Assumptions

# Person – Staff

A staff member can inherit all of the attributes within the person field.

# Person - Patient

A patient can inherit all of the attributes within the person field.

# Staff – Doctor/Nurse

Doctors and Nurses can inherit the staffID from the staff field.

# Staff (1..\*) - Doctor (1..\*)

There would be many staff members, and many doctors.

# Staff (1..\*) – Nurse (1..\*)

There would be many staff members, and many nurses.

# Nurse (1..\*) – Sister (1..1)

With many nurses, the should only be 1 to be assigned as sister, to supervise the others.

# Nurse (1..\*) – Medication (0..\*)

Many nurses can give medication if required.

# Nurse (1..\*) – Visit (1..1\*

Many nurses will make many visits during a shift.

# Nurse (1..\*) – Ward (1..1)

Many nurses are assigned to a specific ward, which is supervised by their sister.

# Patient (1..\*) - Ward (1..1)

Many patients can be assigned to 1 ward, as they don’t usually transfer wards, only beds.

# Patient (1..\*) – Visit (1..\*)

Many patients would be required to have many visits so the staff can keep track of their progress.

# Doctor (1..\*) – Registrar (1..\*)

Many doctors can have many registrars.

# Doctor (1..\*) – Consultant (1..\*)

Many doctors can have many consultants.

# Doctor (1..\*) – Houseman (1..\*)

Many doctors can have many housemen.

# Houseman (1..\*) – Consultant (1..\*)

The housemen can report to many consultants.

# Registrar (1..\*) – Consultant (1..1)

Many registrars must report to 1 consultant, who has been assigned as their supervisor.

# Doctor (1..\*) – Visit (1..\*)

Many doctors would make many visits to their patients.

# Doctor (1..\*) – Medication (0..\*)

If required, many doctors could have the option to prescribe medication, if it doesn’t conflict with their current medication

# Patient (1..\*) – Visit (1..\*)

Many patients would be required to have many visits so the staff can keep track of their progress.

# Visit (1..1) – Medication (0..\*)

Visits is aggregation of the medication, so would be mandatory, but during the visit not all patients would need medication.