

Kentucky Trauma Data Bank (KTDB)

Coordinator:

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State Website: <https://kiprc.uky.edu/programs/kentucky-trauma-data-bank>

What is the KTDB?

- In 2012, 902 KAR 28:040 established a single statewide Kentucky Trauma Registry (KTR) with KIPRC designated as the statewide repository for trauma data.
 - It was renamed the Kentucky Trauma Data Bank in 2023 to reflect the fact that is not a true registry and to be consistent with the nomenclature of the American College of Surgeons' (ACOS) National Trauma Data Bank.
- Funded by the National Highway Traffic Safety Administration through the Kentucky Transportation Cabinet to support annual and ad-hoc reports using registry data and reporting system activation for new trauma facilities.
- There are 24 Kentucky hospitals designated and verified or in the process of designation as trauma centers in Kentucky.
 - Please see Appendix C for a list of designated trauma centers.

Why is it used?

- Trauma system planning.
- To Inform legislative initiatives.
- Identification of areas in which additional activity is necessary.

What data is collected?

- Hospital name and if relevant, the referring hospital.
- Patient gender, date of birth and race.
- Country of injury, residence and zip code.
- Date and time of injury, arrival, and discharge.
- External cause of injury code, or E-code.
- Injury Severity Score (ISS), Glasgow Coma Score (GCS) and trauma score when relevant.
- Revised Probability of Survival (RPS).
- Blood Alcohol Level (ETOH).
- ICD-10 codes.
- Length of stay and number of ICU days.
- Disposition.



How is data collected?

- Data is submitted from various designated trauma centers that are listed in Appendix C.

Data Strengths:

- Provides a robust database that includes Kentuckians who incur serious traumatic injury that are cared for in the state's verified facilities.
- Supports the identification of areas in which the state deviates from national norms regarding traumatic injury incidence, characteristics and care.

Data Limitations:

- KTDB only includes data from facilities that are either ACOS-verified, state-verified Level IV centers, or those preparing for initial verification.
 - There are other centers that provide trauma care that are not represented in KTDB.
- Data must be de-identified, so repeat visits by the same patient are not identifiable.
- Some Kentucky residents living on state borders seek out-of-state treatment due to location, and KTDB has no way of obtaining that data.

How is the system evaluated?

- Data collection is routinely monitored utilizing quality control standards developed by the CDC and National Highway Traffic Safety Administration (NHTSA).
- Evaluation of quality is determined through monthly and annual reports of performance standards.

Data Set Availability:

- Raw data is not available to the public.
- Spreadsheet versions of KTDB data are available upon request from KIPRC.

Data Release Policy:

- KIPRC reviews data requests on a case-by-case basis and obtains additional information as needed.
- KIPRC and the research team will discuss and agree on a collaboration plan which will include schedule, methods, analysis, reporting and publication of the study.
- Reports using KTDB data cannot identify any individual patient or hospital.

Data Publications

- Detailed reports profiling the traumatic injuries treated in Kentucky trauma facilities are available at the website listed above.

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