Phase 2/3

Un-updated ER Diagram
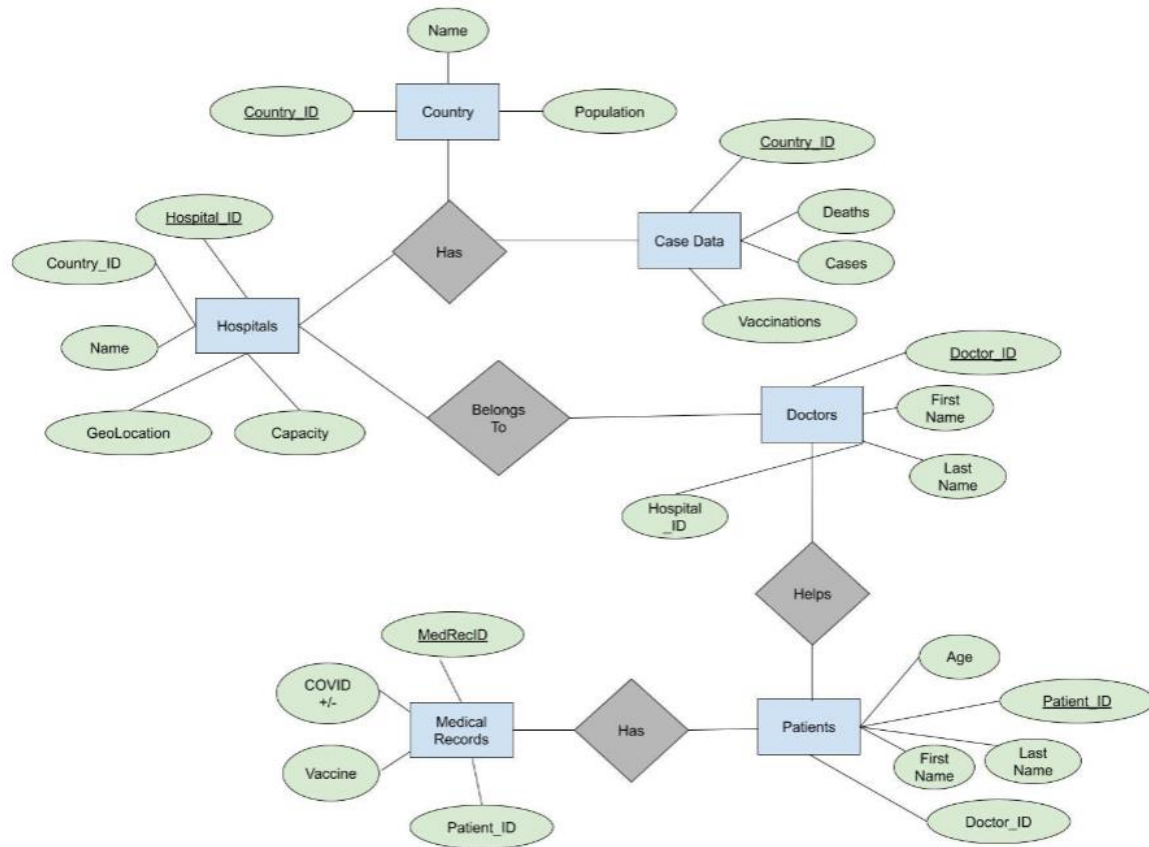
Phase 3

Updated ER Diagram

LOGICAL ER DIAGRAM

Hospitals
Hospital_ID {PK}
Country_ID {FK}

Country
Country_ID {PK}

Case Data
Country_ID {PK, FK}
Year {PK}

1..1   Has

1..1   Has   1..*

1..*

1..1

Doctors
Doctor_ID {PK}
Hospital_ID {FK}

Patients
Patient_ID {PK}
Doctor_ID {FK}

Works for   1..*

1..1   Belongs to   1..*

1..1

Belongs to

1..1

Medical Record
MedRecID {PK}
Patient_ID {FK}
