**(Hospital administration Data Dictionary)**

Table: **Certification**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Description** | **Data Type** | **Size** | **Identity** | **Unique** | **Default** | **Rule** | **Check** | **Allow Nulls** | **Index** |
| Cert | **PK;** for certifications | int |  | Y |  |  |  |  |  | Y |
| Certification | Nurses Certifications | nvarchar | 50 |  |  |  |  |  |  | Y |

Table: **Nurse Certification**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Description** | **Data Type** | **Size** | **Identity** | **Unique** | **Default** | **Rule** | **Check** | **Allow Nulls** | **Index** |
| NurseID | **CPK**; **FK** to Nurse Table to track Nurses | int |  | Y |  |  |  |  |  | Y |
| Cert | **CPK; FK** to Cert Table to track Certifications | nvarchar | 50 |  |  |  |  |  |  | Y |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Description** | **Data Type** | **Size** | **Identity** | **Unique** | **Default** | **Rule** | **Check** | **Allow Nulls** | **Index** |
| NurseID | **PK**; Unique sequential Nurse  Identification | int |  | Y |  |  |  |  |  | Y |
| FirstName | First name of the Nurse | nvarchar | 15 |  |  |  |  |  |  |  |
| LastName | Last name of the Nurse | nvarchar | 20 |  |  |  |  |  |  |  |
| PhoneNumber | Primary Phone Number for  Corresponding Nurse | char | 14 |  |  |  | Phone  Rule |  |  |  |
| Street | Street of the Nurse | nvarchar | 20 |  |  |  |  |  |  |  |
| City | City of the Nurse | nvarchar | 15 |  |  |  |  |  |  |  |
| State | State of the Nurse | char | 2 |  |  |  |  | LIKE ‘[A-Z] [A-Z]’ |  |  |
| Zip | Zip code of the Nurse | char | 10 |  |  |  |  | LIKE ‘[0-9] [0-9] [0-9] [0-9] [0-9] |  |  |
| AltPhoneNumber | Secondary Phone number for the Nurse | char | 20 |  |  |  | Phone  Rule |  |  |  |
| Email | Email for the Nurse | nvarchar |  |  |  |  |  |  |  |  |
| SupervisorNo | **FK** Recursive to Nurse Table; UniqueSequential Supervisor Nurse Identification | int |  |  |  |  |  |  |  |  |

Table: **Nurse**

Table: **Nurse Assignment**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Description** | **Data Type** | **Size** | **Identity** | **Unique** | **Default** | **Rule** | **Check** | **Allow Nulls** | **Index** |
| AssignmentID | PK; Unique sequential nurse assignment ID number | int |  | y |  |  |  |  |  | y |
| Date | Date the Nurse worked | date |  |  |  |  |  |  |  |  |
| Hours | The number of hours worked in the ward | decimal |  |  |  |  | (4,2) |  |  |  |
| NurseID | **FK** to referencing Nurse table | int |  |  |  |  |  |  |  | Y |
| WardID | **FK** to reference Ward table | int |  |  |  |  |  |  |  | Y |

Table: **Ward**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Description** | **Data Type** | **Size** | **Identity** | **Unique** | **Default** | **Rule** | **Check** | **Allow Nulls** | **Index** |
| WardID | **PK;** Unique Sequential Ward Identification | int |  | Y |  |  |  |  |  | Y |
| Location | Identifies the wing in which the ward is located | char | 20 |  |  |  |  |  |  |  |
| DesignatedNumber | The Wards Reference Number within the Hospital | int | 2 |  |  |  |  |  |  |  |
| DescriptiveName | The Name to Specify what Medical activities are carried out in the Ward | nvarchar | 30 |  |  |  |  |  |  |  |
| PhoneNumber | Phone Number to the Ward Help Desk | char | 14 |  |  |  | Phone  Rule |  |  |  |
| ChargeNurseID | **FK**; reference to Nurse table. The ID of the Nurse in charge of the ward | int |  |  |  |  |  |  |  |  |

