Table: **Nurse Certification**

Column Name	Description	Data Type	Size	Identity	Unique	Default	Rule	Check	Allow Nulls	Index
Certification	**CPK**; Nurse's certification	varchar	50							Y
NurseID	**CPK**; **FK** to Nurse table; NurseID of the nurse with the certfication	int								Y

Table: **Nurse**

Column Name	Description	Data Type	Size	Identity	Unique	Default	Rule	Check	Allow Nulls	Index
NurseID	**PK**; Unique sequential Nurse ID number	int		Y	Y					Y
FirstName	First name of the nurse	nvarchar	30							
LastName	Last name of the nurse	nvarchar	30							
Phone	Phone number of the nurse	char	10				PhoneRule			
Street	Street of the nurse	nvarchar	20							
City	City of the nurse	nvarchar	15							
State	State of the employee	char	2			'FL'		LIKE '[A-Z][A-Z]'		
Zip	Zip code of the employee	char	5					LIKE '[0-9][0-9][0-9][0-9][0-9]'		
Email	Email of the nurse	nvarchar	30						Y	
SupervisorID	Recursive **FK**; Synonym for NurseID; One nurse supervises another nurse	int							Y	

Table: **Nurse Assignment**

Column Name	Description	Data Type	Size	Identity	Unique	Default	Rule	Check	Allow Nulls	Index
NurseWardID	**PK**; Unique sequential ID number for tracking nurse shift assignments at wards	int		Y	Y					Y
Date	Date of nurse's ward ward assignment	date								Y
Hours	Amount of hours Nurse is assigned to the ward	decimal	(4,2)							
NurseID	**FK** to Nurse table	int								Y

Table: **Ward**

Column Name	Description	Data Type	Size	Identity	Unique	Default	Rule	Check	Allow Nulls	Index
WardID	**PK**; Unique sequential Ward ID number	int		Y	Y					Y
Location	Location of the ward	nvarchar	50							
Phone	Phone number of the ward	char	10				PhoneRule			
NurseChargeID	**FK** to Nurse table; synonym for NurseID	int								Y

Table: **Bed**

Column Name	Description	Data Type	Size	Identity	Unique	Default	Rule	Check	Allow Nulls	Index
BedID	**PK**; Unique sequential Bed ID number	int		Y	Y					Y
Size	Size of the bed	nvarchar	30							
Type	Type of the bed	nvarchar	30							
WardID	**FK** to Ward table	int								Y

Table: **Patient**

Column Name	Description	Data Type	Size	Identity	Unique	Default	Rule	Check	Allow Nulls	Index
PatientID	**PK**; Unique sequential Patient ID number	int		Y	Y					Y
FirstName	First name of the patient	nvarchar	30							
LastName	Last name of the patient	nvarchar	30							
Gender	Gender of the patient	nvarchar	10							
DOB	Date of birth of the patient	date								
Age	Age is calculated from DOB	int								
Street	Street of the patient	nvarchar	50							
City	City of the patient	nvarchar	30							
State	Strate of the patient	char	2			'FL'		LIKE '[A-Z][A-Z]'		
Zip	Zip code of the patient	char	5					LIKE '[0-9][0-9][0-9][0-9]'		
BedID	**FK** to Bed table	int								Y

Table: **Item Charge**

Column Name	Description	Data Type	Size	Identity	Unique	Default	Rule	Check	Allow Nulls	Index
ChargeID	**PK**; Unique sequential Charge ID number	int		Y	Y					Y
Date	Date of the item is charged	date								Y
Quantiy	Quantity of the item is charged	int								
PatientID	**FK** to Patient table	int								Y
ItemID	**FK** to Item table	int								Y

Table: **Item**

Column Name	Description	Data Type	Size	Identity	Unique	Default	Rule	Check	Allow Nulls	Index
ItemID	**PK**; Unique sequential Item ID number	int		Y	Y					Y
ItemName	Name of the item	nvarchar	30							
Charge	The amount charged for 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 ID number	int		Y	Y					Y
AdmitDate	Admit Date of the patient	date								
DischargeDate	Discharge Date of the patient	date								
PatientID	**FK** to Patient table	int								Y
AdmitDoc	**FK** to Physician table; synonym for DoctorID	int								Y
DischargeDoc	**FK** to Physician table; synonym for DoctorID	int								Y

Table: **Physician Specialty**

Column Name	Description	Data Type	Size	Identity	Unique	Default	Rule	Check	Allow Nulls	Index
Specialty	**CPK**; Doctor's specialty	varchar	50							Y
Doctor ID	**CPK**; **FK** to Phyician table; DoctorID of the doctor with the specialty	int								Y

Table: **Physician**

Column Name	Description	Data Type	Size	Identity	Unique	Default	Rule	Check	Allow Nulls	Index
DoctorID	**PK**; Unique sequential Doctor ID number	int		Y	Y					Y
FirstName	First name of the doctor	nvarchar	30							
LastName	Last name of the doctor	nvarchar	30							
Phone	Phone number of the doctor	char	14				PhoneRule			
Street	Street of the doctor	nvarchar	50							
City	City of the doctor	nvarchar	30							
State	State of the doctor	char	2			'FL'		LIKE '[A-Z][A-Z]'		
Zip	Zip code of the doctor	char	5					LIKE '[0-9][0-9][0-9][0-9][0-9]'		
Email	Email of the doctor	nvarchar	20						Y	

Table: **Treatment Administration**

Column Name	Description	Data Type	Size	Identity	Unique	Default	Rule	Check	Allow Nulls	Index
PatientID	**CPK**; **FK** to Patient table; PatientID of the patient receiving the treatment	int								Y
DoctorID	**CPK**; **FK** to Physician table; DoctorID of the doctor doing treatment	int								Y
TreatmentID	**CPK**; **FK** to Treatment table; Treatment ID for the treatment	int								Y
Date	Date of the treatment	date								Y
Results	Result of the treatment	nvarchar	50							

Table: **Treatment**

Column Name	Description	Data Type	Size	Identity	Unique	Default	Rule	Check	Allow Nulls	Index
TreatmentID	**PK**; Unique sequential treatment ID number	int		Y	Y					Y
TreatmentName	Name of the treatment	nvarchar	50							
Description	Description of the treatment	nvarchar	50							
Charge	The amount charged for the treatment	money								

Table: **Nurse Patient**

Column Name	Description	Data Type	Size	Identity	Unique	Default	Rule	Check	Allow Nulls	Index
EventID	**PK**; Unique sequential treatment ID number	int		Y	Y					Y
EventType	Type of the event	nvarchar	50							
Date	Date of the event	date								Y
Time	Time of the event	time								
PatientID	**FK** to Patient table	int								Y
NurseID	**FK** to Nurse table	int								Y