Star Schema Design: Logical Diagram
CMPINF 2211: Foundations of Cloud Computing
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May 28, 2025

fact_visit_details

- patient_id int (PK, FK1)
- provider_id int (PK, FK2)
- date_id int (PK, FK3)
- visit_count int
- symptom_count int
- lab_count int
- procedure_count int

dim_time

- date_id (PK)
- date date
- day varchar
- month varchar
- year int
- hour int
- quarter int

fact_symptom_details

- patient_id int (PK, FK1)
- provider_id int (PK, FK2)
- date_id int (PK, FK3)
- visit_number int (PK)
- symptom_id int (FK4)
- symptom_frequency decimal

dim_symptom

- symptom_id (PK)
- note varchar

dim_patient

- patient_id (PK)
- first_name varchar
- last_name varchar
- gender varchar
- dob date

fact_lab_details

- patient_id int (PK, FK1)
- provider_id int (PK, FK2)
- date_id int (PK, FK3)
- visit_number int (PK)
- lab_id int (FK4)
- lab_frequency decimal

dim_lab

- lab_id (PK)
- lab_name varchar
- cpt_code varchar

dim_provider

- provider_id (PK)
- first_name varchar
- last_name varchar

fact_procedure_details

- patient_id int (PK, FK1)
- provider_id int (PK, FK2)
- date_id int (PK, FK3)
- visit_number int (PK)
- procedure_id int (FK4)
- procedure_frequency decimal

dim_procedure

- procedure_id (PK)
- proc_name varchar
- description varchar
- icd10_code varchar

fact_diagnosis_details

- patient_id int (PK, FK1)
- provider_id int (PK, FK2)
- date_id int (PK, FK3)
- visit_number int (PK)
- diagnosis_id int (FK4)
- diagnosis_frequency decimal

dim_diagnosis

- diagnosis_id (PK)
- diag_name varchar
- icd10_code varchar