# Data Dictionary: Chronic Disease Tracking Data Warehouse

## Dimension Table: dim\_person

|  |  |  |
| --- | --- | --- |
| Field Name | Data Type | Description |
| person\_key | INT | Surrogate key for the person |
| full\_name | VARCHAR(100) | Full name of the person |
| gender | CHAR(1) | Gender of the person (M/F) |
| birth\_year | INT | Estimated year of birth |

## Dimension Table: dim\_disease

|  |  |  |
| --- | --- | --- |
| Field Name | Data Type | Description |
| disease\_key | INT | Surrogate key for the disease |
| disease\_name | VARCHAR(100) | Name of the disease |
| disease\_type | VARCHAR(1000) | Category of the disease |
| intensity\_level | INT | Severity or intensity of the disease |

## Dimension Table: dim\_location

|  |  |  |
| --- | --- | --- |
| Field Name | Data Type | Description |
| location\_key | INT | Surrogate key for the location |
| city\_name | VARCHAR(100) | City of residence |
| state\_province\_name | VARCHAR(100) | State or province |
| country\_name | VARCHAR(100) | Country |
| developing\_flag | CHAR(1) | Y/N flag indicating developing region |

## Dimension Table: dim\_medicine

|  |  |  |
| --- | --- | --- |
| Field Name | Data Type | Description |
| medicine\_key | INT | Surrogate key for the medicine |
| medicine\_name | VARCHAR(250) | Commercial name of the medicine |
| active\_ingredient\_name | VARCHAR(150) | Active pharmaceutical ingredient |

## Dimension Table: dim\_race

|  |  |  |
| --- | --- | --- |
| Field Name | Data Type | Description |
| race\_key | INT | Surrogate key for the race category |
| race\_description | VARCHAR(100) | Descriptive label for the race |

## Dimension Table: dim\_date

|  |  |  |
| --- | --- | --- |
| Field Name | Data Type | Description |
| date\_key | INT | Surrogate key for the date |
| full\_date | DATE | Actual calendar date |
| year | INT | Year component of the date |
| month | INT | Month component of the date |
| day | INT | Day of the month |
| quarter | INT | Quarter of the year |

## Fact Table: fact\_disease\_diagnosis

|  |  |  |
| --- | --- | --- |
| Field Name | Data Type | Description |
| fact\_id | INT | Primary key for the fact record |
| person\_key | INT | FK to dim\_person |
| disease\_key | INT | FK to dim\_disease |
| medicine\_key | INT | FK to dim\_medicine |
| race\_key | INT | FK to dim\_race |
| location\_key | INT | FK to dim\_location |
| diagnosis\_date\_key | INT | FK to dim\_date |
| severity\_value | INT | Severity score of the disease diagnosis |
| effectiveness\_percent | DOUBLE PRECISION | Effectiveness of treatment as a percentage |