# Data requirements of the hospital Database

1-The hospital is organized into DEPARTMENTs:

1. Each department has a unique number, unique name, and an doctor who manages the department.
2. We keep track of the start date of the department manager.

2-The database will store each EMPLOYEE’s social security number (unique), address (Country, State,

City, and ZipCode), name (First name, Middle name, and Last name), salary, gender, birthdate, and

age.

1. The employee can be an administrator, doctor, nurse or worker
2. Each employee may have a one or more addresses.

3- Patient: Stores information about patients,(unique) patient ID, name (Fname,Lname) , and address, gender, age.

1. The patient can be a person who is not insured with health insurance, or be insured, or be a dependent on from an insured person.
2. Each patient can be treated by multiple doctors and Each doctor can treat multiple patients.

4- Doctor: Contains details about doctors, such as (unique) doctor ID , specialization.

1. Each doctor belongs to only one department but Each department can have multiple doctors.

5- Insurance: Contains details about patient insurance, including (unique) insurance ID, insurance company, and coverage details.

1. a. Each patient may have a number of dependents. For each dependent, DB keeps a record

First name, gender, date of birth, relationship to the patient, and degree of insurance for each dependent.

1. Each insurance policy can cover multiple patients but Each patient can be covered by multiple insurance policies.

6-Appointment: Represents individual appointments made by patients, appointment

ID, appointment date, and duration.

1. Each doctor can schedule multiple appointments andEach appointment is scheduled by only one doctor.

7- Clinic: Stores information about clinics or medical facilities, including (unique) clinic ID, name, and address.

1. Each doctor can work at multiple clinics and Each clinic can have multiple doctors working there.
2. Each patient can visit multiple clinics but Each clinic can be visited by multiple patients.

8- Medical Record: Contains details about the medical records of patients, including

(unique) record ID, patient ID, and medical history.

1. Each patient can have multiple medical records but Each medical record belongs to only one patient.

9- Prescription: Represents prescriptions issued to patients, with (unique) prescription ID, patient

ID, and medication details.

1. Each doctor can prescribe multiple medications but Each prescription is issued by only one doctor.

10- Test: Stores information about medical tests, including (unique) test ID, test type, and test results.

1. Each test can be performed by multiple doctors or technicians but Each doctor or technician can perform multiple tests.