

MEGACITIES PARTNERSHIP

Human Health Services Data Request

May 2021

Objectives of Data Request

* Request and collect all available data relevant to health impacts of air pollution exposure, including but not limited to hospital admissions data, cause of death records, cost of illness detail, and epidemiological studies conducted in the city, country, or region
* Collect age-, gender-, and geographically-stratified incidence rates for endpoints related to air pollution
* Catalog available data related to health data
	+ Needs Assessment will provide insight on possible analyses based on data availability

Relevant Agencies to Contact:

* Federal Ministry of Health
* Regional, district, or state Ministry of Health
* City or local health agencies

Documents and Reports

* Any reports prepared by the Ministry of Health or City Health linking monitored or modeled air quality data with incidence of morbidity or mortality endpoints
* Most recent health statistics reports providing summary of mortality and/or morbidity rates in urban area

Example Data Catalog:

The table below provides an example health data catalog. The format includes columns for data source, data category, type of data, and specific data needs. It is expected that the health data available to each Megacity Partnership will vary.

**Table 1. Example Health Data Catalog**

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| --- | --- | --- | --- |
| DATA SOURCE | DATA CATEGORY | TYPE OF DATA | SPECIFIC DATA NEEDS |
| **Ministry of Health (or regional or local) Data Repositories** | Health Outcomes Counts | Counts for mortality, clinical visits, emergency department/emergency room visits, and hospital admissions in the urban area  | Mortality * Deaths-Adults
* Death-Infants 0-1 year of age

Morbidity* Acute respiratory infections-upper
* Acute respiratory infections-lower
* Acute bronchitis
* Asthma onset (first diagnosis), children 0-18 years of age
* Non-fatal myocardial infarctions
* Non-fatal stroke

Clinical Visits* ER visits for Asthma exacerbations
* Hospital admissions for all respiratory disease
* Hospital admissions for all cardiovascular disease
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| \*All requests are for the Greater Urban area for Megacity, for most recent available years. |