Avinash Bunga 611 - Group Project			
Feature name	**Type**	**Description and values**	**% missing**
Encounter ID	Numeric	Unique identifier of an encounter	0
Patient number	Numeric	Unique identifier of a patient	0
Race	Nominal	Values: Caucasian, Asian, African American, Hispanic, and other	2
Gender	Nominal	Values: male, female, and unknown/invalid	0
Age	Nominal	Grouped in 10-year intervals: (0, 10), (10,20),.. (90, 100)	0
Weight	Numeric	Weight in pounds.	97
Admission type	Nominal	Integer identilier corresponding to 9 distinct values, for example, emergency, urgent, elective, newborn, and not available	0
Discharge disposition	Nominal	Integer identifier corresponding to 29 distinct values, for example, discharged to home, expired, and not available	0
Admission source	Nominal	Integer identifier corresponding to 21 distinct values, for example, physician referral, emergency room, and transfer from a hospital	0
Time in hospital	Numeric	Integer number of days between admission and discharge	0
Payer code	Nominal	Integer identifier corresponding to 23 distinct values, for example, Blue Cross\ Blue Shield, Medicare, and self-pay	52
Medical specialty	Nominal	Integer identifier of a speciality of the admitting physician, corresponding to 84 distinct values, for example, cardiology, internal medicine, family\general practice, and surgeon	53
Number of lab procedures	Numeric	Number of lab tests performed during the encounter	0
Number of procedures	Numeric	Number of procedures (other than lab tests) performed during the encounter	0
Number of medlicalicos	Numeric	Number of distinct generic names administered during the encounter	0
Number of outpatient visit	Numeric	Number of outpatient visits of the patient in the year preceding the encounter	0
Number of emergency visits	Numeric	Number of emergency visits of the patient in the year proceding the encouter	0
Number of inpatient visits	Numeric	Number of inpatient visits of the patient in the year proceding the encounter	0
Diagnosis 1	Nominal	The primary diagnosis (coded as first three digits of ICD9): 818 distinct values	0
Diagnosis 2	Nominal	Secondary diagnosis (coded as first three digits of ICI9); 923 distinct values	0
Dagnuosis 3	Nominal	Additional secondary diagnosis (coded as first three digits of ICD9); 954 distinct values	1
Number of diagnoses	Numeric	Number of diagnoses entered to the system	0
Glucose serum test result	Nominal	Indicates the range of the result or if the test was not taken. Values: ">200, *>300,*"normal," and "none" if not measured	0

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A1c test result	Nominal	Indicates the range of the result or if the test was not taken. Values: >8" if the result was greater than 8%, ">7" if the result was greater than 7% but less than 8%, normal" if the result was less than 7%, and "none" if not measured.	0
Change of melications	Nominal	Indicates if there was a change in diabetic medications (either dosage or generic name). Values: "change" and no change"	0
Diabetes medication	Nominal	Indicates if there was any diabetic medication prescribed Values: "yes" and "no"	0
21 features for medications	Nominal	For the generic names metformin, repoglinido, nauglinio, chlorpropamide, glimepiride, actoberamide glipizide, glyburice, tolbutamide, picoglitaconse, rosiglitazone, ncarboes, miglisol, Iroplitarone, folazamide, examicle, sitagliptin, insulin, Blyburide metformin, glipizide-metormin, glimepiride-pioglitazone, metformin-rosiglitazone, and metformin pioglitazone, the feature indicates whether the drug was prescribed or there was a change in the dosage, Values "up" if the dosage was increased during the encounter, "down" if the dosage was decreased, "steady" if the dosage did not change, and "no" if the drug was not prescribed.	0
Readmitted	Nominal	Days to inpatient readmission. Values: "<30" if the patient was readmitted in less than 30 days, ">30" if the patient was readmitted in more than 30 days, and "No" for no record of readmission.	0