child component. This may be null. e.g., year, multiyear, quarter, month, day.
childTemporalTypeId	The integer ID of the temporal type of the parent component. This may be null. e.g., 1: tear, 2: multiyear, 3: quarter, 4: month, 5: none, 8: day.
id	The integer ID for the temporal.
parentTemporal	The sequence of time of the parent component of the temporal. e.g., 2020, 2021.
parentMinimumTemporalId	The smallest parent temporal available for a measure.
parentTemporalDisplay	The display name of the parent component of the temporal.
parentTemporalId	The integer ID associated with the parent component of the temporal.
parentTemporalType	The temporal type of the parent component. e.g., year, multiyear, quarter, month, day.
parentTemporalTypeId	The integer ID of the temporal type of the parent component. e.g., 1: year, 2: multiyear, 3: quarter, 4: month, 5: none, 8: day.
Get Core Holder | Top of Guide | Overview | Examples | Schema |	
aggregateResult (F)	Data related to the total aggregate of the measure. e.g., min, max, mean, standard deviation, variance. This is not intended for use.
benchmarkInformation	Object containing information about the benchmarks used in this measure.
benchmarkResult	Array of benchmarks used to compare values against, for this query.
dataClassificationType (F)	Information used to determine all break groups of the data.
fullPublicAPIUrl	Full URL used to make the query through the API. This is a concatenation of the publicAPIServerUrl and the publicAPIUrl.
legendResult (F)	Information about each break group of the data for charting.

lookupList (F)	Information about strata looked up by this query.
measureInformationDTO (F)	Transfers all information about the measure to build charts, tables, and choropleth maps.
measureStratificationLevel (F)	Information about how the query was stratified.
publicAPIServerUrl	The URL segment used to reach the server.
publicAPIUrl	The URL segment used to reach the API.
Standard (F)	Currently unused.
stateMetadataTableResult	A table return type specific to state metadata, contains additional fields for state metadata.
tableResult	Array of values that may be used to build a table, map, or chart from this query. This can return multiple different types of table results.
tableResultClass	The class used to build the table result.
tableReturnType	The table object containing the queried data. e.g., if tableReturnType is "tableResult" then "tableResult" holds the queried data.

Get Core Holder: Table Result

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calculationType	How a value is calculated for this query. e.g., count, age-adjusted rate.
category	Used for measures that do not have a calculation type. e.g., land use
categoryId	The integer ID of the category for this data point.
categoryName	The name of the category for this data point.
confidenceIntervalDisplay	The full display of the range for the confidence interval.
confidenceIntervalHigh	The higher value of the confidence interval.
confidenceIntervalHighName	The display name for the high value of the confidence interval, typically "Confidence Interval High."
confidenceIntervalLow	The lower value of the confidence interval.
confidenceIntervalLowName	The display name for the low value of the confidence interval, typically "Confidence Interval Low."
confidenceIntervalName	The confidence interval type. e.g., "95% Confidence Interval"
dataValue	The numerical value of a data point in a table result. This is null if the data point value is suppressed.
displayValue	The formatted data value used for display. This is "suppressed" if the data point value is suppressed.
geo	The name of the location for this data point. e.g., "Alabama"
geoAbbreviation	The abbreviated name of the location for this data point. e.g., "Al"
geographicTypeId	The ID of the geographic level we are looking at. e.g., 1: state, 2: county.
geoId	The ID of the location for this data point, typically a FIPS ID. e.g., “01” for Alabama.
groupById	Grouping ID for all advanced strata selected.

