Step 1: Regular Entities

Guardian	
PK	Guard ID
	Name
	Address
	Phone
	Email

Patient	
PK	PID
	First
	Last
	Address
	Phone
	Ins_Num
	DOB

Department	
PK	Dep_ID
	Name

Employee	
PK	Emp_ID
	Name
	Info
	Pay_Type
	Info

Insurance Providers	
PK	Insurer_ID
	Name

Intake Clerk	
PK	SSN

Service Provider	
SSN	
_	

Nurse	
PK	SSN

Step 2: Weak Entities

Guardian	
PK	Guard ID
	Name
	Address
	Phone
	Email
	l

Patient	
PK	PID
	First
	Last
	Address
	Phone
	Ins_Num
	DOB

Department	
PK	Dep_ID
	Name

Employee	
PK	Emp_ID
	Name
	Info
	Pay_Type

Insurance Providers	
PK	Insurer_ID
	Name

	Vital Records	
FK	NSSN	
FK	PID	
	Medications	
	Height	
	Temp	
	Weight	
	Symptoms	
	Blood_Press	

Diagnosis	
PK	ICD-10-CM
FK	Patient_ID
FK	ServPro_SSN
	Name

Emergency Contact	
PK	Emer_ID
	Name
	Address
	Phone
	Email
i i	

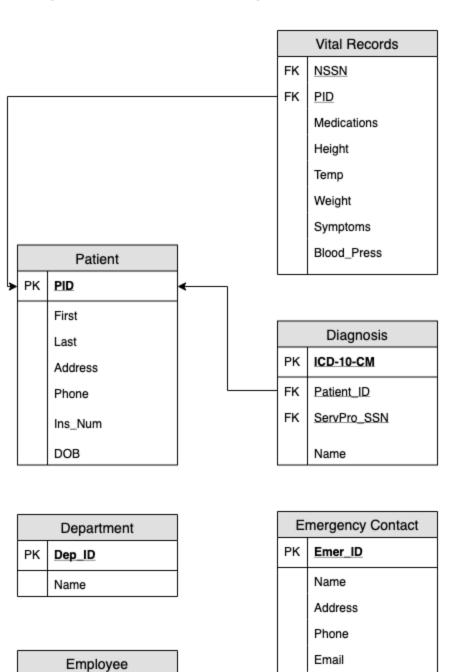
Notes	
FK	ServPro_SSN
FK	Nurse_SSN

Intake Clerk	
PK	SSN

Service Provider	
PK	SSN

Nurse	
PK	SSN

Step 3: 1:1 Relationships



Intake Clerk	
SSN	
•	

Service Provider	
PK	SSN
	33.1

Nurse	
PK	SSN

	Notes
FK	ServPro_SSN
FK	Nurse_SSN

Guardian		
PK	Guard ID	
	Name	
	Address	
	Phone	
	Email	

Insurance Providers		
PK	Insurer_ID	
	Name	

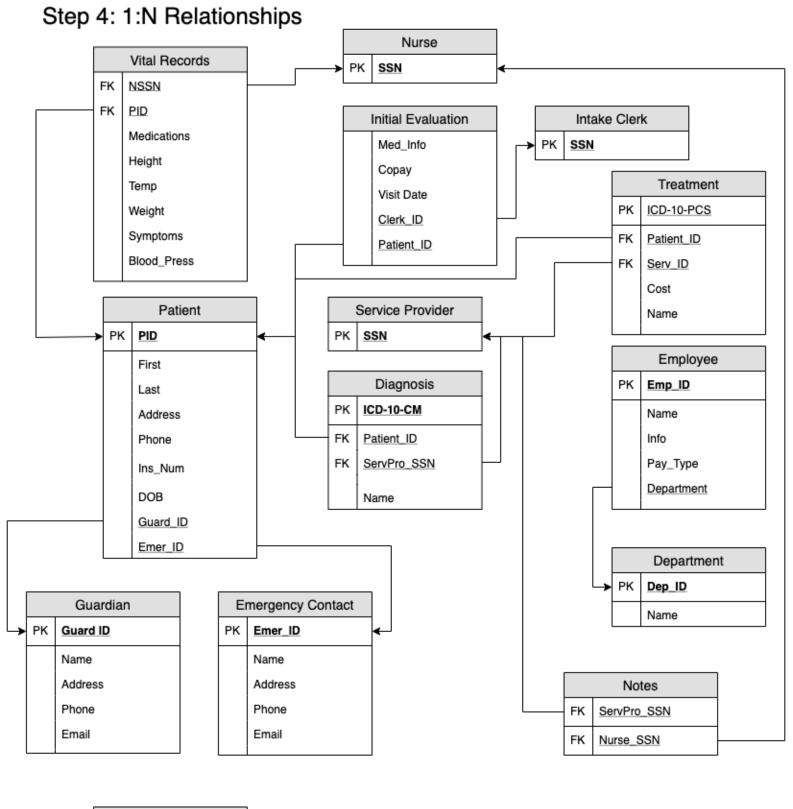
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Emp_ID

