

Forward Engineering

person(personID, fname, mname, lname)

personMV_email(email, personID)

personID FK person

personMV_phoneNum(phoneNum, personID)

personID FK person

address (personID, addressID, state, city, street, number)

personID FK person

nurse(nID, personID)

personID FK person

works_nurse(nID, shiftID)

nID FK nurse

shiftID FK shift

receptionist(rID, personID)

personID FK person

works_receptionist(rID, shiftID)

rID FK receptionist

shiftID FK shift

doctor(dID, personID)

personID FK person

works_doctor(dID, shiftID)

dID FK doctor

shiftID FK shift

patient(pID, personID, rID_admits, admits_datetime, rID_discharges, discharges_datetime, tdID)

personID FK person

rID_admits FK receptionist

rID_discharges FK receptionist

tdID FK Triage Doctor (Seen by relationship)

caseDoctor(cdID)

assigned_caseDoctor(dID, cdID, shiftID)

dID FK doctor

cdID FK caseDoctor

shiftID FK shift

triageDoctor(tdID)

assigned_triageDoctor(dID, tdID, shiftID)

dID FK doctor

tdID FK triageDoctors

shiftID FK shift

shift(shiftID, date, startTime, endTime)

medication(name)

prescribes(medName, pID, tdID, dosage, frequency)

medName FK medication

pID FK patient

tdID FK triageDoctor

bed(bedID)

occupies(bedID, pID, cdID)

bedID FK bed

pID FK patient

cdID FK caseDoctor

constraint: cdID for pID must match in “diagnoses” relation!

supervises(bedID, shiftID, nID)

bedID FK bed

shiftID FK shift

nID FK nurse

diagnoses(pID, cdID, diagnosis)

pID FK patient

cdID FK caseDoctor

constraint: cdID for pID must match in “occupies” relation!

administers(nID, medName, pID, dosage, frequency, timeAdministered)

nID FK nurse

medName FK medication

pID FK patient