

Differences Between Public API and Full C3 AI COVID-19 Data Lake

The DTI team tries to keep this list as up-to-date as possible, however some information may be out of date.

The Public API primarily exposes the 'fetch' API and 'evalMetrics' API of the full C3 AI Suite. Generally speaking, for Types in the C3 AI COVID-19 Data Lake, the Public API allows you to 'fetch' instances of the exposed types. Some of these types also have a few supported Metrics. For those types, you can also call the 'evalmetrics' API.

The definitive Public API documentation is located [here](#).

APIs

- **Exposed APIs**
 - `fetch` - The fetch API can be called on Types in the Data Lake to return instances of these types (Available for all exposed C3 Types).
 - `evalMetrics` - The evalmetrics API can be called on some expressions which are defined on some `outbreakLocations`. These are detailed as part of the COVID-19 Public Data Lake documentation. Available only for `outbreakLocation`.
 - Other available APIs - Please see the official documentation for more information about these:
 - `getprojectionhistory`
 - `getarticlemetadata`
 - `getimageurls`
 - `allversionsforpolicy`
- **Unavailable APIs**
 - Any methods defined on the available types in the Data Lake that aren't explicitly mentioned in the COVID-19 Public Data Lake documentation are not available through the public API.
 - Example: The `listMetrics()` function is defined on Types inheriting `MetricEvaluatable`. This gives a list of available Metrics you can use for a given type. This function cannot be called through the Public API.

Types

- **Exposed Types**
 - `OutbreakLocation`
 - `Hospital`
 - `PatientRoute`
 - `LineListRecord`
 - `LocationPolicySummary`
 - `ClinicalTrial`
 - `TherapeuticAsset`
 - `ExternalLink`
 - `VaccineCoverage`
 - `PolicyDetail`
 - `LocationExposure`
 - `BiblioEntry`
 - `PopulationData`
 - `BiologicalAsset`
 - `Sequence`
 - `Subsequence`
 - `AminoAcidLookup`
 - `NucleotideLookup`
- **Unavailable Types**
 - `Fips`
 - Header types associated with timeseries data like `JHU_ConfirmedCases` or `NYT_ConfirmedCases`.
 - Others the DTI is not currently aware of.

Properties

- **Unavailable Properties**
 - In some cases, Type properties are not available through the Public API. For example, when evaluating timeseries information, the 'earliest' and 'latest' properties associated with that timeseries's header information is not accessible.