Handling Data Requests
A State Perspective

Safe States Conference
Thursday, April 30, 2015

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• Beth Hume, Massachusetts Department of Public Health
Poisoning in Kansas - November 2012

Poisoning injuries occur due to a myriad of substances that include: (1).

Kansas Department of Health and Environment: Core Injury

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Poisoning - Kansas Department of Health & Environment

This document is intended to give.
Injury Planning & Data

Files linked from this page require the Adobe Acrobat Reader® plug-in. For assistance, please contact Adobe Systems, Inc.®.

Special Emphasis Reports

- Infant and Early Childhood Injury, 2012
- Traumatic Brain Injury 2012

New Data Fact Sheets - December 2014

- Poisoning
- Suicide Injuries
- Drowning
- Falls
- Fire and Burn
- Motor Vehicle Crashes

Drowning in Kansas

- Drowning in Kansas - March 2014

Poisoning in Kansas

- Poisoning in Kansas - November 2012
1,720 Deaths (2009-2013)
13,587 Hospital Discharges (2008-2012)
24,248 Emergency Department Visits (2008-2012)

Poisoning Injury Severity
The more than 1,700 deaths that resulted from poisonings between 2009 and 2013 represent only a fraction of poisoning injuries in Kansas. For every poisoning death in Kansas, during 2008 to 2012, there were approximately 8 times as many poisoning hospital discharges (HD) and 14 times as many poisoning emergency department visits (EDV).

Poisoning Intent
The distribution of poisoning by intent varies across the three databases. Poisoning related emergency department visits and deaths are predominately unintentional while poisoning HDs are predominately due to suicide and suicide attempts.

Key:
Unintentional
Suicide
Undetermined/Other/Homicide

EDVs (2008-2012)
HDs (2008-2012)
1,720 Deaths (2009-2013)  
13,587 Hospital Discharges (2008-2012)  
24,248 Emergency Department Visits (2008-2012)

Poisoning Injury Severity  
The more than 1,700 deaths that resulted from poisonings between 2009 and 2013 represent only a fraction of poisoning injuries in Kansas. For every poisoning death in Kansas, during 2008 to 2012, there were approximately 8 times as many poisoning hospital discharges (HD) and 14 times as many poisoning emergency department visits (EDV).
Death Statistics

Death Statistics KIC allows you to create statistics on Kansas resident deaths (see resideny definition) by cause, year, age-group, sex, race, Hispanic origin, and county. Select row and column variables to define the table of results. Use filters in optional step 2 to limit results. The most current year for Death Statistics KIC is 2013. Click here for Zip Code death statistics. See the Death Statistics Notes and Limitations for more information on this dataset and how it was prepared. Also, provisional (rolling 12 months) death information is available for viewing and comparison.

**STEP 1**

Choose the variables you want in your table.

**Rows:**
- Year
- Age Group
- Race
- Sex
- Hispanic Origin
- Cause of Death
- County

**Columns:**
- Year
- Age Group
- Race
- Sex
- Hispanic Origin
- Cause of Death
- County

**STEP 2 - OPTIONAL**

Certain variables can be limited in your search.

- Hispanic
- Non-Hispanic
- All

Race:
- All

Sex:
- All
- Both Sexes

**STEP 3**

Which year(s) would you like to include in your query?

- 1990
- 1991
- 1992
- 1993
- 1994
- 1995
- 1996
- 1997
- 1998
- 1999
- 2000
- 2001
- 2002
- 2003
- 2004
- 2005
- 2006
- 2007
- 2008
- 2009
- 2010
- 2011
- 2012
- 2013

All Years
Clear All

**STEP 4**

Select State, County, or Region. Then make the selection(s) within the category. Note: To select multiple counties, pick a county, then use the control key and pick the additional counties. You can only select one region.

By State
By County
By Health Preparedness Region
By Geographic Region

State of Kansas
STEP 5

Select which 'Cause of Death' you wish to view from the following list. If you have selected 'Cause of Death' as your row variable, you may select multiple procedures by holding down the control key and selecting the ones you want with the mouse pointer.

- Conditions of perinatal period (early infancy)
- Sudden Infant Death Syndrome (SIDS)
- Motor vehicle accidents
- All other accidents & adverse effects
- Suicide
- Homicide
- Other external causes
- Other causes
Handling Data Requests

- Consider existing resources
  - Is requested data already in reports, fact sheets, etc.?
  - Are resources accessible to your audience?
- Identify frequently occurring requests
  - Comparisons (by age/sex, geography, year, etc.)
  - Causes of injury
  - Costs of injury
- Consider audience’s background
  - Don’t assume familiarity with statistics, data interpretation, terminology and jargon
Handling Data Requests

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Huh?
Handling Data Requests

- Develop template for charts and descriptive text
  - Web-based queries, SAS code, etc.
  - Reading up on information design helps!
    - *Show Me the Numbers* – Stephen Few, 2004
    - *Presenting Data Effectively* – Stephanie Evergreen, 2014
ED visits for self-inflicted injuries per 10,000 population by age and sex; Beaver, Iron, Sevier, and Washington Counties; 2011-2013

ED Charges

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<td>2012</td>
<td>$416,926.00</td>
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<tr>
<td>2013</td>
<td>$411,941.00</td>
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Total $1,033,421.00
Average $344,473.67
Beaver, Iron, Sevier, and Washington Counties

Suicide Fatalities

While Beaver County had the highest suicide rate of the five included in this report, its rate was not significantly different from the other four counties.

