

Table: **AdmitDischarge**

Column Name	Description	Data Type	Size	Identity	Unique	Default	Rule	Check	Allow Nulls	Index
<b>AdmitID</b>	<b>PK</b> ; Unique sequential admit ID number	int		Y						Y
<b>AdmitDate</b>	Date the patient is admitted	date								
<b>DischargeDate</b>	Date the patient is discharged	date								
<b>PatientID</b>	<b>FK</b> to Patient table	int								
<b>AdmitDoc</b>	<b>FK</b> to Physician table; Synonym for DoctorID	int								
<b>DischargeDoc</b>	<b>FK</b> to Physician table; Synonym for DoctorID	int								

Table: **Bed**

Column Name	Description	Data Type	Size	Identity	Unique	Default	Rule	Check	Allow Nulls	Index
<b>BedID</b>	<b>PK</b> ; Unique bed number	int		Y						Y
<b>Size</b>	Size of the bed	char	2			'L'		LIKE 'S' OR 'M' OR 'L' OR 'XL'		
<b>Type</b>	Type of bed	char	1			'M'		LIKE 'E' OR 'M'		
<b>Availability</b>	Availability of the bed	char	1			'O'		LIKE 'O' OR 'A'		
<b>WardID</b>	<b>FK</b> to Ward Table	int								

Table: **Care**

Column Name	Description	Data Type	Size	Identity	Unique	Default	Rule	Check	Allow Nulls	Index
<b>CareID</b>	<b>PK</b> ; Unique sequential care ID number	int		Y						Y
<b>Event</b>	Name of the event	nvarchar	15							
<b>Date</b>	Date the event occurred	date								
<b>PatientID</b>	<b>FK</b> to Patient table	int								
<b>NurseID</b>	<b>FK</b> to Nurse Table	int								

Table: **Certification**

Column Name	Description	Data Type	Size	Identity	Unique	Default	Rule	Check	Allow Nulls	Index
<b>CertID</b>	<b>PK</b> for Certifications	int		Y						Y
<b>Certification</b>	Nurse's Certifications	nvarchar	50							Y

Table: **Item**

Column Name	Description	Data Type	Size	Identity	Unique	Default	Rule	Check	Allow Nulls	Index
ItemID	PK to track Item Charge	int		Y						Y
ItemName	Name of the item	nvarchar	20							
Charge	Amount the item is charged	computed								

Table: **Item\_Charge**

Column Name	Description	Data Type	Size	Identity	Unique	Default	Rule	Check	Allow Nulls	Index
<b>ChargeID</b>	<b>PK</b> ; Unique sequential charge ID number	int		Y						Y
<b>Date</b>	Date of item charge	date								
<b>Quantity</b>	Quantity of items	int								
<b>PatientID</b>	<b>FK</b> to Patient table	int								
<b>ItemID</b>	<b>FK</b> to Item table	int								

Table: **Nurse**

Column Name	Description	Data Type	Size	Identity	Unique	Default	Rule	Check	Allow Nulls	Index
<b>NurseID</b>	<b>PK</b> ; Unique sequential nurse ID number	int		Y						Y
<b>FirstName</b>	First name of the nurse	nvarchar	20							
<b>LastName</b>	Last name of the nurse	nvarchar	20							
<b>Street</b>	Street of the nurse	nvarchar	30							
<b>City</b>	City of the nurse	nvarchar	30							
<b>State</b>	State of the nurse	char	2					LIKE '[A-Z] [A-Z]'		
<b>Zip</b>	Zip code of the nurse	char	5					LIKE '[0-9] [0-9] [0-9] [0-9] [0-9]'		

<b>Phone</b>	Phone number of the nurse	char	14				Phone Rule			
<b>AltPhone</b>	Alternate Phone number of the nurse	char	14				Phone Rule			
<b>Email</b>	Email address of the nurse	nvarchar	20							
<b>SupervisorID</b>	Recursive <b>FK</b> ; Synonym for NurseID; One nurse supervises another nurse	int								

Table: **Nurse\_Assignment**

Column Name	Description	Data Type	Size	Identity	Unique	Default	Rule	Check	Allow Nulls	Index
<b>NurseID</b>	<b>PK</b> from the Nurse table to track NurseID	int		Y						Y
<b>Date</b>	Date of the nurse assignment	date								
<b>Hours</b>	Number of hours the nurse works on assignment	decimal	(4,2)							
<b>NurseID</b>	<b>FK</b> to Nurse Table	int	20							Y
<b>WardID</b>	<b>FK</b> to Ward Table	int	20							Y