Hatching	Type of hatching to use for charts. Hatching is a slanted stripe texture applied to the map/chart to denote special information about the data point.
hatchingId	The integer ID associated for this hatching.
Id	The integer ID of a data point in the table result.
minimumTemporal	The lower bound of a temporal for temporal ranges (week/multiyear).
minimumTemporalId	The integer ID of the lower temporal bound.
noDataBreakGroup	Used to map legend values for locations with no data.
noDataId	Type of no data to use. e.g., “Not Found”, “NA”, “Data Not Collected.”
parentGeo	Stores name of parent location if available. e.g., “Alabama” if geo is “Autauga” (state and county).
parentGeoAbbreviation	Stores abbreviation of the parent location if available.
parentGeoId	Stores integer ID of parent location if available.
parentTemporal	The parent temporal if it exists. For example, year is a parent temporal for daily/weekly/monthly data points.
parentTemporalId	The integer ID of the parent temporal if it exists.
parentTemporalType	The temporal type of the parent temporal.
parentTemporalTypeId	The integer ID of the parent temporal type.
Rollover	An array of strings to be displayed on hovering mouse over the data point.
secondaryValue	The secondary value of a data point if available. This is typically used to store a data point’s true value if the primary value is used to store a data point’s categorical value. This is null if not available
secondaryValueDisplay	The formatted output secondary value of a data point for display. This is typically used for a data point’s true value if the primary value is used for a data point’s categorical value.
secondaryValueName	The value name of a data point for display. This is typically used for a data point’s true value if the primary value is used for a data point’s categorical value.
standardError	The standard error value of this data point.
‘standardErrorDisplay	The formatted display of the standard error.
standardErrorName	The type of standard error being used.
suppressionFlag	Whether the data is suppressed or not. 1: true, 0: false.
Temporal	The temporal the data point is reported for.
temporalColumnName	Denotes the format of a temporal as a year, month, or day. e.g., "ReportYear" or "ReportDay."
temporalDescription	The description of the temporal type. e.g., "Multiple Years" or "multiyear."
temporalId	The integer ID of the temporal.
temporalRollingColumnName	Denotes the format of the rollover (mouseover) display for a temporal.
temporalTypeId	The integer ID of the temporal type.

title	Used to title a data point in a map/charts display.
year (D)	The time the data point is reported for.

Get Core Holder: Health Impact Table Result

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healthImpactTableResult	Table result subtype for measures concerning public health impacts from environmental improvements. This contains addition fields related to health impacts.
baseline	The starting point for the health quality of a location.
baselineDescription	The description of the baseline. e.g., "Baseline Deaths."
cases	The number of cases seen.
casesDescription	The description of what the cases represent.
percentageChange	The improvement seen.
percentageChangeDescription	A description of the improvement that would be seen.
rank	How the improvement ranks among data points.

Get Core Holder: Climate Change Table Result

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climateChangeTableResult	Table result subtype for measures concerning climate change, contains additional fields related to climate change.
isSignificant	Whether the data point is significant or not.

Get Core Holder: Daily Estimates Table Result

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dailyEstimatesTableResult	Table result subtype for measures related to daily temperature estimates, contains additional fields for daily temperature estimates.
dailyMax	The predicted maximum temperature of the day.
dailyMin	The predicted minimum temperature of the day.
hottestTemp	Whether this data point represents the hottest temperature recorded for a location.
reportDate	The date the temperature for the query was reported on.
yearlyMax	The hottest temperature over the course of the queried year.

Get Core Holder: Heat Episodes Table Result

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heatEpisodeTableResult	Table result subtype for measures concerning heat episodes. Contains additional fields related to heat episodes.
calculationTypeId	The ID of how the data point was calculated.
isHeatEpisode	Whether the data point is classified as a heat episode.
reportDate	The date the data point was reported.

Get Core Holder: PM (Point Map) Table Result

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pmTableResult	Table result subtype for measures that generate point maps. It contains additional fields related to point map generation.
Hex	The hex value of the color for the point on a map.
Latitude	The latitudinal coordinates of the point for the point map.
Longitude	The longitudinal coordinates of the point for the point map.

Get Core Holder: CWS (Community Water System) Table Result

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cwsTableResult	Table result subtype for measures concerning community water system. It contains additional fields related to the community water system.
coordinateId	The ID of the coordinates for the water system.
hex	The hex value of the color for the water system's point on a map.
pwsName	The name of the water system.
populationServed	The amount of people served by the water system.
pwsId	The ID of the water structure.