Table: **Bed**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Description** | **Data Type** | **Size** | **Identity** | **Unique** | **Default** | **Rule** | **Check** | **Allow Nulls** | **Index** |
| BedNumber | **PK**; Unique Sequential Bed Identification | int |  | Y |  |  |  |  |  | Y |
| Size | Bed Size | char | 2 |  |  | [L] |  | LIKE [S] [L] [XL] |  |  |
| Type | Adjustment type of the Bed; either manual or automatic | char | 1 |  |  | [M] |  | LIKE [M] [A] |  |  |
| Availability | Availability of the bed | char | 1 |  |  | O] |  | LIKE [O] [A] |  |  |
| WardID | **FK**; Reference to the Ward Table | int |  |  |  |  |  |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Description** | **Data Type** | **Size** | **Identity** | **Unique** | **Default** | **Rule** | **Check** | **Allow Nulls** | **Index** |
| PatientNumber | **PK**; Unique sequential Patient  Identification | int |  | Y |  |  |  |  |  | Y |
| FirstName | First name of the Patient | nvarchar | 15 |  |  |  |  |  |  |  |
| LastName | Last name of the Patient | nvarchar | 20 |  |  |  |  |  |  |  |
| Street | Street of the Patient | nvarchar | 20 |  |  |  |  |  |  |  |
| City | City of the Patient | nvarchar | 15 |  |  |  |  |  |  |  |
| State | State of the Patient | char | 2 |  |  |  |  | LIKE ‘[A-Z] [A-Z]’ |  |  |
| Zip | Zip code of the Patient | char | 10 |  |  |  |  | LIKE ‘[0-9] [0-9] [0-9] [0-9] [0-9] |  |  |
| Gender | Gender of the Patient | char | 1 |  |  |  |  | LIKE ‘M’ OR ‘F’ OR “NA |  |  |
| DateOfBirth | Birthday of the Patient | date |  |  |  |  |  |  |  |  |
| PhoneNumber | Phone Number of Patient | char | 14 |  |  |  | Phone Rule |  |  |  |
| AltPhoneNumber | Secondary Phone Number for Patient | Char | 14 |  |  |  | Phone Rule |  |  |  |
| Email | Email for the Patient | nvarchar | 35 |  |  |  |  |  |  |  |
| BedNumber | **FK**; Reference to Bed Table | int |  |  |  |  |  |  |  | Y |

Table: **Patient**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Description** | **Data Type** | **Size** | **Identity** | **Unique** | **Default** | **Rule** | **Check** | **Allow Nulls** | **Index** |
| ChargeID | **PK**; Unique Sequential Bed Identification | int |  | Y |  |  |  |  |  | Y |
| Date | Date of item charge | date |  |  |  |  |  |  |  |  |
| Quantity | Quantity of item | int |  |  |  |  |  |  |  |  |
| PatientNumber | FK; reference to the Patient Table | int |  |  |  |  |  |  |  |  |
| ItemNumber | **FK**; Reference to the ItemTable | int |  |  |  |  |  |  |  |  |

Table: **Item charge**

Table: **Item**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Description** | **Data Type** | **Size** | **Identity** | **Unique** | **Default** | **Rule** | **Check** | **Allow Nulls** | **Index** |
| ItemNumber | **PK**; Unique Sequential Item Identification | int |  | Y |  |  |  |  |  | Y |
| Name | Name of item | nvarchar | 50 |  |  |  |  |  |  |  |
| Charge | The cost of the item | money |  |  |  |  |  |  |  |  |

