1. **Weather Data API (OpenWeatherMap API)**: This dataset provides real-time and historical weather data for cities worldwide. It includes information such as temperature, humidity, wind speed, and weather conditions.

**Weather Table**:

* id: Primary Key (Integer)
* city\_name: String (references geographic region)
* temperature: Float
* humidity: Integer
* wind\_speed: Float
* weather\_condition: String
* timestamp: Datetime (tracks the time of data collection)

**City Table**:

* id: Primary Key (Integer)
* city\_name: String (references geographic region)
* country: String

The two datasets can be integrated by the city\_name in the Weather Table and the region in the Health Data Table. This allows us to analyze how specific weather conditions (like high humidity or temperature changes) may correlate with health statistics like disease prevalence or vaccination rates.