Get Core Holder: Sample Size Table Result

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sampleSizeTableResult	Table result subtype for measures generated from random sampling. It contains additional fields related to random sampling.
sampleSize	The size of the sample used to generate the data point.

Get Core Holder: State Metadata Table Result

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stateMetadataTableResult	Table result subtype for measures requiring state metadata. It contains additional fields related to climate change.
stateMetadata	The metadata of the state.

Get Core Holder: Daily Temperature Table Result

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dailyTemperatureTableResult	Table result subtype for measures about daily temperature reports. It contains additional fields related to daily reports.
reportDay	The day the temperature was reported.

Get Core Holder: Benchmark Information

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active	Whether this benchmark is being used or not.
benchmarkFullName	The full name of the benchmark for this query.
benchmarkId	The integer ID of the benchmark for this query.

benchmarkName	The name of the benchmark for this query.
benchmarkShortName	The shortened name of the benchmark for this query.
geographicDisplay	At the geographic level, this benchmark is used for comparisons. e.g., national, state
geographicTypeDisplay	The geographic type of the benchmark specifically. e.g., national benchmark.
hasChart	Whether the query has a chart view.
hasMap	Whether the query has a choropleth map view.
hasTable	Whether the query has a table view.
id	Integer ID associated with this benchmark.
measureGeographicTypeId	The geographic type ID associated with this query. e.g., 1: state, 2: county.
measureId	The measure ID the query was made for.
multipleSelectionAction	Currently unused.
multipleSelectionActionId	Currently unused.
title	Used to title information about the benchmark.
units	The units used for this measure and benchmark.

Get Core Holder: Benchmark Result

| Top of Guide | Overview | Examples | Schema |

calculationType	How this benchmark is calculated for this query. e.g., count, age-adjusted rate
dataValue	The value associated with this benchmark result, compared against table results.
displayValue	The formatted value of this benchmark result.
Geo	The name of the location associated with this benchmark result. This may be null.
geoAbbreviation	The abbreviated name of the location associated with this benchmark result. This may be null.
geographicTypeId	The geographic level this benchmark result is for. e.g., 1: state, 2: county.
geoId	The integer ID of the location associated with this benchmark result. This may be null.
groupById	The strata grouping for this benchmark, seen as advanced options in the data explorer.
id	Integer ID associated with this benchmark result.
parentGeo	The location associated with this benchmark result. This may be null.
parentGeoAbbreviation	The location associated with this benchmark result. This may be null.
parentGeoId	The location associated with this benchmark result. This may be null.
rollover	Array of strings to be displayed on hovering mouse over the benchmark.
year	The time for this benchmark.

Get Core Holder: Lookup List

| Top of Guide | Overview | Examples | Schema |

columnName	The stratum localId's column name, specifies the stratification type each localId is queried for
itemName	The name of stratum.
localId	The integer ID of the stratum.
name	The name of the stratification type this stratum belongs to.
stratificationTypeId	The integer ID of the stratification type.

Measure Search

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contentAreaId	The integer ID associated with the content area.
contentAreaName	The full name of the content area.
contentAreaStatusId	Integer value that indicates the status of the measure.
indicatorId	The integer ID associated with the indicator.
indicatorName	The full name of the indicator.
indicatorStatusId	Integer value that indicates the status of the indicator.
keywords	The list of words associated with the measure.
measureId	The integer ID associated with the measure.
measureName	The full name of the measure.

All Temporal Types

| Top of Guide | Overview | Examples | Schema |

name	The English name of the temporal type (e.g., year, month)
parentTemporalTypeId	The unique integer ID associated with the temporal type's parent temporal type
temporalTypeId	The unique integer ID associated with the temporal type.

