

Relation	Minimal Functional Dependency Set
Doctor	<p>Doc_Ssn <math>\longrightarrow</math> Doc_Name, Birthdate, Contact_No, Address, Office_Addr, Gender, Pervisit_Fee</p> <hr/> <p>Primary key = {Doc_Ssn} Relation is in BCNF.</p>
Patient	<p>P_Ssn <math>\longrightarrow</math> P_Name, Gender, B_Date, Contact_No, Pin_Code</p> <hr/> <p>Primary key = {P_Ssn} Relation is in BCNF.</p>
City	<p>Pin_Code <math>\longrightarrow</math> City_Name</p> <hr/> <p>Primary key = {Pin_Code} Relation is in BCNF.</p>
Visit	<p>Visit_id <math>\longrightarrow</math> Date, Doc_Ssn, Complaints, P_Ssn</p> <hr/> <p>Primary key = {Visit_id} Relation is in BCNF.</p>
Insurance_Company	<p>Ins_id <math>\longrightarrow</math> Name, Contact, Pin_Code</p> <hr/> <p>Primary key = {Ins_Id} Relation is in BCNF.</p>
Bill	<p>Bill_No <math>\longrightarrow</math> Amount, Bill_Date, Due_Date, Ins_Id, Visit_Id</p> <hr/> <p>Primary key = {Bill_No} Relation is in BCNF.</p>
Payment	<p>Transaction_id <math>\longrightarrow</math> Bill_No, Payment_Method, P_Date</p> <hr/> <p>Primary key = {Transaction_id} Relation is in BCNF.</p>
Diagnosis	<p>Diagnosis_id <math>\longrightarrow</math> Dia_Name</p> <hr/> <p>Primary key = {Diagnosis_id} Relation is in BCNF.</p>
Prescription	<p>Pres_id <math>\longrightarrow</math> Visit_id</p> <p>Visit_id <math>\longrightarrow</math> Pres_id, Medicine_Quantity, Disease_Description, Duration</p> <hr/> <p>Primary key = {Pres_id or Visit_id} Relation is in BCNF.</p>

Record	<p><math>\text{Record\_id} \rightarrow \text{P\_Ssn}</math></p> <hr/> <p>Primary key = {Record_id} Relation is in BCNF.</p>
Medicines	<p><math>\text{MInventory\_id} \rightarrow \text{M\_Name, Price, Quantity, Exp\_Date}</math></p> <hr/> <p>Primary key = {MInventory_id} Relation is in BCNF.</p>
Manufacturer	<p><math>\text{Manufacturer\_id} \rightarrow \text{Manufacturer\_Name}</math></p> <hr/> <p>Primary key = {Manufacturer_id} Relation is in BCNF.</p>
Manufactured_By	No FDs. Relation is in BCNF.
Yields	No FDs. Relation is in BCNF.
Details	<p><math>\text{Record\_id, Record\_Type\_Name, Parameter\_Name} \rightarrow \text{Parameter\_Count}</math></p> <hr/> <p>Primary key = {Record_id, Record_Type_Name, Parameter_Name}</p> <p>Relation is in BCNF.</p>
Pres_Med	<p><math>\text{Pres\_id, MInventory\_id} \rightarrow \text{Pres\_Qty}</math></p> <hr/> <p>Primary key = {Pres_id, MInventory_id} Relation is in BCNF.</p>