Patients
Patient_Number	varchar(45)	
Name	varchar(100)	N
Address	varchar(100)	N
Age	integer(120)	N
Sex	varchar(2)	N
ConsultantConsultant_ID	varchar(200)	

Private_Patient
Room_Number	integer(100)	
PatientsPatient_Number	varchar(45)	

Private Room
Room_Number	integer(100)

Room_Number as a foreign key referencing Private Patient

Private patient and NHS patient are subclasses of Patients

NHS_Patient
PatientsPatient_Number	varchar(45)
WardWard_Name	varchar(70)

Ward
Ward_Name	varchar(70)	
Ward_Type	varchar(20)	N
Sister_In_Charge	varchar(40)	N

Consultant
Consultant_ID	varchar(200)
Name	varchar(80)	N

Treatment
Treatment_Number	integer(5000)	N
Description	varchar(500)	N
Date	date	N
PatientsPatient_Number	varchar(45)	
ConsultantConsultant_ID	varchar(200)	

Relational Scheme:

Table	Attributes	Primary Key	Foreign Key(s)
Patient	Patient_Number, Name, Address, Age, Sex, Consultant_ID	Patient_Number	Consultant_ID (Consultant)
Consultant	Consultant_ID, Consultant_Name	Consultant_ID	
Private_Patient	Patient_Number, Room_Number	Patient_Number	Patient_Number (Patient), Room_Number (Private_Room)
Private_Room	Room_Number, Room_Type	Room_Number	
NHS_Patient	Patient_Number, Ward_Name, Bed_Number	Patient_Number	Patient_Number (Patient), Ward_Name (Ward)
Ward	Ward_Name, Ward_Type, Sister_In_Charge	Ward_Name	
Treatment	Treatment_Number, Treatment_Description, Treatment_Date, Patient_Number, Consultant_ID	Treatment_Number	Patient_Number (Patient), Consultant_ID (Consultant)