All Geographic Types

| Top of Guide | Overview | Examples | Schema |

abbreviation	The English abbreviation of the geographic type's name.
geographicTypeId	The unique integer ID associated with the geographic type.
name	The English name of the geographic type (e.g., state, county)
parentGeographicTypeId	The unique integer ID associated with the geographic type's parent geographic type

All Stratification Types

| Top of Guide | Overview | Examples | Schema |

abbreviation	The English abbreviation of the stratification type's name.
columnName	The column name of the stratification type's local IDs
id	The unique integer ID associated with the stratification type.

name	The English name of the stratification type (e.g., year, month).
All Stratification Levels | Top of Guide | Overview | Examples | Schema |	
abbreviation	The English abbreviation of the stratification level's name.
id	The unique integer ID associated with the stratification level.
name	The English name of the stratification level (e.g., year, month)
Search Measure by Temporal Items | Top of Guide | Overview | Examples | Schema |	
id	The integer ID for the measure.
name	The full name of a measure.
shortName	The abbreviated name of a measure, used as a label for the measure.
Search Measure by Geographic Items | Top of Guide | Overview | Examples | Schema |	
id	The integer ID for the measure.
name	The full name of a measure.
shortName	The abbreviated name of a measure, used as a label for the measure.
Search Temporal Items by Measure | Top of Guide | Overview | Examples | Schema |	
childMinimumTemporalId	The smallest child temporal available for a measure.
childTemporal	The sequence of time of the parent component of the temporal. This may be null. e.g., 06/11, 02/04, 12/31, 01/01.
childTemporalId	The integer ID associated with the child component of the temporal. This may be null.
childTemporalType	The temporal type of the child component. This may be null. e.g., year, multiyear, quarter, month, day.
childTemporalTypeId	The integer ID of the temporal type of the parent component. May be null. e.g., 1: year, 2: multiyear, 3: quarter, 4: month, 5: none, 8: day.
id	The integer ID for the temporal.
parentMinimumTemporalId	The smallest parent temporal available for a measure.
parentTemporal	The sequence of time of the parent component of the temporal. e.g., 2020, 2021.
parentTemporalDisplay	The display name of the parent component of the temporal.
parentTemporalId	The integer ID associated with the parent component of the temporal.
parentTemporalType	The temporal type of the parent component. e.g., year, multiyear, quarter, month, day.
parentTemporalTypeId	The integer ID of the temporal type of the parent component. e.g., 1: year, 2: multiyear, 3: quarter, 4: month, 5: none, 8: day.

Search Geographic Items by Measure

| Top of Guide | Overview | Examples | Schema |

childAbbreviation	The abbreviated name of the geographic locations child component. Typically the full FIPS code of the county. Counties do not have official abbreviations. This is null for a state-level measure.
childGeographicId	The integer ID for the geographic location's child component. This is typically a FIPS code. An example of a child would be a county as a child to a state. This is null for a state-level measure.
childName	The name of the geographic location's child component. This creates a full location in combination with parent. e.g., Franklin, OH; Autauga, AL; Oakland, MI, etc This is null for a state-level measure.
id	The integer ID for the geographic location. This is typically a FIPS code.
parentAbbreviation	The abbreviated name of the geographic locations parent component. e.g., AL: Alabama, AK: Arkansas, MI: Michigan, TX: Texas.
parentGeographicId	The integer ID for the geographic location's parent component. This is typically a FIPS Code. An example of a parent would be a state as a parent to a county.
parentName	The abbreviated name of the geographic location's parent component. e.g., Alabama, Arkansas, Michigan, Texas.
measureName	The full name of the measure.

Deprecated Calls

A collection of calls marked as deprecated. These calls are planned to be removed from the API in the future and will need to be removed or replaced. This section provides the reason for deprecation, recommendation, and the end of support for the call.

Get Core Holder

Definition:

Returns metadata and all data points associated with a measure for a certain set of temporal items, geographic items, and a stratification level and its optional stratification items.

