

## ER Modelling Exercise – Hospital

Consider the following requirements for inpatients at a hospital:

All **patients** admitted to the hospital are given a **unique patient number**. The patient's **name**, **address**, **age**, and **sex** are recorded.

Private patients are allocated a **private room**, identified by the **room number**. Private rooms are of different types, e.g., **standard**, **deluxe**, **palatial**, etc. **NHS patients** are allocated a **bed** in a **ward**, beds being identified by the **ward name** and **bed number**.

**Wards** are of different **types**, e.g., **pediatric**, **cancer**, etc, with a **named sister** in charge of each one. Each **patient** is allocated to a **named consultant** who supervises the medical care of the patient.

The **consultant** decides on the **treatments** to be given to the patient. A **treatment** is any medical procedure performed on the patient. Each treatment is given a **unique treatment number**, and a **description** of the treatment and the **date** it is **performed** are recorded.

Design an E-R diagram for the above database.



