



KENTUCKY TRAUMA REGISTRY (KTR)

Coordinator and Data Contact

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State Web Site:

<http://www.mc.uky.edu/kiprc/projects/trauma/index.html>

Sources of Information for the Database

In 2012, Kentucky administrative regulations (902 KAR 28:040) established a single statewide Kentucky Trauma Registry (KTR) with the Kentucky Injury Prevention and Research Center (KIPRC) designated as the statewide repository for trauma data. In October, 2012, the Kentucky Department for Public Health designated the first 10 hospitals as part of the Kentucky Trauma Care System: Level 1 adult trauma centers: University of Kentucky (UK) Chandler Medical Center (Lexington), University of Louisville Hospital (Louisville); Level 1 pediatric trauma centers: UK/Kentucky Children's Hospital (Lexington), Norton's Kosair Children's Hospital (Louisville); Level 3 trauma centers: Taylor Regional Hospital (Campbellsville), Ephraim McDowell Regional Hospital (Danville); and Level 4 trauma centers: Livingston County Hospital (Salem), Marcum & Wallace Hospital (Irvine), Ephraim McDowell Ft. Logan Hospital (Stanford), James B. Haggin Memorial Hospital (Harrodsburg). Designated hospitals submit data to the KY Trauma Registry. In addition, a few new facilities in the process of seeking designation as trauma centers also submitted data to the statewide trauma registry in 2012. These facilities were Crittenden County Hospital, Frankfort Regional Medical Center, Harrison Memorial Hospital, Owensboro Medical Center, Pikeville Medical Center, Spring View Hospital, St. Joseph Berea, and Trigg County Hospital. KIPRC has an important role in synthesizing and analyzing statewide trauma registry data and producing statewide trauma registry reports.

The Kentucky Trauma Registry is currently funded by the Kentucky Transportation Cabinet to expand the Kentucky Trauma Registry by adding new trauma facilities, in order to improve the completeness of the Kentucky traumatic injury data.

Description of the Data Collected

Trauma registry data include hospital name, patient gender, sex, date of birth, race, county of injury and residence, zip code, date and time of injury, arrival, and discharge, referring hospital, E-code, Injury Severity Score (ISS), Glasgow Coma Score (GCS), trauma score, Revised Probability of Survival (RPS), Blood Alcohol Level (ETOH), ICD-9 codes, length of stay, number of ICU days, and disposition.

Strengths of the Data

The Kentucky Trauma Registry provides a rich database that includes Kentuckians who incur serious traumatic injury and are cared for in the state's verified facilities. It supports the identification of areas in which the state deviates from national norms regarding traumatic injury incidence, characteristics, and care.

Specific Uses of Information

Trauma registry data are used for trauma system planning, informing legislative initiatives, and identification of areas in which additional activity is necessary.

System Evaluation

The data collection is routinely monitored utilizing quality control standards developed by CDC. Evaluation of quality is determined through quarterly and annual reports of these performance standards.

Data Limitations

There is one important limitation that keeps the trauma registry from achieving its full potential. It only includes data from facilities that are either American College of Surgeons (ACOS)-verified or self-designated trauma centers. It is clear that serious trauma is also cared for at many other general acute care facilities across the state that do not elect to pursue ACOS-verified status. The trauma registry, therefore, does not provide as complete an account of traumatic injury in Kentucky as it would if reporting were spread across a larger group of facilities.

Data Set Availability

Kentucky Trauma Registry data sets are not generally available. Requests for data summary and reports should be addressed to Svetla Slavova at KIPRC.

Data Release Policy

Spreadsheet versions of Kentucky Trauma Registry (KTR) data are available upon request from the Kentucky Injury Prevention and Research Center (KIPRC) at the University of Kentucky College of Public Health. Summary KTR data can be made available to appropriate research agencies through submission of a formal request to KIPRC. Each request should identify the requesting organization, purpose of research, proposed methodology to be employed and publication plan. On a case by case basis, KIPRC reviews the request and obtains additional information as needed. KIPRC and the research team agree upon a collaboration plan which will include schedule, methods, analysis, reporting, and publication of the study. Upon review and agreement of the study plan, KIPRC may approve the request for data. Reports using KTR data cannot identify any individual patient or hospital.

Data Publications

Detailed reports, profiling the traumatic injuries treated in Kentucky trauma facilities, are available at <http://www.mc.uky.edu/kiprc/projects/trauma/index.html>.

Suggested Data Citation

Slavova SS, Costich JF, Kentucky Trauma Registry Report 2012, Kentucky Injury Prevention and Research Center, Lexington, KY, 2013

Slavova SS, Costich JF, 2011 Kentucky Inpatient and Emergency Department Traumatic Injury Data Report, Kentucky Injury Prevention and Research Center, 2012

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