3NF

Indexed Columns

Patient				
caseID	INT	PK	FK	NOT NULL
newbornStatus	TINYINT(1)			
ageUnit	TINYINT(1)			NOT NULL
age	TINYINT(2)			NOT NULL
sex	TINYINT(1)			NOT NULL
race	TINYINT(1)			
maritalStatus	TINYINT(1)			

HospitalCase				
caseID	INT	PK		NOT NULL
hospitalID	INT		FK	NOT NULL
surveyYear	YEAR(4)			
dischargeMonth	TINYINT(2)			
dischargeStatus	TINYINT(1)			NOT NULL
daysOfCare	SMALLINT(4)			
stayLength_f	TINYINT(1)			
analysisWeight	MEDIUMINT(5)			NOT NULL
DGR	SMALLINT(3)			
admissionType	TINYINT(1)			
admissionSrc	TINYINT(2)			
admitDiagCode	VARCHAR(5)			

Diagnosed				
caseID	INT	PK	FK	NOT NULL
sequence	INT	PK		NOT NULL
diagCode	VARCHAR(5)	PK	FK	NOT NULL

Diagnosis				
diagCode	VARCHAR(5)	PK		NOT NULL
description	VARCHAR(255)			

Treated				
caseID	INT	PK	FK	NOT NULL
sequence	INT	PK		NOT NULL
procCode	VARCHAR(4)	PK	FK	NOT NULL

Procedure				
procCode	VARCHAR(4)	PK		NOT NULL
description	VARCHAR(255)			

Payment

caseID	INT	PK	FK	NOT NULL
paymentType	TINYINT(1)	PK		NOT NULL
expectedSrc	TINYINT(2)			NOT NULL

Hospital

hospitalID	INT	PK		NOT NULL
geoRegion	TINYINT(1)			
beds	TINYINT(1)			
ownership	TINYINT(1)			