GET Format:

ephtracking.cdc.gov/apigateway/api/{version}/getCoreHolder/{***measureId***}/{***stratificationLevelId***}/{***geographicTypeIdFilter***}/{***geographicItemsFilter***}/{***temporal***}/{***isSmoothed***}/{***getFullCoreHolder***}[?***stratificationLevelLocalIds***][?***apiToken***]

Reason for Deprecation:

temporalTypeId now required in GET request format.

Recommendations:

- Update all requests using getCoreHolder to use the temporalType returned in the temporalItems call.

End of Life

TBD

Temporal

Definition:

Listing all available temporal items for a measure at a set of locations for a geographic type.

Format:

ephtracking.cdc.gov/apigateway/api/{version}/temporal/{***measureID***}/{***geographicTypeId***}/{***geographicTypeIdFilter***}/{***geographicItemsFilter***}[?***apiToken***]

Reason for Deprecation:

Replaced with temporalItems call; compare results below.

(OLD) https://ephtracking.cdc.gov/apigateway/api/v1/temporal/66/1/1/13,26,48
(NEW) https://ephtracking.cdc.gov/apigateway/api/v1/temporalItems/66/1/1/13,26,48

- Child temporal properties are renamed to be temporal properties.
- Parent temporal properties may now be null instead of temporal properties.
  - Not null if a parent is explicit (e.g., day and year).
- New “minimumTemporal” property.

Recommendations:

- Update all requests using the temporals call to use the temporalItems call and its schema.
- Update uses of the call to use the new alignment.
  - Temporal properties are always populated.
  - Parent temporal properties may be null.

End of Life

TBD

Removed Calls

Listing of calls that have been removed. These calls are no longer supported through the API and usage of these calls need to be removed or replaced. This section provides the reason for removal, recommendations for resolving uses of these calls, and the date the call was removed.

Search Measure Temporal Items

Definition:

Listing all available temporal items for a measure for some set of locations of a geographic type.

Format:

ephtracking.cdc.gov/apigateway/api/{version}/searchMeasureTemporalItems/{***temporalTypeId***}/{***measureIdFilter***}
[?***parentTemporalId***][&***apiToken***]

Reason for Removal:

Replaced with searchTemporalItemsByMeasure call; compare results below

(OLD) https://ephtracking.cdc.gov/apigateway/api/v1/searchMeasureTemporalItems/1/50,491
(NEW) https://ephtracking.cdc.gov/apigateway/api/v1/searchTemporalItemsByMeasure/1/50,491

- Child temporal properties are renamed to be temporal properties.
- Parent temporal properties may now be null instead of temporal properties.
  - Not null if a parent is explicit (e.g., day and year).
- New “minimumTemporal” property.

Recommendations:

- Update all requests using the searchMeasureTemporalItems call to use the searchTemporalItemsByMeasure call and its schema.
- Update uses of these requests to use the new temporal alignment.
  - Temporal properties are always populated.
  - Parent temporal properties may be null.

Removed

June 15th, 2023

Geographic Level

Definition:

Lists all geographic types and their associated IDs available for a measure.

Format:

ephtracking.cdc.gov/apigateway/api/{***version***}/geographiclevels/{***measureID***}[?***apiToken***]

Reason for Removal:

New URL endpoint, see geographicTypes call.

Recommendations:

- Update all requests using the geographiclevels URL endpoint to use the geographicTypes URL endpoint.

Removed

June 15th, 2023

Measure Stratification

Definition:

Lists all stratification types for a measure and geographic type, including the stratification types column name and local IDs within the column.

Format:

ephtracking.cdc.gov/apigateway/api/{***version***}/measurestratification/{***measureId***}/{***geographicTypeId***}/{***isSmoothed***}[?***apiToken***]

Reason for Removal:

New URL Endpoint, see stratificationTypes call

Recommendations:

- Update all requests using the measurestratification URL endpoint to use the stratificationTypes URL endpoint.