Suicide fatalities per 100,000 population ages 10+, Iron, Washington, Sevier, and Beaver Counties, 2011-2013

The suicide rate of the combined counties has increased since 2009, but is not significantly higher than the state rate.

Suicide fatalities per 100,000 population ages 50+, Iron, Washington, Sevier, and Beaver Counties and Utah; 1999-2013

Males had higher suicide rates than females in every age group; their rates were significantly higher in the 15-24, 35-64, and 65+ age groups.

Suicide fatalities per 100,000 population by age and sex: Beaver, Iron, Sevier, and Washington Counties; 2011-2013

*estimate does not meet UDSM standard for reliability; interpret with caution
**rate suppressed due to number of deaths <5

Two thirds of suicide fatalities involved a firearm; poisoning was the next leading cause of suicide death.

Suicide fatalities by means; Ages 10+; Beaver, Iron, Sevier, and Washington Counties; 2011-2013

- Firearm 56%
- Suffocation 15%
- Poisoning 15%
- Other 1%
Keeping Track of Your Hard Work:

Data Requests

1) Start by filling out request form

2) The form includes basic sections:
   - Requestor information (who’s asking, where are they from, what are they asking for)
   - Data sets used (death file, hospital discharges, emer. dept. data, other)
   - Cause and intent of injury (plus other details)

3) Other sections:
   - Purpose of the request
   - Length of time to complete
# Injury Surveillance Program
## Data Requestor Form

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</table>

**Name of original requestor:**

**Organization:**

**Phone:**

**Email:**

**Amount of time spent in completing request:**

- [ ] < 1 hour
- [ ] 1 week
- [ ] 1 – 3 hours
- [ ] > 1 week and < 1 month
- [ ] 3 – 7.5 hours
- [ ] > 1 month
- [ ] > 1 day and < 1 week
- [ ] Other:

**Custom Data Extraction** (check all that apply):

- [ ] All intents
- [ ] Assault
- [ ] Unintentional
- [ ] Self-inflicted

**Cause 1:**

**Cause 2:**

**Cause 3:**

**Data Sets Used** (check all that apply):

- [ ] DEATHS
- [ ] MAVDR
- [ ] BRFSS
- [ ] HDD
- [ ] WRISS
- [ ] YRBS
- [ ] EDD
- [ ] OBS
- [ ] Other:

**Data QA?**

- [ ] YES
- [ ] NO

**Description:**

**Other Details & Comments:**

**Purpose of request:**

- [ ] Needs Assessment
- [ ] Grant Proposal
- [ ] Education/Outreach
- [ ] Article
- [ ] Research
- [ ] Legislative
- [ ] Student work
- [ ] Other:

**Office Use:**

- [ ] Entered into DB
- [ ] Other:

**File Name/Location:**

**Request made by:**

- [ ] Internal Program
- [ ] Student
- [ ] Private Non-profit
- [ ] Legislator
- [ ] Journalist
- [ ] Educator/School
- [ ] Other:

**Referred to ISP by:**

- [ ] DPH Staff:
- [ ] Internet/Website
- [ ] MassCHIP
- [ ] N/A (Previous contact)
- [ ] Other:

**Request is:**

- [ ] Custom Data Analysis
- [ ] Technical Assistance
- [ ] Previously-run data
- [ ] Other:

Type of Agency?

Purpose?

Time spent on Request?

Data Extracted?

Cause, intent, & data sets used
Screen Shot of Requestor Database

Data Request and Dissemination Form

Requestor Information
- First Name
- Last Name
- Agency/Org:
- Phone:
- Email:
- Request by:
- Other:

Record #: 368
- Date:
- Need by:
- Completed:
- Filled by 1:
- Filled by 2:
- Filled by 3:
- Referral Catgy:
- Referred_by:

Purpose of Request
- Request Is:
- Purpose Is:

Custom Data Analysis
- Injury Intent 1:
- Injury Intent 2:
- Injury Intent 3:
- Cause1:
- Cause2:
- Cause3:
- Other cause:
- Data File 1:
- Data File 2:
- Data File 3:
- Other Files:
- Data QA?:
- QA_by?:
- Time Spent:
- File Name/Location:

Description Notes/Comments
- Other Distribution:

• Drop down menus for selected items

QC required?
File location
Sent via Email
Using the Requestor Database
preparing grants, reports, activity assessments

- In past 6-month period – there were **82** recorded data requests in the database
- 29% of requests were from internal programs such as our Bureau of Substance Abuse Services, Suicide Prevention Program, and Commissioners Office
- 16% were other state agencies & legislative work groups
- 21% requested data on motor vehicle injury; 17% on opioid poisonings; and 11% on TBI
- We disseminated our TBI and injury reports electronically – to 38 distribution lists one of which was our IP community group (>100)
- 39% of requests took 1-3 hours to complete; 30% took 3-7.5 hrs. (~6% took more than 1 week)
- Could expand to include information on BIC activities, etc.
Questions?

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- Elizabeth Brutsch: ebrutsch@utah.gov
- Beth Hume: beth.hume@massmail.state.ma.us

Safe States Conference
Thursday, April 30, 2015