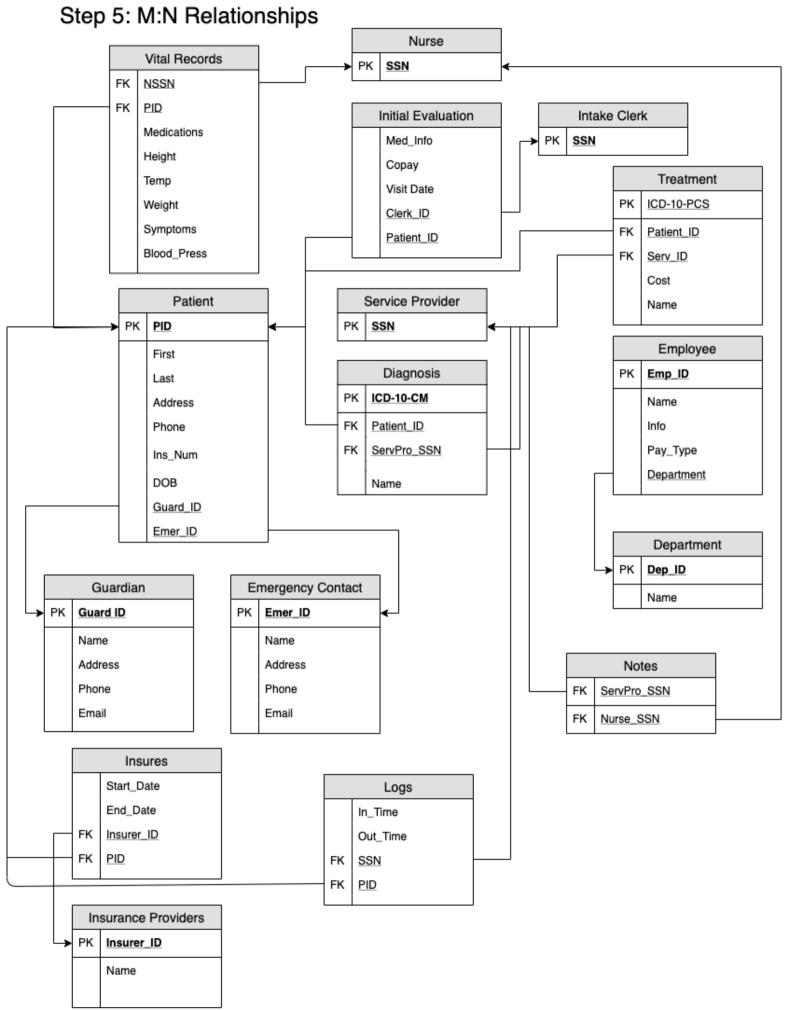
Pay_Type

Name

Info



Insurance Providers		
PK	Insurer_ID	
	Name	



Step 6: Multivalued Attributes Nurse Vital Records PΚ SSN FΚ NSSN FΚ PID Intake Clerk Initial Evaluation Medications Med Info ➤ PK SSN Height Copay Treatment Temp Visit Date PΚ ICD-10-PCS Weight Clerk_ID Symptoms FΚ Patient_ID Patient_ID Blood Press FΚ Serv_ID Cost Patient Service Provider Name PΚ PID PΚ SSN Phone_Nums Employee First Patient_ID Diagnosis PΚ Emp_ID Last Phone_Num PΚ ICD-10-CM Address Name Phone FΚ Patient_ID Info FΚ ServPro_SSN Pay_Type Ins_Num Department DOB Name Guard_ID Emer_ID Department PΚ Dep_ID Guardian **Emergency Contact** Name Guard ID PK Emer_ID Name Name Address Address Notes Phone Phone ServPro_SSN Email Email FΚ Nurse_SSN Insures Start_Date Logs End_Date In_Time Insurer_ID Out_Time FΚ PID FΚ SSN FΚ PID Insurance Providers Insurer_ID Name

* There are no N-Ary relationships in our schema, Step 7: N-ary so we don't have to do anything in this step Nurse Vital Records PΚ SSN NSSN FΚ PID Initial Evaluation Intake Clerk Medications ▶ PK Med_Info SSN Height Copay Treatment Temp Visit Date PΚ ICD-10-PCS Weight Clerk_ID Symptoms Patient_ID Patient_ID Blood_Press FΚ Serv_ID Cost Patient Service Provider Name PΚ PID PΚ SSN Phone_Nums Employee First Patient_ID Diagnosis PΚ Emp_ID Last Phone_Num ICD-10-CM Name Address FΚ Patient_ID Phone Info ServPro_SSN Pay_Type Ins_Num Department DOB Name Guard_ID Emer_ID Department PΚ Dep_ID Guardian **Emergency Contact** Name PΚ **Guard ID** Emer_ID Name Name Address Address Notes Phone Phone FΚ ServPro_SSN Email Email FΚ Nurse_SSN Insures Start_Date Logs End_Date In_Time FΚ Insurer_ID Out_Time FΚ PID SSN FΚ FΚ PID Insurance Providers Insurer_ID Name

