Integration of Accidental Drug Overdose Deaths Into the Utah Violent Death Reporting System

Anna Fondario, MPH
Utah Department of Health
Violence and Injury Prevention Program

Number of prescription opioid and motor vehicle crash deaths, Utah, 2000–2011
Number of prescription opioid and motor vehicle crash deaths, Utah, 2000–2011

<table>
<thead>
<tr>
<th>Year</th>
<th>Rx Opioid Deaths</th>
<th>MVC Deaths</th>
</tr>
</thead>
<tbody>
<tr>
<td>2000</td>
<td>60</td>
<td>317</td>
</tr>
<tr>
<td>2001</td>
<td>94</td>
<td>279</td>
</tr>
<tr>
<td>2002</td>
<td>138</td>
<td>301</td>
</tr>
<tr>
<td>2003</td>
<td>199</td>
<td>280</td>
</tr>
<tr>
<td>2004</td>
<td>217</td>
<td>298</td>
</tr>
<tr>
<td>2005</td>
<td>268</td>
<td>292</td>
</tr>
<tr>
<td>2006</td>
<td>281</td>
<td>296</td>
</tr>
<tr>
<td>2007</td>
<td>326</td>
<td>269</td>
</tr>
<tr>
<td>2008</td>
<td>289</td>
<td>268</td>
</tr>
<tr>
<td>2009</td>
<td>272</td>
<td>227</td>
</tr>
<tr>
<td>2010</td>
<td>236</td>
<td>231</td>
</tr>
<tr>
<td>2011</td>
<td>246</td>
<td></td>
</tr>
</tbody>
</table>

Key Pharmaceutical Drug Bills
- H.B. 137
- H.B. 28
- S.B. 61

UTVDRS
- Suicide
- Homicide
- Other
- Undetermined
- Firearm

PPMP
- Accidental Drug

Undetermined Drug

Key Pharmaceutical Drug Bills
- H.B. 137
- H.B. 28
- S.B. 61
PPMP Drug Overdose Classification Methods

- Yearly OME death list
- Hand review
- Code drug related deaths by drug
- Compare data and resolve discrepancies

Limitations

- Unable to have quarterly data
- Unable to monitor any unusual patterns throughout year
- Time consuming
- Data collected limited to basic demographic variables
UTVDRS

- Monthly OME death list
- ~75% Undetermined
- Standardized data collection and coding
- Multiple sources

Limitations

- Drug overdose classification not as specific as PPMP
- Some of the UTVDRS variables did not have coding options for accidental drug overdose deaths
Barriers and Obstacles

- Consistent messaging
- Identifying and reconciling coding discrepancies
- Coding options for accidental drug overdose deaths
- Funding eliminated

Comparison Project

- To compare UTVDRS entries with hand-coded entries
  - How often they correspond
  - How often they disagree
  - What are the common disagreements

- Make a plan about how to get consistent data on drug deaths on a yearly basis
Methods

- 421 cases reviewed from each source
  - Cases from 2005–2009
  - Only undetermined NOS cases

- Categorized into groups:
  - Same information in both
  - UTVDRS different information provided

Results

<table>
<thead>
<tr>
<th>Category</th>
<th>N (421)</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Same information</td>
<td>252</td>
<td>60%</td>
</tr>
<tr>
<td>NVDRS different</td>
<td>117</td>
<td>27.8%</td>
</tr>
</tbody>
</table>
Program Description

- Variable definitions reconciled
- Training
  - Data collection procedures
  - Definitions
  - Data entry
  - Surveillance system navigation
- 2005–2010 accidental drug overdose deaths abstracted

Thank You

For more information please contact:
Anna Fondario
afondario@utah.gov
801–538–6201