Removed

June 15th, 2023

Geography

Definition:

Lists all available geographic items for some geographic type and measure. Flag geographic rollup to only view unique parent geographic items.

Format:

ephtracking.cdc.gov/apigateway/api/{***version***}/geography/{***measureID***}/{***geographicTypeId***}/{***geographicRollup***}
[?***apiToken***]

Reason for Removal:

New URL Endpoint, see geographicItems call.

Recommendations:

- Update all requests using the geography URL endpoint to use the geographicItems URL endpoint.

Removed

June 15th, 2023

Search Temporal Items

Definition:

Returns all measures and their associated IDs with available data for all queried temporal items of a given temporal type.

Format:

ephtracking.cdc.gov/apigateway/api/{version}/searchTemporalItems/{***temporalTypeId***}/{***temporalItemIdFilter***}
[?***contentArealdFilter***][&***indicatorIdFilter***][&***apiToken***]

Reason for Removal:

New URL Endpoint, see searchMeasureByTemporalItems call.

Recommendations:

- Update all requests using the searchTemporalItems URL endpoint to use the searchMeasureByTemporalItems URL endpoint.

Removed

June 15th, 2023

Search Geographic Items

Definition:

Returns all measures with data available for all queried geographic items of geographic type.

Format:

ephtracking.cdc.gov/apigateway/api/{version}/searchGeographicItems/{***geographicTypeId***}/{***geographicItemIdFilter***}
[?***contentAreaIdFilter***][&***indicatorIdFilter***][&***apiToken***]

Reason for Removal:

New URL endpoint, see searchMeasureByGeographicItems call.

Recommendations:

- Update all requests using the searchGeographicItems URL endpoint to use the searchMeasureByGeographicItems URL endpoint.

Removed

June 15th, 2023

Search Measure Geographic Items

Definition:

Returns all geographic items of a specified geographic type that have data available for all queried measure IDs.

Format:

ephtracking.cdc.gov/apigateway/api/{version}/searchMeasureGeographicItems/{***geographicTypeId***}/{***measureIdFilter***}
[?***parentGeographicId***][&***apiToken***]

Reason for Removal:

New URL endpoint, see searchGeographicItemsByMeasure call.

Recommendations:

- Update all requests using the searchMeasureGeographicItems URL endpoint to use the searchGeographicItemsByMeasure URL endpoint.

Removed

June 15th, 2023

Geographic Types

Definition:

Returns all geographic types that can be queried through the API.

Format:

https://ephtracking.cdc.gov/apigateway/api/{version}/geographicTypes

Reason for Removal:

New URL endpoint, see allGeographicTypes call.

Recommendations:

- Update all requests using the geographicTypes URL endpoint to use the allGeographicTypes URL endpoint.

Removed

June 15th, 2023

Temporal Types

Definition:

Returns all temporal types that can be queried through the API.

Format:

https://ephtracking.cdc.gov/apigateway/api/{version}/temporalTypes

Reason for Removal:

New URL endpoint, see allTemporalTypes call.

Recommendations:

- Update all requests using the temporalTypes URL endpoint to use the allTemporalTypes URL endpoint.

Removed

June 15th, 2023

Stratification Types

Definition:

Returns all stratification types that can be queried through the API.

Format:

https://ephtracking.cdc.gov/apigateway/api/{version}/stratificationTypes

Reason for Removal:

New URL endpoint, see allStratificationTypes call.

Recommendations:

- Update all requests using the stratificationTypes URL endpoint to use the allStratificationTypes URL endpoint.

Removed

June 15th, 2023

Stratification Levels

Definition:

Returns all stratification levels that can be queried through the API.

Format:

https://ephtracking.cdc.gov/apigateway/api/{version}/stratificationLevels

Reason for Removal:

New URL endpoint, see allStratificationLevels call.

Recommendations:

- Update all requests using the stratificationLevels URL endpoint to use the allStratificationLevels URL endpoint.

Removed

June 15th, 2023