

Populations Execution Dataset Specification

The "Populations Execution Dataset Specification" is designed to manage and track the execution of population-based healthcare interventions, assessments, and analyses. This dataset enables healthcare organizations to efficiently manage the application of healthcare programs, treatments, or screenings across targeted population groups, ensuring data-driven decision-making and the optimization of resources. Adhering to healthcare-specific standards, the dataset helps maintain compliance with regulations related to patient care, data privacy, and population health management. It includes the following key tables:

- [Populations Execution](#)
- [Populations Execution Processed Populations](#)
- [Populations Execution Raw](#)

- Populations Execution:** Captures detailed information about the execution of healthcare-related activities within defined population groups. This table tracks the population group, the intervention or assessment applied, the timeframe of execution, and any key outcomes. It is essential for managing large-scale health initiatives such as disease screenings, care management programs, or preventive health campaigns.
- Populations Execution Processed Populations:** Stores records of populations that have been processed during a population execution event. This table tracks which populations have completed specific healthcare processes, such as assessments or treatments, providing insights into coverage rates and completion status across the population. This helps in tracking the success of healthcare interventions and in identifying any populations that may require further attention.
- Populations Execution Raw:** Contains unprocessed data related to the execution of population-based activities. This raw data provides a detailed and foundational view of the population execution process, capturing all relevant data points before any aggregation or transformation. It is crucial for in-depth analysis, audits, and research efforts aimed at improving healthcare delivery across population groups.

This dataset is vital for healthcare organizations focused on managing and analyzing large-scale healthcare interventions, improving patient outcomes, and optimizing resource allocation. By facilitating the tracking of population health initiatives, the dataset supports effective population health management, ensuring that healthcare services are delivered efficiently and equitably across targeted groups.

Populations Execution

Column Name	Is Nullable	Data Type	Description
Population_Execution_ID	YES	STRING	Unique identifier or key for the population execution.
Start_Timestamp	YES	TIMESTAMP	Timestamp indicating the start time of the population execution process.
Finish_Timestamp	YES	TIMESTAMP	Timestamp indicating the finish or end time of the population execution process.
Processed_Members_Count	YES	INT64	Count of members processed during the population execution.

Column Name	Is Nullable	Data Type	Description
Matched_Members_Populations_Count	YES	INT64	Count of members matched with populations during the execution.
All_Populations	YES	BOOL	Indicator or information about whether all populations were included in the execution process.

Populations Execution Processed Populations

Column Name	Is Nullable	Data Type	Description
Population_Execution_ID	YES	STRING	Identifier for the population execution to which the processed population belongs.
Processed_Populations_ID	YES	STRING	Unique identifier for the processed population record.
Processed_Populations_Version	YES	STRING	Version or iteration number of the processed population.
Processed_Populations_Matched_Members_Count	YES	INT64	Count of members matched with this processed population.

Populations Execution Raw

Column Name	Is Nullable	Data Type	Description
Population_Execution_ID	YES	STRING	Unique identifier or key for the population execution.
Tenant	YES	STRING	Identifier for the tenant or organization associated with the population execution.
Start_Timestamp	YES	TIMESTAMP	Timestamp indicating when the population execution started.
Finish_Timestamp	YES	TIMESTAMP	Timestamp indicating when the population execution finished.
Processed_Members_Count	YES	INT64	Count of members processed during the execution.
Matched_Members_Populations_Count	YES	INT64	Count of members matched with populations during the execution.
Processed_Populations	NO	ARRAY	Information about the populations processed during the execution.
Processed_Populations.ID	YES	STRING	Unique identifier for the processed population record.
Processed_Populations.Version	YES	STRING	Version or iteration number of the processed population.
Processed_Populations.Matched_Members_Count	YES	INT64	Count of members matched with this processed population.

Column Name	Is Nullable	Data Type	Description
All_Populations	YES	BOOL	Information about all populations related to the execution, including processed and others.