Child Death Review

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Facebook and Twitter
MCHB Vision for the Integrated Fatality Review and Prevention Center

• One coordinated data and technical support center that builds upon data collection and coordinated strategies to prevent fetal, infant, and child deaths while preserving unique components of these two diverse processes.

• Improvement in the quality and effectiveness of the CDR and FIMR processes and data collected.

• State and community CDR and FIMR programs use their data to design and propose changes to policy and practice which can reduce adverse maternal, infant, child, and adolescent outcomes.

• Dissemination of results nationally and increased availability and use of data to inform prevention efforts.
What We Do

1. Expand and support standardized data collection and quality improvement.
2. Provide leadership, training, and technical support to the FIMR and CDR programs.
3. Develop a centralized national network to coordinate and disseminate information and findings related to FIMR and CDR.
4. Facilitate the translation of recommendations from CDR and FIMR programs into action and practice.
The Web of Reviews

- Military Child Fatality Review
- Internal Child Welfare Agency Review
- State Child Fatality Review
- Citizen Review Panel
- Regional Child Fatality Review
- Local Child Fatality Review
- Fetal & Infant Mortality Review
- Domestic Violence Fatality Review
- Military Domestic Violence Fatality Review

The National Center for Fatality Review and Prevention
Essential Elements of Review

- Multi-disciplinary.
- Telling a story through the sharing of case information from multiple sources.
- Focused on improving systems and prevention of deaths; not culpability.
- Balance between individual cases and use of population data for trends.
CDR: Where the Good Shift Happens

Tell the story
Collect data
Take action
CDR IS...

An engaged, multidisciplinary community, telling a child’s story, one child at a time, to understand the causal pathway that leads to a child’s death to identify pre-existing vulnerabilities and circumstances- in order to identify how to interrupt the pathway for other children....

Local Team: Case Selection

Teams bring records to review

Case Review

Typically identified

Recommendations and Data Entry into National CDR-CRS

State Advisory Board

Local Action for Policy, Practice, Prevention

State Action for Policy, Practice, Prevention
Prevention

Improved agency systems

Improved identification, diagnosis and reporting

Improved communication

Review
Where are Teams?

- CDR in all 50 states and Washington DC
- ~1,350 local teams and 34 state teams
- Guam
- Military on Teams, DOD has own reviews
- Team on Navajo Nation. Some tribes participate in MT, MI, AZ, OK
# CDR Outcomes: 2005-2015

**Prevention Initiatives**  
*(Recommendation/Planning/Implementation)*

<table>
<thead>
<tr>
<th>Initiative</th>
<th>Frequency</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Parent education</td>
<td>6850</td>
<td>21.7</td>
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<tr>
<td>Media campaign</td>
<td>4535</td>
<td>14.4</td>
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<tr>
<td>Community safety project</td>
<td>3912</td>
<td>12.4</td>
</tr>
<tr>
<td>Agency policy/services</td>
<td>3818</td>
<td>12.1</td>
</tr>
<tr>
<td>Provider education</td>
<td>3106</td>
<td>9.8</td>
</tr>
<tr>
<td>School campaign</td>
<td>2858</td>
<td>9.1</td>
</tr>
<tr>
<td>Other education</td>
<td>1778</td>
<td>5.6</td>
</tr>
<tr>
<td>Public forum</td>
<td>1252</td>
<td>4.0</td>
</tr>
<tr>
<td>Other</td>
<td>3457</td>
<td>11.0</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>31566</strong></td>
<td><strong>100.0</strong></td>
</tr>
</tbody>
</table>

*Not mutually exclusive*
Outcomes from the Field

• Developed a joint committee with the Child Protection Accountability Commission on substance exposed infant training committee after seeing an increase in Opiate using Mothers in FIMR and CDR and MMR
• Tracked ACE scores in 2016 on all FIMR, CDR and MMR
• Partnered with a national restaurant chain who donated proceeds from calendar sales to purchase 112 car seats to be given away
• Improved media awareness of MVA due to a high number of deaths
• Coordinated with Highway Safety Coalition and promoted cross-attendance at reviews
• Distributed safety kits via first responders/EMS
• Passed laws requiring passengers in the backseat to be restrained
Building the System

