Comparing State and National Injury Statistics
Examples from Colorado

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Injury Deaths and Hospitalizations

Deaths
- National Vital Statistics System
  www.cdc.gov/nchs/nvss.htm
  WONDER, WISQARS

Hospitalizations
- National Hospital Discharge Survey
  www.cdc.gov/nchs/nhds.htm
- AHRQ HCUPNet (Nationwide Inpatient Sample, NIS)
  hcupnet.ahrq.gov/
Purpose of the Study

Compare NHDS and HCUPNet for national estimates of injury hospitalizations

Compare Colorado to national estimates
National Estimates for Injury Hospitalizations

2006 National Hospital Discharge Survey

This report presents the most current nationally representative data on hospital stays involving injuries. The injuries are defined as any trauma or disease that results in hospitalization. The data are from the National Hospital Discharge Survey (NHDS), the longest continuously running nationally representative survey of hospital utilization.

The NHDS data are collected by the National Center for Health Statistics (NCHS) and provide information on the characteristics of hospital stays, including the number of stays, the length of stay, and the cause of the stay. The data are collected using a probability sample of hospitals, and the results are representative of the U.S. population.

The NHDS data are available in several formats, including tables, charts, and graphs, and can be accessed through the NCHS website. The data are also used to support research and policy decisions related to hospitalization and injury prevention.
## ICD-9-CM Diagnosis Codes

<table>
<thead>
<tr>
<th>Category</th>
<th>ICD-9-CM</th>
</tr>
</thead>
<tbody>
<tr>
<td>All Injury and Poisoning</td>
<td>800-999</td>
</tr>
<tr>
<td>Injury</td>
<td>800-959, 990-995</td>
</tr>
<tr>
<td>Poisoning</td>
<td>960-989</td>
</tr>
<tr>
<td>Complications of med/surg care</td>
<td>996-999</td>
</tr>
<tr>
<td>Fractures, all sites</td>
<td>800-829</td>
</tr>
<tr>
<td>Fracture, neck of femur</td>
<td>820</td>
</tr>
</tbody>
</table>

First listed diagnosis only
### Comparison of National Estimates

Comparison of national estimates for injury discharges in 2006.

<table>
<thead>
<tr>
<th>Category</th>
<th>NHDS (Number in Thousands)</th>
<th>HCUPNet* (Number in Thousands)</th>
</tr>
</thead>
<tbody>
<tr>
<td>All Injury and Poisoning</td>
<td>2,968</td>
<td>2,873</td>
</tr>
<tr>
<td>Injury</td>
<td>1,785</td>
<td>1,632</td>
</tr>
<tr>
<td>Poisoning</td>
<td>271</td>
<td>270</td>
</tr>
<tr>
<td>Complications of med/surg care</td>
<td>912</td>
<td>970</td>
</tr>
<tr>
<td>Fractures, all sites</td>
<td>1,074</td>
<td>1,032</td>
</tr>
<tr>
<td>Fracture, neck of femur</td>
<td>330</td>
<td>304</td>
</tr>
</tbody>
</table>

*First listed diagnosis only*
Percent of All Hospital Discharges for Injury and Poisoning in 2006

<table>
<thead>
<tr>
<th>Category</th>
<th>NHDS</th>
<th>HCUPNet</th>
<th>Colorado</th>
</tr>
</thead>
<tbody>
<tr>
<td>Injury</td>
<td>60%</td>
<td>57%</td>
<td>60%</td>
</tr>
<tr>
<td>Poisoning</td>
<td>9%</td>
<td>9%</td>
<td>9%</td>
</tr>
<tr>
<td>Complication of med/surg care</td>
<td>31%</td>
<td>34%</td>
<td>31%</td>
</tr>
</tbody>
</table>
Percent of **All** Hospital Discharges for Injury and Poisoning in 2006

Fractures, all sites:
- NHDS: 36%
- HCUPNet: 36%
- Colorado: 39%

Fracture, Neck of Femur:
- NHDS: 11%
- HCUPNet: 11%
- Colorado: 10%
Hospital Discharges for Poisoning
Rate per 10,000 population by Age Group

<table>
<thead>
<tr>
<th>Age Group</th>
<th>All Ages</th>
<th>0-14</th>
<th>15-44</th>
<th>45-64</th>
<th>65+</th>
</tr>
</thead>
<tbody>
<tr>
<td>NHDS</td>
<td>9.1</td>
<td>2.6</td>
<td>12.5</td>
<td>9.8</td>
<td>6.9</td>
</tr>
<tr>
<td>Colorado</td>
<td>7.4</td>
<td>1.4</td>
<td>9.3</td>
<td>8.5</td>
<td>8.7</td>
</tr>
</tbody>
</table>

NHDS = National Hospital Discharge Survey
Colorado = Local Data
Hospital Discharges for **Femoral Neck Fracture**, Patients Age 65+
Rate per 10,000 population

- NHDS: 78.7
- HCUPNet: 71.5
- Colorado: 76.7
Average Hospital Length of Stay (days) for Femoral Neck Fracture, Patients Age 65+

- NHDS: 6.2 days
- HCUPNet: 6.2 days
- Colorado: 5.3 days
These results suggest that similar estimates for injury and poisoning hospital discharges can be obtained from NHDS and the HCUP National Inpatient Sample.

States can use these tools to compare their injury hospitalization rates with national estimates.
Thank You!

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