

<u>Department</u>	
<u>Dept_ID</u>	
Dept_Name	(U)

Doctor	
<u>Doctor_ID</u>	
First_Name	
Last_Name	
Specialty	
Dept_ID	(FK)

Patient
Patient_ID
First_Name
Last_Name
DateOfBirth
Sex (Check)
Phone
Email
InsurancePlan_ID
(FK)

<u>InsurancePlan</u>	
<u>InsurancePlan_ID</u>	
Plan_Name	
Provider	
Policy_Number	(U)

Appointment	
Appt_ID	
Start_Time	
Status (Check)	
Duration_Min	
Patient_ID	(FK)
Doctor_ID	(FK)
Dept_ID	(FK)

Diagnosis

<u>Diagnosis Code</u>	Description
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Billing_ID	
Total_Charge	
Amount_Paid	
Payer	
Bill_Date	
New Column	
Appt_ID	(FK)(U)

Appointment_Diagnosi	
S	
<u>Appt_ID</u>	(FK)
<u>Diagnosis_Code</u>	(FK)

Department (Dept_ID PK, Dept_Name UNIQUE),
Doctor (Doctor_ID PK, First_Name, Last_Name, Specialty, Dept_ID FK → Department(Dept_ID)),
Patient (Patient_ID PK, First_Name, Last_Name, DateOfBirth, Sex, Phone, Email, InsurancePlan_ID FK → InsurancePlan(InsurancePlan_ID)),
InsurancePlan (InsurancePlan_ID PK, Plan_Name, Provider, Policy_Number UNIQUE),
Appointment (Appt_ID PK, Start_Time, Status, Duration_Min, Patient_ID FK → Patient(Patient_ID), Doctor_ID FK → Doctor(Doctor_ID), Dept_ID FK → Department(Dept_ID)),
Diagnosis (Diagnosis_Code PK, Description),
Appointment_Diagnosis (Appt_ID_FK → Appointment(Appt_ID), Diagnosis_Code_FK → Diagnosis(Diagnosis_Code),
PRIMARY KEY (Appt_ID, Diagnosis_Code)),
Billing (Billing_ID PK, Total_Charge, Amount_Paid, Payer, Bill_Date, Appt_ID UNIQUE FK → Appointment(Appt_ID))