

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

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

| Patient |
|-----------------------|
| <u>Patient_ID</u> |
| First_Name |
| Last_Name |
| Date_Of_Birth |
| Sex (Check) |
| Phone |
| Email |
| InsurancePlan_ID (FK) |

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

| Appointment |
|-----------------|
| <u>Appt_ID</u> |
| Start_Time |
| Status (Check) |
| Duration_Min |
| Patient_ID (FK) |
| Doctor_ID (FK) |
| Dept_ID (FK) |

| Diagnosis |
|-----------------------|
| <u>Diagnosis_Code</u> |
| Description |

| Billing |
|-------------------|
| <u>Billing_ID</u> |
| 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, Date_Of_Birth, 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))

```