

## **Schema Dictionary**

**Name:** Appointment

**Description:** A scheduled time for a patient to have when attending a clinic

- **Date:** date, A year, month, day, and time, Primary Key
- **Foreign Key:** CompanyID, varchar(16), Primary Key
- **Foreign Key:** PatientID, varchar(16), Primary Key
- **Attended:** Boolean, a value to see if the person is going to the appointment
- **Reason:** Varchar(100), brief description for the appointment

**Name:** Business

**Description:** An organization that will interact with the medication.

- **CompanyID:** Varchar(16), a unique identification number, Primary Key
- **Name:** varchar(50), a name of the company
- **Phone Number:** Varchar(10), a 10-digit long number
- **Street:** varchar(50), the specific place of where the business is
- **Zipcode:** varchar(5), the area code of the business
- **City:** varchar(50), the town that the business resides in
- **State:** varchar(50), where the business is situated

**Name:** Clinic

**Description:** A medical facility that holds appointments with patients

- **Foreign Key:** ClinicID, varchar(16), Primary Key

**Name:** Company Drug

**Description:** A drug that is a variation of a generic drug

- **DrugID:** varchar(16), a unique identification number, Primary Key
- **Foreign Key:** CompanyID, varchar(16), Primary Key
- **Name:** varchar(40), a name to identify the drug
- **Foreign Key:** GenericDrugID, varchar(16)

**Name:** Doctor

**Description:** A medical professional that has acquired a MD Degree

- **Foreign Key:** EmployeeID, varchar(16), Primary Key
- **MD Degree:** varchar(40), specifies the type of degree obtained

**Name:** Generic Drug

**Description:** The base form of a drug

- **DrugID:** varchar(16), a unique identification number, Primary Key

**Name:** Generic Drug Interactions

**Description:** How the drug interacts with patients

- **Foreign Key:** DrugID\_1, varchar(16), Primary Key
- **Foreign Key:** DrugID\_2, varchar(16), Primary Key
- **Severity:** int, the level of danger for a drug, mild, moderate, severe, lethal
- **Cause:** varchar(100), the condition for the drug

**Name:** Generic Drug Side Effects

**Description:** The potential side effects that can occur with the generic drug

- **SideEffect:** varchar(100), a brief description of the possible side effects, Primary Key
- **Foreign Key:** DrugID, varchar(16), Primary Key

**Name:** Hospital

**Description:** A Medical Facility that provides Surgery

- **Foreign Key:** HospitalID, varchar(16), Primary Key

**Name:** Medical Facility

**Description:** A business that provides carrying options of medical assistance

- **Foreign Key:** FacilityID, varchar(16), PrimaryKey

**Name:** Medical Professional

**Description:** An individual that provides healthcare services

- **EmployeeID:** varchar(16), a unique identification number, Primary Key

**Name:** Medical Research Facility

**Description:** A facility in which scientific test are run to understand new Medicines and Diseases

- **Foreign Key:** ResearchFacilityID, varchar(16), Primary Key
- **Funding:** int, the amount of money received for research
- **Research Specialty:** varchar(50), the research type

**Name:** Nurse Practitioner

**Description:** A Nurse who can treat patients without direct supervision of a doctor

- **Foreign Key:** EmployeeID, varchar(16), Primary Key
- **Certification:** varchar(40), specifies the type of certification

**Name:** Patient

**Description:** An individual seeking medical assistance

- **ID:** varchar(16), a unique identification number, Primary Key
- **Phone Number:** varchar(10), a 10-digit long number
- **Name:** varchar(20), the name of the individual
- **Sex:** varchar(1), The biological sex of the individual
- **Birthday:** date, The date, month, and year they were born
- **Age:** int, the age of the individual

**Name:** Pharmaceutical Company

**Description:** A company that creates drugs

- **Foreign Key:** CompanyID, varchar(16), Primary Key
- **Country:** varchar(2), a 2-letter abbreviation of the country of operation

**Name:** Pharmacy

**Description:** A location that people can purchase the drugs from

- **Foreign Key:** PharmacyID, varchar(16), Primary Key
- **Pharmacy License:** varchar(16), a unique license number
- **OpeningHour:** varchar(30), the hour that the pharmacy is open
- **ClosingHour:** varchar(30), the hour that the pharmacy is closed

**Name:** Physician's Assistant

**Description:** A person who assists a physician with their clinical procedures.

- **Foreign Key:** EmployeeID, varchar(16), Primary Key
- **MS Degree:** Varchar(40), specifies the type of degree obtained.
- **Certification:** Varchar(40), specifies the type of certification

**Name:** Prescription

**Description:** A document that has a duration for a company drug to a patient

- **PrescriptionID:** Varchar(16), a unique identification number, Primary Key
- **Foreign Key:** PatientID, varchar(16), Primary Key
- **Foreign Key:** EmployeeID, varchar(16), Primary Key
- **Foreign Key:** CompanyID, varchar(16), Primary Key
- **Foreign Key:** DrugID, varchar(16), Primary Key
- **Foreign Key:** PharmacyID, varchar(16), Primary Key
- **Duration:** int, establishes a period of time for the use of the drug

**Name:** Receives

**Description:** A patient can receive many surgeries. There are many surgeries that can be received by a single patient.

- **Date:** date, the day, month, year, and time, Primary Key
- **Foreign Key:** DrugID, varchar(16), Primary Key
- **Foreign Key:** CompanyID, varchar(16), Primary Key
- **Foreign Key:** PharmacyID, varchar(16), Primary Key

**Name:** Researcher

**Description:** An individual tasked with the further understanding a specific area

- **Foreign Key:** EmployeeID, varchar(16), Primary Key
- **Research Aea:** Varchar(20), the research topic

**Name:** Surgery

**Description:** A intensive medical procedure that a patient will receive that

- **Date:** date, the day, month, year, and time of the Surgery, Primary Key
- **Foreign Key:** PatientID, varchar(16), Primary Key
- **Foreign Key:** HospitalID, varchar(16), Primary Key
- **Cost:** int, the dollar amount of the surgery
- **Name:** Varchar(20), the name of the surgery

**Name:** Treats

**Description:** There are many medical professionals that treat many different patients. Many patients can be treated by many medical professionals.

- **Foreign Key:** PatientID, varchar(16), Primary Key
- **Foreign Key:** EmployeeID, varchar(16), Primary Key

**Name:** Urgent Care

**Description:** A medical facility that provides walk-in availability for medical examination.

- **Foreign Key:** UrgentCareID, varchar(16), Primary Key

**Name:** Walk-in

**Description:** A doctor appointment that does not require pre-existing scheduling

- **Date:** date, the day, month, year, and time of the walk in, Primary Key
- **Foreign Key:** UrgentCareID, varchar(16), Primary Key
- **Foreign Key:** PatientID, varchar(16), Primary Key
- **Reason:** Varchar(100), brief description for the appointment

**Name:** Works At

**Description:** There can be many medical professionals that work at different medical facilities. There are many medical facilities where many medical professionals work.

- **Foreign Key:** EmployeeID, varchar(16), Primary Key
- **Foreign Key:** FacilityID, varchar(16), PrimaryKey