Dataset: File [diabetic\_data.csv](https://blackboard.stonybrook.edu/bbcswebdav/pid-1573663-dt-content-rid-10792620_1/xid-10792620_1) (18.272 MB)

**Abstract**: This data has been prepared to analyze factors related to readmission as well as other outcomes pertaining to patients with diabetes.

| **Data Set Characteristics:** | Multivariate | **Number of Instances:** | 100000 | **Area:** | Life |
| --- | --- | --- | --- | --- | --- |
| **Attribute Characteristics:** | Integer | **Number of Attributes:** | 55 | **Date Donated** | 2014-05-03 |
| **Associated Tasks:** | Classification, Clustering | **Missing Values?** | Yes | **Number of Web Hits:** | 379041 |

**Source**:

The data are submitted on behalf of the Center for Clinical and Translational Research, Virginia Commonwealth University, a recipient of NIH CTSA grant UL1 TR00058 and a recipient of the CERNER data. John Clore (jclore '@' vcu.edu), Krzysztof J. Cios (kcios '@' vcu.edu), Jon DeShazo (jpdeshazo '@' vcu.edu), and Beata Strack (strackb '@' vcu.edu). This data is a de-identified abstract of the Health Facts database (Cerner Corporation, Kansas City, MO).

Data Dictionary:

| **admission\_type\_id** | **description** |
| --- | --- |
| 1 | Emergency |
| 2 | Urgent |
| 3 | Elective |
| 4 | Newborn |
| 5 | Not Available |
| 6 | NULL |
| 7 | Trauma Center |
| 8 | Not Mapped |
|  |  |
| **discharge\_disposition\_id** | **description** |
| 1 | Discharged to home |
| 2 | Discharged/transferred to another short term hospital |
| 3 | Discharged/transferred to SNF |
| 4 | Discharged/transferred to ICF |
| 5 | Discharged/transferred to another type of inpatient care institution |
| 6 | Discharged/transferred to home with home health service |
| 7 | Left AMA |
| 8 | Discharged/transferred to home under care of Home IV provider |
| 9 | Admitted as an inpatient to this hospital |
| 10 | Neonate discharged to another hospital for neonatal aftercare |
| 11 | Expired |
| 12 | Still patient or expected to return for outpatient services |
| 13 | Hospice / home |
| 14 | Hospice / medical facility |
| 15 | Discharged/transferred within this institution to Medicare approved swing bed |
| 16 | Discharged/transferred/referred another institution for outpatient services |
| 17 | Discharged/transferred/referred to this institution for outpatient services |
| 18 | NULL |
| 19 | Expired at home. Medicaid only, hospice. |
| 20 | Expired in a medical facility. Medicaid only, hospice. |
| 21 | Expired, place unknown. Medicaid only, hospice. |
| 22 | Discharged/transferred to another rehab fac including rehab units of a hospital. |
| 23 | Discharged/transferred to a long-term care hospital. |
| 24 | Discharged/transferred to a nursing facility certified under Medicaid but not certified under Medicare. |
| 25 | Not Mapped |
| 26 | Unknown/Invalid |
| 30 | Discharged/transferred to another Type of Health Care Institution not Defined Elsewhere |
| 27 | Discharged/transferred to a federal health care facility. |
| 28 | Discharged/transferred/referred to a psychiatric hospital of psychiatric distinct part unit of a hospital |
| 29 | Discharged/transferred to a Critical Access Hospital (CAH). |
|  |  |
| **admission\_source\_id** | **description** |
| 1 | Physician Referral |
| 2 | Clinic Referral |
| 3 | HMO Referral |
| 4 | Transfer from a hospital |
| 5 | Transfer from a Skilled Nursing Facility (SNF) |
| 6 | Transfer from another health care facility |
| 7 | Emergency Room |
| 8 | Court/Law Enforcement |
| 9 | Not Available |
| 10 | Transfer from critial access hospital |
| 11 | Normal Delivery |
| 12 | Premature Delivery |
| 13 | Sick Baby |
| 14 | Extramural Birth |
| 15 | Not Available |
| 17 | NULL |
| 18 | Transfer From Another Home Health Agency |
| 19 | Readmission to Same Home Health Agency |
| 20 | Not Mapped |
| 21 | Unknown/Invalid |
| 22 | Transfer from hospital inpt/same fac reslt in a sep claim |
| 23 | Born inside this hospital |
| 24 | Born outside this hospital |
| 25 | Transfer from Ambulatory Surgery Center |
| 26 | Transfer from Hospice |
|  |  |
| **Race** | **description** |
| 0 | ? |
| 1 | AfricanAmerican |
| 2 | Asian |
| 3 | Caucasian |
| 4 | Hispanic |
| 5 | Other |
|  |  |
| **Gender** | **description** |
| 1 | Female |
| 2 | Male |
| 3 | Unknown/Invalid |
|  |  |
| **Age** | **description** |
| 1 | [0-10) |
| 2 | [10-20) |
| 3 | [20-30) |
| 4 | [30-40) |
| 5 | [40-50) |
| 6 | [50-60) |
| 7 | [60-70) |
| 8 | [70-80) |
| 9 | [80-90) |
| 10 | [90-100) |
|  |  |
| **A1Cresult** | |
| 0 | None |
| 1 | Norm |
| 2 | >7 |
| 3 | >8 |
|  |  |
| **Max\_glu\_serum** | |
| 0 | None |
| 1 | Norm |
| 2 | >200 |
| 3 | >300 |
|  |  |
|  |  |
| **All lab test results: Column(V:AT)** | |
| 1 | No |
| 2 | Steady |
| 3 | Down |
| 4 | Up |
|  |  |
| **Change** | **description** |
| 1 | No |
| 2 | Changes |
|  |  |
| **diabetesMed** | |
| 1 | No |
| 2 | Yes |
|  |  |
| **readmitted** | |
| 1 | No |
| 2 | <30 |
| 3 | >30 |