

PatNo → PatAge
PatZip9 → PatCity
VisitNo → VisitDate
PatNo → PatZip9
ProvNo → ProvSpecialty
VisitNo → PatNo
VisitNo, ProvNo → Diagnosis
ProvNo → ProvEmail
ProvEmail → ProvNo

Functional Dependencies (FD):

- $\text{PatNo} \rightarrow \text{PatAge}, \text{PatZip9}$
- $\text{PatZip9} \rightarrow \text{PatCity}$
- $\text{VisitNo} \rightarrow \text{VisitDate}, \text{PatNo}$
- $\text{ProvNo} \rightarrow \text{ProvSpecialty}, \text{ProvEmail}$
- $\text{VisitNo}, \text{ProvNo} \rightarrow \text{Diagnosis}$

BCNF tables :

- **Table1**(PatNo, PatAge, PatZip9, Foreign key (PatZip9) references Table1.1(PatZip))
- **Table1.1**(PatZip, PatCity)
- **Table2**(VisitNo, VisitDate, PatNo, Foreign key (PatNo) references Table1(PatNo))
- **Table3**(ProvNo, ProvSpecialty, ProvEmail, Unique(ProvEmail)) # Comment: ProvEmail → ProvNo
- **Table4**(VisitNo, ProvNo, Diagnosis, Foreign key VisitNo references Table2(VisitNo), Foreign key ProvNo, references Table3(ProvNo))