Data Dictionary Hospital Narrative

Table: **AdmitDischarge**

Column Name	Description	Data Type	Size	Identity	Unique	Default	Rule	Check	Allow Nulls	Index
AdDisID	**PK**; Unique sequential admit ID number	int		Y						Y
AdmitDate	Date of Admission	date								
DischargeDate	Date of Discharge	date								
PatientID	**FK** to Patient table	int								
AdmitDoc	**FK** to Doctor table; Synonym for DoctorID	int								
DischargeDoc	**FK** to Doctor table; Synonym for DoctorID	int								

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
Size	Size of bed	char	2			'L'		LIKE 'S' OR 'M' OR 'L' OR 'XL'		
Type	Type of bed	char	1			'M'		LIKE 'E' OR 'M'		
Availability	Bed Availability	char	1			'O'		LIKE 'O' OR 'A'		
WardID	**FK** referencing the Ward table	int								

Table: **ItemCharged**

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

Table: **Certification**

Column Name	Description	Data Type	Size	Identity	Unique	Default	Rule	Check	Allow Nulls	Index
CertID	**PK** for certifications	int		Y						Y
Certification	Nurse's certification	nvarchar	50		Y					

Table: **Doctor**

Column Name	Description	Data Type	Size	Identity	Unique	Default	Rule	Check	Allow Nulls	Index
DoctorID	**PK**; Unique sequential admit ID number	int		Y						Y
FirstName	First name of the doctor	nvarchar	20							
LastName	Last name of the doctor	nvarchar	20							
Street	Street of the doctor	nvarchar	30							
City	City of the doctor	nvarchar	30							
State	State of the doctor	char	2					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 address of doctor	nvarchar	30							
Phone	Phone number of doctor	char	14							
AltPhone	Alternate phone number of doctor	char	14							

Table: **DoctorSpecialty**

Column Name	Description	Data Type	Size	Identity	Unique	Default	Rule	Check	Allow Nulls	Index
DoctorID	**CPK**; **FK** to Doctor Table	int								Y
SpecialtyID	**CPK**; **FK** to Specialty table	int								Y

Table: **Item**

Column Name	Description	Data Type	Size	Identity	Unique	Default	Rule	Check	Allow Nulls	Index
ItemID	**PK**; Unique sequential Item identifier	int		Y						Y
ItemName	Name of Item	nvarchar	30		Y					
Charge	Cost of the item	Money								

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
FirstName	First name of the nurse	nvarchar	20							
LastName	Last name of the nurse	nvarchar	20							
Street	Street of the nurse	nvarchar	30							
City	City of the nurse	nvarchar	30							
State	State of the nurse	char	2					LIKE '[A-Z] [A-Z]'		
Zip	Zip code of the nurse	char	5					LIKE '[0-9] [0-9] [0-9] [0-9] [0-9]'		
Email	Email of the nurse	nvarchar	30							
Phone	Phone number of the nurse	char	14							
AltPhone	Alternate phone number of the nurse	char	14							
SupervisorID	Recursive **FK**; References NurseID; One nurse supervises another	int							Y	

Table: **NurseCert**

Column Name	Description	Data Type	Size	Identity	Unique	Default	Rule	Check	Allow Nulls	Index
CertID	**CPK**; **FK** tracking certifications, referencing Certification table	int								Y
NurseID	**CPK**; **FK** to Nurses; References Nurse table	int								Y

Table: **NurseAssignment**

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
Hours	Number of hours the nurse works on assignment	decimal	(4,2)							
Date	Date of nurse assignment	date								
NurseID	**FK** to Nurse Table	int								
WardID	**FK** to Ward Table	int								

Table: **NursePatientCare**

Column Name	Description	Data Type	Size	Identity	Unique	Default	Rule	Check	Allow Nulls	Index
EventID	**PK**; Unique sequential TreatmentAdmin ID number	int		Y						Y
EventType	Type of Nurse Patient event	char	3					LIKE 'WC' OR 'MED' OR 'FS' OR 'AST' OR 'OTH'		
Date	Date of administered treatment	date								
Time	Time of administered treatment	time								
PatientID	**FK** to Patient table	int								
NurseID	**FK** to Nurse table	int								

Table: **Patient**

Column Name	Description	Data Type	Size	Identity	Unique	Default	Rule	Check	Allow Nulls	Index
PatientID	**PK**; Unique sequential Patient identifier	int		Y						Y
FirstName	First name of the patient	nvarchar	20							
LastName	Last name of the patient	nvarchar	20							
Gender	Gender of the patient	char	2					LIKE 'M' OR 'F' OR 'NA'		
DOB	Date of birth of patient	date								
[Age]	Calculated age of the patient; datediff(year, dob, getdate())	computed								
Street	Street of the patient	nvarchar	30							
City	City of the patient	nvarchar	30							
State	State of the patient	char	2					LIKE '[A-Z][A-Z]'		
Zip	Zip code of the patient	char	5					LIKE '[0-9][0-9] [0-9] [0-9] [0-9]'		
Email	Email address of patient	nvarchar	30							
Phone	Phone number of patient	char	14							
AltPhone	Alternate phone number of patient	char	14							
BedID	**FK** to the Bed table	int								

Table: **Specialty**

Column Name	Description	Data Type	Size	Identity	Unique	Default	Rule	Check	Allow Nulls	Index
SpecialtyID	**PK** to track specialty	int		Y						Y
Specialty	Doctor's Specialty	nvarchar	50		Y					

Table: **Treatment**

Column Name	Description	Data Type	Size	Identity	Unique	Default	Rule	Check	Allow Nulls	Index
TreatmentID	**PK**; Treatment ID	int		Y						Y
TreatmentInfo	Name, Description of Treatment	nvarchar	50		Y					

Table: **TreatmentAdmin**

Column Name	Description	Data Type	Size	Identity	Unique	Default	Rule	Check	Allow Nulls	Index
TreatmentAdminID	**PK**; Unique sequential TreatmentAdmin ID number	int		Y						Y
Date	Date of administered treatment	date								
Time	Time of administered treatment	time								
Results	Results of administered treatment	nvarchar	30							
PatientID	**FK** to Patient table	int								
DoctorID	**FK** to Doctor table	int								
TreatmentID	**FK** to Treatment table	int								

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
Name	Descriptive name of the ward	nvarchar	30							
Location	Location of the ward	nvarchar	20							
Phone	Phone number of the ward	char	14							
ChargeNurse	**FK** to the Nurse table; References to NurseID; One nurse is in charge of a ward	int								Y