Table: **Nurse\_Cert**

Column Name	Description	Data Type	Size	Identity	Unique	Default	Rule	Check	Allow Nulls	Index
NurseID	CPK; FK track certifications, references Cert Table	int								Y
CertID	CPK; FK track Nurses, references Nurse Table	nvarchar	50							Y

Table: **Nurse\_Patient**

Column Name	Description	Data Type	Size	Identity	Unique	Default	Rule	Check	Allow Nulls	Index
<b>EventID</b>	<b>PK</b> ; Unique sequential event ID number	int		Y						Y
<b>EventType</b>	The type of event happening	nvarchar	20							
<b>Date</b>	Date of nurse treating the patient	date								
<b>Time</b>	Time of nurse treating the patient	time								
<b>PatientID</b>	<b>FK</b> to Patient table	int								
<b>NurseID</b>	<b>FK</b> to Nurse Table	int								

Table: **Patient**

Column Name	Description	Data Type	Size	Identity	Unique	Default	Rule	Check	Allow Nulls	Index
<b>PatientID</b>	<b>PK</b> ; Unique sequential patient ID number	int		Y						Y
<b>FirstName</b>	First name of the patient	nvarchar	20							
<b>LastName</b>	Last name of the patient	nvarchar	20							
<b>Gender</b>	Gender of the patient	char	2					LIKE 'M' OR 'F' OR 'NA'		
<b>DOB</b>	Date of Birth of the patient	date								
<b>[Age]</b>	Calculated age of the patient	computed								
<b>Street</b>	Street of the patient	nvarchar	30							
<b>City</b>	City of the patient	nvarchar	30							

<b>State</b>	State of the patient	char	2					LIKE '[A-Z] [A-Z]'		
<b>Zip</b>	Zip code of the patient	char	5			LIKE '[0-9] [0-9] [0-9] [0-9] [0-9]'				
<b>Phone</b>	Phone number of the patient	char	14		Phone Rule				Y	
<b>AltPhone</b>	Alternate Phone number of the patient	char	14		Phone Rule					
<b>Email</b>	Email address of the patient	nvarchar	30							
<b>BedID</b>	<b>FK</b> to Bed table	int								Y

Table: **Physician**

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

<b>Phone</b>	Phone number of the doctor	char	14				PhoneRule			
<b>AltPhone</b>	Alternate Phone number of the nurse	char	14				PhoneRule			
<b>Email</b>	Email of the doctor	nvarchar	20							

Table: **Physician\_Specialty**

Column Name	Description	Data Type	Size	Identity	Unique	Default	Rule	Check	Allow Nulls	Index
<b>DoctorID</b>	<b>CPK; FK</b> to Doctor table	int		Y						Y
<b>Specialty</b>	<b>CPK; FK</b> to specialty table	int								Y

Table: **Specialty**

Column Name	Description	Data Type	Size	Identity	Unique	Default	Rule	Check	Allow Nulls	Index
<b>SpecialtyID</b>	<b>PK</b> to track specialty	int		Y						Y
<b>Specialty</b>	Doctor's specialty	nvarchar	30							Y

Table: **Treatment**

Column Name	Description	Data Type	Size	Identity	Unique	Default	Rule	Check	Allow Nulls	Index
<b>TreatmentID</b>	<b>PK</b> ; Unique sequential Treatment ID number	int		Y						Y
<b>TreatName</b>	Name of the treatment	nvarchar	20							
<b>Descrip</b>	Description of the treatment	nvarchar	100							
<b>Charge</b>	Charge of the treatment	computed								



Table: **Treatment\_Administration**

Column Name	Description	Data Type	Size	Identity	Unique	Default	Rule	Check	Allow Nulls	Index
<b>AdminTreatmentID</b>	<b>PK</b> ; Unique sequential AdminTreatment ID number	int		Y						Y
<b>Date</b>	Date of administered treatment to patient	date								Y
<b>Time</b>	Time of administered treatment to patient	time								
<b>Results</b>	Results of the patient's treatment administration	nvarchar	30							
<b>PatientID</b>	<b>FK</b> to Patient table	int								Y
<b>DoctorID</b>	<b>FK</b> to Doctor table	int								Y
<b>TreatmentID</b>	<b>FK</b> to Treatment table	int								

Table: **Ward**

Column Name	Description	Data Type	Size	Identity	Unique	Default	Rule	Check	Allow Nulls	Index
<b>WardID</b>	<b>PK</b> ; Unique ward ID number	int		Y						Y
<b>Location</b>	Location of the ward	nvarchar	20							
<b>Phone</b>	Phone number of the employee	char	14					PhoneRule		
<b>ChargeNurse</b>	<b>FK</b> to Nurse Table; Synonym for NurseID; One nurse oversees a ward	int								