**ERD (Entity-Relationship Diagram):** Entities:

1. **HealthcareFacility**
   * FacilityID (Primary Key)
   * Name
   * Type (e.g., hospital, clinic)
   * Location (latitude, longitude)
   * Capacity
2. **Patient**
   * PatientID (Primary Key)
   * Name
   * Age
   * Address
   * Rural (Boolean)
3. **Appointment**
   * AppointmentID (Primary Key)
   * PatientID (Foreign Key)
   * FacilityID (Foreign Key)
   * Date
   * Reason
4. **Staff**
   * StaffID (Primary Key)
   * Name
   * Position
   * FacilityID (Foreign Key)