- Developed by 30-person workgroup from 18 states over 2 years
- Analyzed variables from 32 existing state databases; developed standard data elements, data dictionary, and 33 standardized reports
- 5 major releases
  - 2005 - pilot phase in 19 states
  - 2008 - updated
  - 2010 - added module on Sudden Unexplained Infant Deaths (SUID)
  - 2013 - SUID version for all states; updates
  - 2015 - added module on Sudden Death in the Young
- Coming Soon April 2018 – adding larger FIMR module
Case Reporting System Features

• Web-based system with servers housed at MPHI Data Center
• Easy to use
• Comprehensive; prevention focused
• Enter, search, print, download data, and create standardized reports
• Extensive support
  – Senior Data Analysts meet with MPHI IT on weekly basis to discuss issues, modifications, future enhancements
  – Transaction tracking
  – National Center maintains Help desk (email, telephone)
  – Training site available to all users
• Data Use Agreement required to participate
• **FREE!!**
States Using the CDR-CRS, February 2018

N=45

- National CDR CRS
- Own System
- No System
By the Numbers: CDR-CRS

- On average 65 new cases entered per weekday
- Over 2100 authorized users
- Over 1350 CDR teams have recorded a death in the System
- More than 197,000 deaths have been entered
# CDR-CRS Paper Form

## CASE NUMBER

<table>
<thead>
<tr>
<th>State / County or Team Number / Year of Review / Sequence of Review</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Case Type:</th>
<th>Death</th>
<th>Near death/serious injury</th>
<th>Not born alive</th>
</tr>
</thead>
<tbody>
<tr>
<td>Death Certificate Number:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Birth Certificate Number:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ME/Coroner Number:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Date CDRT Notified of Death:</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

## A. CHILD INFORMATION

### 1. Child's name:
- First:  
- Middle:  
- Last:  
- □ U/K

### 2. Date of birth: □ U/K
- mm  
- dd  
- yyyy

### 3. Date of death: □ U/K
- mm  
- dd  
- yyyy

### 4. Age:
- Years  
- Months  
- Days  
- Hours  
- Minutes  
- U/K

### 5. Race, check all that apply:
- □ White  
- □ Native Hawaiian  
- □ Black  
- □ Pacific Islander, specify:  
- □ Asian, specify:  
- □ American Indian, Tribe:  
- □ Alaskan Native, Tribe:  
- □ U/K

### 6. Hispanic or Latino origin?
- □ Yes  
- □ No  
- □ U/K

### 7. Sex:
- □ Male  
- □ Female  
- □ U/K

### 8. Residence address: □ U/K
- Street:  
- Apt.  
- City:  
- State:  
- Zip:  
- County:  

### 9. Type of residence:
- □ Parental home  
- □ Relative home  
- □ Jail/detention  
- □ Licensed group home  
- □ Living on own  
- □ Other, specify:  
- □ Licensed foster home  
- □ Shelter  
- □ Relative foster home  
- □ Homeless  
- □ U/K

### 10. New residence in past 30 days?
- □ Yes  
- □ No  
- □ U/K

### 11. Residence overcrowded?
- □ Yes  
- □ No  
- □ U/K

### 12. Child ever homeless?
- □ Yes  
- □ No  
- □ U/K

### 13. Number of other children living with child:
- □ U/K

### 14. Child's weight:
- □ Pounds/ounces
- □ Grams/kilograms

### 15. Child's height:
- □ Feet/inches
- □ Cm
CDR-CRS Specific questions related to suicide deaths (Section I)

FOR SUICIDE

27. For suicide, select yes, no or u/k for each question. Describe answers in narrative.

<table>
<thead>
<tr>
<th></th>
<th>Yes</th>
<th>No</th>
<th>U/K</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>A note was left</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Child talked about suicide</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Prior suicide threats were made</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Prior attempts were made</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Suicide was completely unexpected</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Child had a history of running away</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Child had a history of self mutilation</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>There is a family history of suicide</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Suicide was part of a murder-suicide</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Suicide was part of a suicide pact</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Suicide was part of a suicide cluster</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