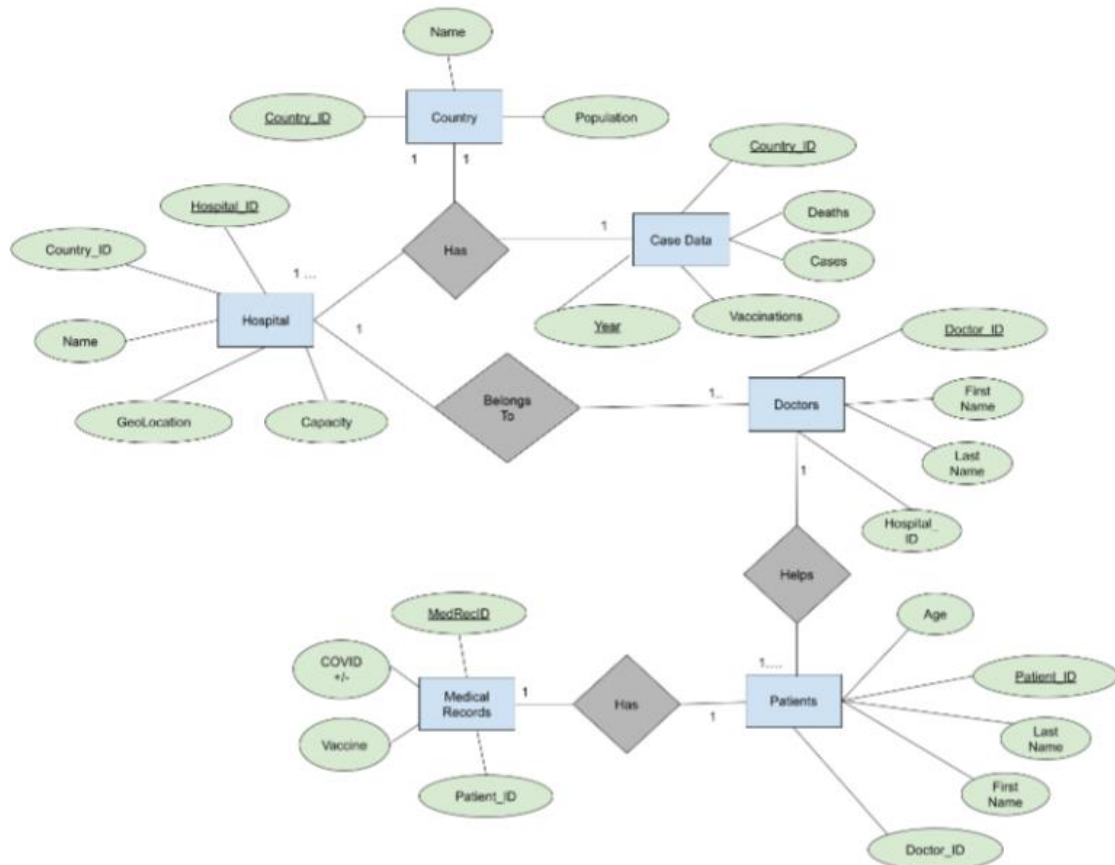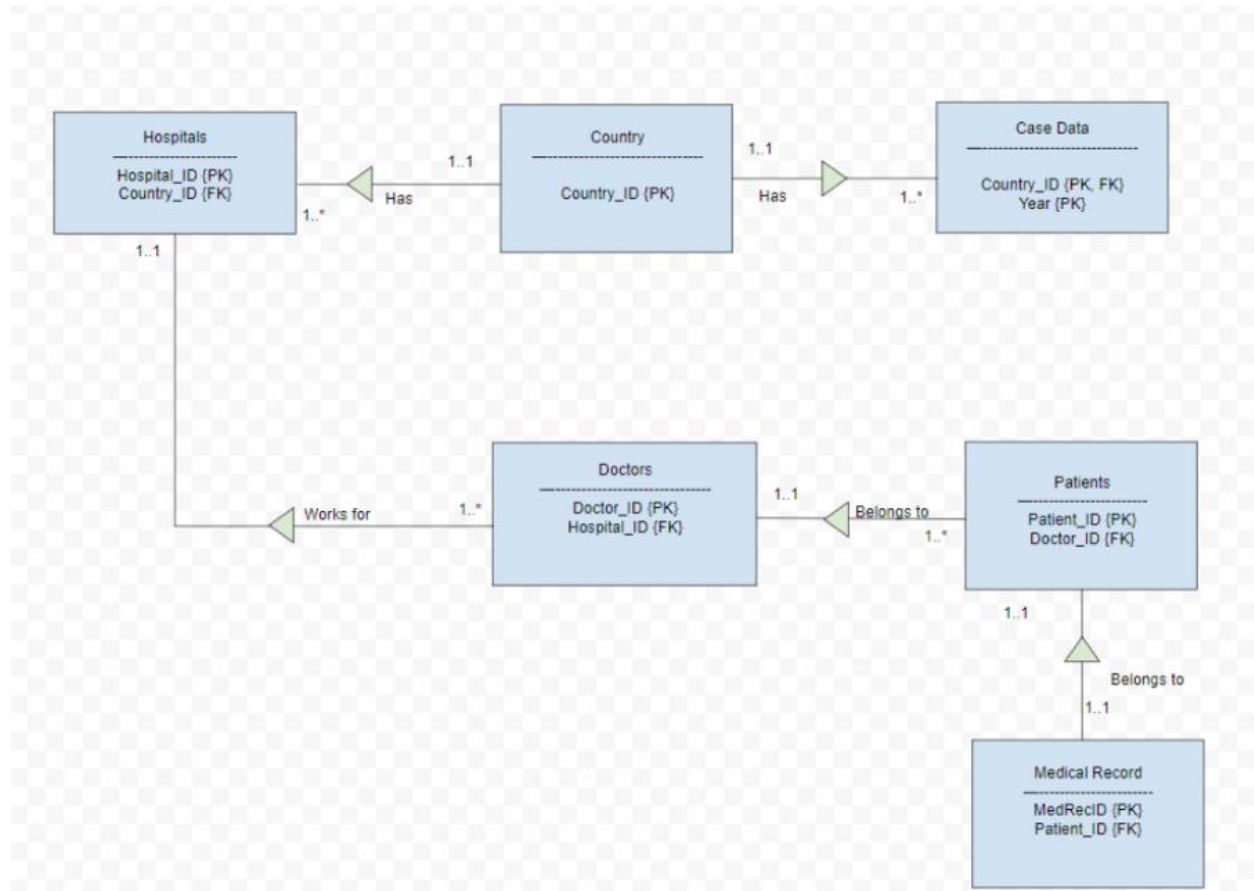
Relational Schema Design

Country

CountryID	Country_Name	Population

Hospital

HospitalID	HospitalName	CountryID	Geographic Location	Capacity

Case Data

CountryID	Year	Deaths	Cases	Vaccinations	Hospitalizations

Doctor

DoctorID	DoctorFirstName	DoctorLastName	HospitalID

Patient

PatientID	DoctorID	PatientFirstName	PatientLastName	Age	HospitalID

Medical Record

MedRecId	PatientID	Vaccine	COVID +/-