**Module 11 Assignment Solution For Problem 2**

Table

Description automatically generated with low confidence

**Functional Dependencies**

PatNo → PatAge, PatZip

PatZip9 → PatCity

ProvNo → ProvEmail, ProvSpeciality

VisitNo → VisitDate, PatNo

VisitNo, ProvNo → Diagnosis

**Defining My Boyce Codd Normal Form (BCNF) Tables**

**Table 1 (VisitNo**, *PatNo*, VisitDate

FOREIGN KEY (*PatNo*) REFERENCES **Table 2** (*PatNo*)

**Table 2(PatNo**, *PatZip*, PatAge

FOREIGN KEY (*PatZip*) REFERENCES **Table 3** (*PatZip*)

**Table 3(PatZip**, PatCity)

**Table 4(ProvNo**, ProvSpeciality, ProvEmail)

Constraint ProviderEmail Unique (ProvEmail)

**Table 5(ProvNo**, **VisitNo**, Diagnosis

FOREIGN KEY (**ProvNo**) REFERENCES **Table 4** (**ProvNo**)

FOREIGN KEY (**VisitNo**) REFERENCES **Table 1** (**VisitNo**)