

**relational model:**

Tables:

Patient (PatientID, Name, Address, Age, Sex, ConsultantID)
 Foreign Key ConsultantID REFERENCES Consultant(ConsultantID)

Private (PatientID, RoomNumber)
 Foreign Key PatientID REFERENCES Patient(PatientID)
 Foreign Key RoomNumber REFERENCES PrivateRoom(RoomNumber)

NHS (PatientID, BedNumber, WardName)
 Foreign Key PatientID REFERENCES Patient(PatientID)
 Foreign Key BedNumber REFERENCES BED(BedNumber)
 Foreign Key WardNumber REFERENCES BED(WardName)

PrivateRoom (RoomNumber, RoomType)

Ward (WardName, WardType, SisterInCharge)

Bed (BedNumber, WardName)
 Foreign Key WardNumber REFERENCES Ward(WardName)

Consultant (ConsultantID, Name)

Treatment (TreatmentID, Description, Date, PatientID)
 Foreign Key PatientID REFERENCES Patient(PatientID)