

Emergency Department Data Model Data Set (MDS) for Public Health Departments and Officials

Patient Demographics

Data Element	Justification (Uses)
Age in years at service	To study health disparities by age group. To study pathology and outcomes pertinent to each age group. If date of birth provided these variables would not be necessary. Age-Specific/Age-Adjusted Calculations, Specialized Populations (Prop 10, etc. where projects apply to specialized age groups). Used to address childhood injury prevention, and to calculate age-adjusted hospitalization rates for comparisons across different populations (e.g. race/ethnic, geographic)
Age in days	To study health disparities by age group. To study pathology and outcomes pertinent to each age group. If date of birth provided these variables would not be necessary. To determine neonatal/Infant period. Used to examine newborn readmissions and analyze other infant health issues.
Patient's 5-digit ZIP Code	Used to identify neighborhoods. Grouped to form county sub-regions.
Homelessness Indicator	This variable can be used to identify persons experiencing homelessness.
Patient County Code	Used with other commonly collected county level data in determining countywide rates To see inflow and outflow of patient population.
Race	Used in health disparities studies.
Ethnicity	Used in health disparities studies.
Gender	Used in health disparities studies. Used to study gender specific cancers and other diseases.
Principal Language Spoken	In their mission of protecting the public's health, to meet the needs of their communities, will use to enhance public health operations specific to disease control.
Expected Principal Source of Payment	To see insured and uninsured patient population and access to health care. Identification of Public Funds; system burdens. Used to engage stakeholders, policymakers.
Disposition of Patient	Outcomes as to if more resources are required to sustain patient. Used to describe outcome.

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Facility Demographics

Data Element	Justification (Uses)
Facility ID Number	Surveillance, especially related to geographic areas. Source of Care Used to identify specific hospital
Facility County	Surveillance especially related to commonly collected county demographics. Resident tracking Used to identify county of occurrence
Facility's 5-digit ZIP Code	For utilization studies Surveillance. Identification of Service Area Used to identify neighborhood or region of occurrence
License Type	

Diagnostic/ Treatment Information

Data Element	Justification (Uses)
Service Day/Month/Year	Used to look at seasonal changes and operational changes.
Principal Diagnosis	Helps to study links in illness to possible causative factors. Study leading cause of hospitalization. Used to identify specific disease or condition.
Other Diagnoses	Helps to study links in illness to possible causative factors. Study secondary cause of hospitalization. Used to identify contribution of specific conditions to hospitalizations especially co-morbidities.
External Cause of Injury	Injury Prevention issues/reports.
Principal Procedure	To define treatment.
Other Procedures	Track other procedures considered significant

Enhancements

Data Element	Justification (Uses)
Record Linkage Number (RLN)	Needed to track duplicate patients.