28. For suicide, was there a history of acute or cumulative personal crisis that may have contributed to the child’s despondency? Check all that apply:

- None known
- Suicide by friend or relative
- Physical abuse/assault
- Gambling problems
- Family discord
- Other death of friend or relative
- Rape/sexual abuse
- Involvement in cult activities
- Parents’ divorce/separation
- Bullying as victim
- Problems with the law
- Involvement in computer or video games
- Argument with parents/caregivers
- Bullying as perpetrator
- Drugs/alcohol
- Sexual orientation
- Argument with boyfriend/girlfriend
- School failure
- Religious/cultural issues
- Involvement with the Internet, specify:
- Breakup with boyfriend/girlfriend
- Move/new school
- Job problems
- Other, specify:
- Argument with other friends
- Other serious school problems
- Money problems
- Rumor mongering
- Pregnancy
CDR-CRS Suicide Data

Data download from 03/24/2017 - approved dataset for release, n=106,827 from 36 states 2004-2016

MANNER OF DEATH = SUICIDE
N=5,351

Data from 34 states from 2004-2016
Demographics (n=5,351)

By Age
- Ages 15 - 18: 68%
- Ages 10-14: 24%
- Age <10: 1%
- > 18 Years: 7%

By Race
- White: 78%
- African American: 11%
- Other: 5%
- Multi-racial: 2%
- Unk/Missing: 4%

By Sex
- Male: 73%
- Female: 27%

14.7% Hispanic or Latino origin
By Place (n=5,351)

**By Place of Incident**
- Child's home: 72%
- Relative's home: 3%
- Roadway: 3%
- Friend's home: 2%
- Other: 16%
- Unk/Missing: 4%

**By Type of Area**
- Urban: 30%
- Rural: 26%
- Suburban: 32%
- Frontier: 0%
- Unk/Missing: 12%
By Mechanism (n=5,351)

- Asphyxiation: 48%
- Weapon: 40%
- Poison: 5%
- Motor Vehicle: 2%
- Other: 5%
- Unknown/Missing: 0%
<table>
<thead>
<tr>
<th>CDR Cause of Death</th>
<th>Age &lt;10</th>
<th>Age 10-14</th>
<th>Age 15-18</th>
<th>Age &gt;18</th>
<th>Missing</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Asphyxia</td>
<td>28.0</td>
<td>737.0</td>
<td>1643.0</td>
<td>143.0</td>
<td>&lt;6.0</td>
<td>2556</td>
</tr>
<tr>
<td>Weapon</td>
<td>&lt;6.0</td>
<td>446.0</td>
<td>1488.0</td>
<td>168.0</td>
<td>&lt;6.0</td>
<td>2110</td>
</tr>
<tr>
<td>Poison</td>
<td>&lt;6.0</td>
<td>48.0</td>
<td>209.0</td>
<td>25.0</td>
<td>&lt;6.0</td>
<td>282</td>
</tr>
<tr>
<td>Motor Vehicle</td>
<td>&lt;6.0</td>
<td>10.0</td>
<td>100.0</td>
<td>14.0</td>
<td>&lt;6.0</td>
<td>125</td>
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<tr>
<td>Other/Missing</td>
<td>&lt;6.0</td>
<td>56.0</td>
<td>194.0</td>
<td>25.0</td>
<td>&lt;6.0</td>
<td>278</td>
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<tr>
<td>Total</td>
<td>36.0</td>
<td>1297.0</td>
<td>3634.0</td>
<td>375.0</td>
<td>9.0</td>
<td>5351</td>
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</table>

