

Hospital Database

Sample Database description:

Hospitals are the most important part of our lives, trying to provide the best medical facilities to people suffering from various type of illness, which may be due to change in climate conditions, increased work-load, emotional trauma stress etc. It is very much difficult for the hospital to maintain its day-to-day activities and records manually. That is why a database is required to keep records of all type of activities of a hospital.

List of tables in the hospital database:

physician

department

patient

nurse

appointment

block

room

procedure

trained_in

undergoes

Structure of hospital Database:

Description of tables:

physician:

employeeid – this is a unique ID of a physician name

– this is the name of a physician

position – this is the designation of a physician ssn –

this is a security number of a physician

department:

departmentid – this is a unique ID for a department name –

this is the name of a department

head – this is the ID of the physician who is the head of a department, referencing to the column employeeid of the table physician

patient:

ssn – this is a unique ID for each patient name

– this is the name of the patient

address – this is the address of the patient

phone – this is the phone number of the patient

insuranceid – this is the insurance id of the patient

pcp – this is the ID of the physician who primarily checked up the patient which is referencing to the column employeeid of the physician table

nurse:

employeeid – this is the unique ID for a nurse name

– name of the nurses

position – the designation of the nurses

registered – this is a logical column which indicate that whether the nurses are registered for nursing or not
ssn – this is the security number of a nurse

appointment:

appointmentid – this is the unique ID for an appointment

patient – this is the ID of each patient which is referencing to the ssn column of patient table

prepnurse – the ID of the nurse who may attend the patient with the physician, which is referencing to the column employeeid of the nurse table

physician – this is the ID the physicians which is referencing to the employeeid column of the physician table
start_dt_time – this is the schedule date and approximate time to meet the physician

end_dt_time – this is the schedule date and approximate time to end the meeting

examinationroom – this the room where to meet a patient to the physician

block:

blockfloor – ID of the floor

blockcode - ID of the block

Note: The combination of blockfloor, blockcode will come once in that table.

room:

roomnumber – this is the unique ID of a room

roomtype – this is type of room

blockfloor - this is the floor ID where the room in

blockcode – this is the ID of the block where the room in

unavailable – this is the logical column which indicate that whether the room is available or not

Note: The of blockfloor, blockcode columns are refercing to the combination of blockfloor and blockcode columns of the table block.

Procedure:

code – this is the unique ID of a medical procedure

name – the name of the medical procedure

cost – the cost for the procedure

trained_in:

physician – this is ID of the physicians which is referencing to the column employeeid of the physician table

treatment – this is the ID of the medical procedure which is referencing to the column code of the procedure table

certificationdate – this is the starting date of certification

certificationexpires – this is the expiry date of certification

undergoes:

patient - this is ID of the patient which is referencing to the ssn column of the patient table

procedure – this is ID of the procedure and referencing to the code column of the procedure table

stay - this is the ID admission of a patient, which is referencing to the stayid column of the stay table

date – this is the date when a patient undergoes for a medical procedure

physician – this is the ID of a physician which is referencing to the column employeeid of the table physician

assistingnurse – this is the ID of a nurse who will assists the physician, referencing to the column employeeid of the table nurse