Final Disease Model

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SDM

Data Dictionary

* Database:
  1. Disease\_type
     + The type of disease we are tracking; each disease is part of a specific type
       1. Disease\_type\_code
          - Unique code for each disease\_type
       2. Disease\_type\_description
          - Description of a disease\_type
       3. Other\_note
          - Other notes associated with disease\_type
  2. Disease
     + The diseases we are tracking
       1. Disease\_id
          - Unique identifier
       2. Disease\_name
          - Common name of disease (non-scientific)
       3. Intensity\_lvl\_qty
          - Intensity level quantity (1-10); how intense is the disease from a holistic perspective
       4. Disease\_type\_code
          - The disease\_type
       5. Source\_disease\_code
          - Each disease may or may not have a disease that it is associated with as an empirical source for the disease; this may be disputed with further analytical insight but we record it as we are told by medical experts (solely database use)
  3. Disease\_patient
     + A person that has come into a relationship with a disease by infection
       1. Person\_id
          - Id of person related to ..
       2. Disease\_id
          - The completed relationship for disease\_patient (person + disease = disease\_patient)
       3. Severity\_value
          - Between 1 and 10 – the severity of that patients condition and reaction, subjective
       4. Start\_date
          - Date we confirmed the person disease relationship
       5. Recovery\_ind
          - Did the patient recovery from the ailment (see datawarehouse for is\_pending)
  4. Indication
     + An instance worth noting of a disease in contact with a potential antidote – medicine
       1. Medicine\_id
          - Unique identifier of medicine used and detailed in indication
       2. Disease\_id
          - Unique identifier of disease detailed in indication “test”
       3. Indication\_date
          - Date of relationship between disease and medicine
       4. Effectiveness\_percent
          - Effectiveness of medication against disease
  5. Race\_disease\_propensity
     + The propensity for a specific race to be infected by a specific disease
       1. Race\_code
          - Unique identifier of race
       2. Disease\_id
          - Unique disease used for propensity indication based on race\_code
       3. Peopensity\_value
          - How susceptible a unique race is to a unique disease
  6. Person
     + A person and attributes of them
       1. Person\_id
          - Unique identifier
       2. Last\_name
          - Surname
       3. First\_name
          - Official first name
       4. Gender
          - M, F
       5. Primary\_location\_id
          - Indication of there primary whereabouts (living)
       6. Race\_code
          - Identifier of person’s race
  7. Medicine
     + Details of E(x) medication used in indication
       1. Medicine\_id
          - Unique identifier
       2. Standard\_industry\_num
          - Government issued regulations – must have SIN
       3. Name
          - Name of medication
       4. Company
          - Primary company in development of medicine
       5. Active\_ingredient\_ name
          - Name of active ingredient in medication
  8. Race
     + Linked with DNA/biological; not ethnicity, i.e. subjective cultural association
       1. Race\_code
          - Unique identifier for race
       2. Race\_description
          - Description of associated race
  9. Location
     + Primary location of persons
       1. Location\_id
          - Unique identifier
       2. City\_name
       3. State\_province\_name
       4. Country\_name
       5. Country\_key
          - Natural key for country (used in datawarehouse)
       6. Wealth\_rank\_number
          - Between 1 and 10, how wealthy the area
* Datawarehouse
  1. Location\_city
     + Primary city location of patient when disease relationship is known
       1. City\_id
          - Unique identifier of city
       2. City\_name
       3. Begin\_eff\_date
          - Type 2 city name change
       4. Change\_reason\_text
          - Type 2 city name change
       5. Current\_flag
          - Which city name is actively up to date
  2. Disease
     + Disease associated with disease\_patient relationship
       1. Disease\_id
          - Unique idenfieier
       2. Disease\_name
       3. Intensity\_lvl\_qty
          - Intensity level quantity (1-10); how intense is the disease from a holistic perspective
       4. Begin\_eff\_date
          - Type 2 name changes
       5. End\_eff\_date
          - Type 2 name changes
       6. Change\_reason\_text
          - Type 2 name changes reason
       7. Current\_flag
          - Which of the diseases\_name is up to date
  3. Disease\_type
     + Type of disease in disease\_patient relationship
       1. Disease\_type\_id
       2. Disease\_type\_code
       3. Disease\_description
  4. Location\_country
     + Primary country location of patient when disease relationship is known
       1. Country\_id
       2. Country\_nk
       3. Country\_name
       4. Begin\_eff\_date
          - Type 2 name changes
       5. End\_eff\_date
          - Type 2 name changes
       6. Change\_reason\_text
          - Type 2 names changes reason
       7. Current\_flag
          - Which country\_name is up to date
  5. Disease\_patient\_fact
     + Details of disease\_patient relationship
       1. Disease\_patient\_id
       2. Person\_id
       3. Disease\_id
       4. Country\_id
       5. City\_id
       6. Date\_id
  6. Date
     + Dates of confirmation of disease\_patient relationship
       1. Date\_id
       2. Date\_of\_confirmation
          - Of disease patient relationship
  7. Gender
     + Details of gender of person in disease\_patient relationship
       1. Gender\_id
       2. Gender\_code
       3. Gender\_description
  8. Person
     + Person in disease\_patient relationship
       1. Person\_id
       2. Last\_name
       3. First\_name
       4. Gender\_code
       5. Race\_code
       6. Recovery\_ind
          - Boolean, did they recover
       7. Is\_pending
          - Booklean, If recovery\_id is false does that meant the patient passed or is still flighting the disease; is\_pending makes that clear

Note: trigger and recovery\_ind is false and is\_pending is false = death

* 1. Race
     + Race details of person in disease\_patinet relationship
       1. Race\_id
       2. Race\_code
       3. Race\_description
       4. Avg\_propensity\_rate
          - Of each race, what is their average propensity of diseases in general; any correlation between disease and specific race (query)? any correlation between disease and specific area(BI)?

End;

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