Table: **Admit/Discharge**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Description** | **Data Type** | **Size** | **Identity** | **Unique** | **Default** | **Rule** | **Check** | **Allow Nulls** | **Index** |
| AdmitID | **PK;** Unique Sequential Admit Identification | int |  | Y |  |  |  |  |  | Y |
| AdmitDate | Date patient is admitted | date |  |  |  |  |  |  |  |  |
| DischargeDate | Date patient is discharged | date |  |  |  |  |  |  |  |  |
| PatientNumber | FK to Patient table | int |  |  |  |  |  |  |  |  |
| AdmitDocID | FK; reference to Doctor Table. Synonym for DoctorID | int |  |  |  |  |  |  |  |  |
| DischargeDocID | **FK**; reference to Doctor Table. Synonym for DoctorID | int |  |  |  |  |  |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Description** | **Data Type** | **Size** | **Identity** | **Unique** | **Default** | **Rule** | **Check** | **Allow Nulls** | **Index** |
| DoctorID | **PK**; Unique sequential Doctor  Identification | int |  | Y |  |  |  |  |  | Y |
| FirstName | First name of the Doctor | nvarchar | 15 |  |  |  |  |  |  |  |
| LastName | Last name of the Doctor | nvarchar | 20 |  |  |  |  |  |  |  |
| Street | Street of the Doctor | nvarchar | 20 |  |  |  |  |  |  |  |
| City | City of the Doctor | nvarchar | 15 |  |  |  |  |  |  |  |
| State | State of the Doctor | char | 2 |  |  |  |  | LIKE ‘[A-Z] [A-Z]’ |  |  |
| Zip | Zip code of the Doctor | char | 10 |  |  |  |  | LIKE ‘[0-9] [0-9] [0-9] [0-9] [0-9] |  |  |
| PhoneNumber | Phone Number of Patient | char | 14 |  |  |  | Phone Rule |  |  |  |
| AltPhoneNumber | Secondary Phone Number for Doctor | Char | 14 |  |  |  | Phone Rule |  |  |  |
| Email | Email for the Doctor | nvarchar | 35 |  |  |  |  |  |  |  |

Table: **Doctor**

Table: **Doctor Specialty**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Description** | **Data Type** | **Size** | **Identity** | **Unique** | **Default** | **Rule** | **Check** | **Allow Nulls** | **Index** |
| DoctorID | **CPK;FK**; Unique Sequential Item Identification | int |  | Y |  |  |  |  |  | Y |
| MedicalSpecialty | **CPK; FK** referencing Specialty table | int |  |  |  |  |  |  |  | Y |

Table: **Specialty**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Description** | **Data Type** | **Size** | **Identity** | **Unique** | **Default** | **Rule** | **Check** | **Allow Nulls** | **Index** |
| MedicalSpecialty | **PK;** tracks specialty | int |  | Y |  |  |  |  |  | Y |
| Specialty | **Doctors Specialty** | int | 30 |  |  |  |  |  |  | Y |

Table: **Administer**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Description** | **Data Type** | **Size** | **Identity** | **Unique** | **Default** | **Rule** | **Check** | **Allow Nulls** | **Index** |
| PatientNumber | **CPK; FK** to Patient table | int |  | Y |  |  |  |  |  | Y |
| DoctorID | **CPK; FK** to Doctor table | int |  |  |  |  |  |  |  | Y |
| TreatmentNo | **CPK; FK** to Treatment table | int |  |  |  |  |  |  |  | Y |
| Date | Date treatment given to Patient | date |  |  |  |  |  |  |  |  |
| Time | Time treatment was administered to Patient | decimal |  |  |  |  | (4,2) |  |  |  |
| Results | Results of patient’s treatment | nvarchar |  |  |  |  |  |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Description** | **Data Type** | **Size** | **Identity** | **Unique** | **Default** | **Rule** | **Check** | **Allow Nulls** | **Index** |
| TreatmentNo | **PK;** unique sequential Treatment number | int |  | Y |  |  |  |  |  | Y |
| Name | Name of the Treatment | nvarchar | 40 |  |  |  |  |  |  |  |
| Description | The type of Treatment | nvarchar | 100 |  |  |  |  |  |  |  |
| Charge | The cost of the Treatment | money |  |  |  |  |  |  |  |  |

Table: **Treatment**

Table: **Care**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Description** | **Data Type** | **Size** | **Identity** | **Unique** | **Default** | **Rule** | **Check** | **Allow Nulls** | **Index** |
| EventID | **PK;** Unique sequential Event Number | int |  | Y |  |  |  |  |  | Y |
| Event | Nurses notations of the adminstered | nvarchar | 200 |  |  |  |  |  |  |  |
| Date | **CPK; FK** to Treatment table | date |  |  |  |  |  |  |  |  |
| Time | Date treatment given to Patient | decimal |  |  |  |  | (4,2) |  |  |  |
| PatientID | Time treatment was administered to Patient | Int |  |  |  |  |  |  |  |  |
| NurseID | Results of patient’s treatment | Int |  |  |  |  |  |  |  |  |