<table>
<thead>
<tr>
<th>CDR Cause of Death</th>
<th>Male</th>
<th>Female</th>
<th>Missing</th>
<th>Total</th>
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</thead>
<tbody>
<tr>
<td>Asphyxia</td>
<td>1685</td>
<td>858</td>
<td>&lt;6</td>
<td>2556</td>
</tr>
<tr>
<td>Weapon</td>
<td>1793</td>
<td>304</td>
<td>&lt;6</td>
<td>2110</td>
</tr>
<tr>
<td>Poison</td>
<td>122</td>
<td>159</td>
<td>&lt;6</td>
<td>282</td>
</tr>
<tr>
<td>Motor Vehicle</td>
<td>84</td>
<td>41</td>
<td>&lt;6</td>
<td>125</td>
</tr>
<tr>
<td>Other/Missing</td>
<td>198</td>
<td>78</td>
<td>&lt;6</td>
<td>278</td>
</tr>
<tr>
<td>Total</td>
<td>3882</td>
<td>1440</td>
<td>9</td>
<td>5351</td>
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</table>
### Other Factors (n=5,351)

<table>
<thead>
<tr>
<th>Factor (Question #)</th>
<th>Yes</th>
<th>%</th>
<th>No</th>
<th>%</th>
<th>Miss/Unk</th>
<th>%</th>
<th>Total</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hx of maltreatment as victim (A23)</td>
<td>1048</td>
<td>19.6</td>
<td>2016</td>
<td>37.7</td>
<td>2287</td>
<td>42.7</td>
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<tr>
<td>Open CPS case w/ child at time of death (A24)</td>
<td>242</td>
<td>4.5</td>
<td>3779</td>
<td>70.6</td>
<td>1330</td>
<td>24.9</td>
<td>5351</td>
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<tr>
<td>Placed outside of home prior to death (A25)</td>
<td>470</td>
<td>8.8</td>
<td>3059</td>
<td>57.2</td>
<td>1822</td>
<td>34.0</td>
<td>5351</td>
<td>100.0</td>
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<tr>
<td>Criminal or delinquent hx* (A28)</td>
<td>800</td>
<td>15.0</td>
<td>2328</td>
<td>43.5</td>
<td>2223</td>
<td>41.5</td>
<td>5351</td>
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</tr>
<tr>
<td>Spent time in juvenile detention* (A29)</td>
<td>251</td>
<td>4.7</td>
<td>2701</td>
<td>50.5</td>
<td>2399</td>
<td>44.8</td>
<td>5351</td>
<td>100.0</td>
</tr>
<tr>
<td>Prior disability or chronic illness(A20)</td>
<td>1213</td>
<td>22.7</td>
<td>2433</td>
<td>45.5</td>
<td>1705</td>
<td>31.9</td>
<td>5351</td>
<td>100.0</td>
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<tr>
<td>Used drugs or alcohol at incident* (D13)</td>
<td>933</td>
<td>17.4</td>
<td>2487</td>
<td>46.5</td>
<td>1931</td>
<td>36.1</td>
<td>5351</td>
<td>100.0</td>
</tr>
<tr>
<td>Hx of substance abuse*^ (A22)</td>
<td>1218</td>
<td>22.8</td>
<td>1763</td>
<td>32.9</td>
<td>2370</td>
<td>44.3</td>
<td>5351</td>
<td>100.0</td>
</tr>
</tbody>
</table>

*Not applicable inc in Miss/Unk category (3.3% for crim hx, 2.9% for juv det, 0.7% for used drugs/alcohol, 0.1% hx of sub abuse).

^Marijuana 14.0%; Alcohol 10.3%
# Mental Health (n=5,351)

<table>
<thead>
<tr>
<th>Factor (Question #)</th>
<th>Yes</th>
<th>%</th>
<th>No</th>
<th>%</th>
<th>Miss/Unk</th>
<th>%</th>
<th>Total</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rvd prior mh services* (A21)</td>
<td>1752</td>
<td>32.7</td>
<td>1218</td>
<td>22.8</td>
<td>2381</td>
<td>44.5</td>
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</tr>
<tr>
<td>Was receiving mh services* (A21)</td>
<td>1075</td>
<td>20.1</td>
<td>1654</td>
<td>30.9</td>
<td>2622</td>
<td>49.0</td>
<td>5351</td>
<td>100.0</td>
</tr>
<tr>
<td>Was on meds for mh illness* (A21)</td>
<td>924</td>
<td>17.3</td>
<td>1784</td>
<td>33.3</td>
<td>2643</td>
<td>49.4</td>
<td>5351</td>
<td>100.0</td>
</tr>
<tr>
<td>Issues prevented rcv mh services* (A21)</td>
<td>212</td>
<td>4.0</td>
<td>1781</td>
<td>33.3</td>
<td>3358</td>
<td>62.8</td>
<td>5351</td>
<td>100.0</td>
</tr>
</tbody>
</table>

*Not applicable included in Miss/Unk category (0.2% for rvd mh services, 0.2% for rv mh services, 0.3% meds, and 1.2% for issues).
<table>
<thead>
<tr>
<th>Spent time in Juvenile Detention (n=251)</th>
<th>Delinquent or Criminal History (and No to Juv Detention (n=324))</th>
</tr>
</thead>
<tbody>
<tr>
<td>• 82% Male</td>
<td>• 78% Male</td>
</tr>
<tr>
<td>• 79% Ages 15-18</td>
<td>• 75% Ages 15-18</td>
</tr>
<tr>
<td>• 61% White; 28% African American</td>
<td>• 80% White; 12% African American</td>
</tr>
<tr>
<td>• 67% History of substance abuse</td>
<td>• 57% History of substance abuse</td>
</tr>
<tr>
<td>• 44% Asphyxia mechanism; 41% Weapon mechanism</td>
<td>• 54% Asphyxia mechanism; 33% Weapon mechanism</td>
</tr>
</tbody>
</table>
Comparison of Suicide Risk Factors in Section I

- All Suicides vs Juv Detention vs Delinquent or Criminal Hx (and No=Juv Detention)

- Cell count is less in Risk Factor/Section I due to user training issue

<table>
<thead>
<tr>
<th>Risk Factor</th>
<th>All Suicide n=3,557 % - Yes</th>
<th>Juv Det n=182 % - Yes</th>
<th>Hx Crim (and No to Juv Det) n=244 % - Yes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Suicide was completely unexpected</td>
<td>40.3</td>
<td>34.1</td>
<td>39.8</td>
</tr>
<tr>
<td>Talked about suicide</td>
<td>36.8</td>
<td>50.5</td>
<td>46.7</td>
</tr>
<tr>
<td>Note was left</td>
<td>32.1</td>
<td>21.4</td>
<td>41.4</td>
</tr>
<tr>
<td>Prior suicide threats</td>
<td>30.5</td>
<td>45.6</td>
<td>40.6</td>
</tr>
<tr>
<td>Family discord</td>
<td>24.5</td>
<td>41.2</td>
<td>40.2</td>
</tr>
<tr>
<td>Argument w parent/caregiver</td>
<td>20.7</td>
<td>20.3</td>
<td>26.6</td>
</tr>
<tr>
<td>Prior suicide attempts</td>
<td>20.2</td>
<td>30.8</td>
<td>27.0</td>
</tr>
<tr>
<td>Break up w bf/gf</td>
<td>17.2</td>
<td>14.8</td>
<td>21.3</td>
</tr>
<tr>
<td>Drugs/alcohol</td>
<td>17.1</td>
<td>40.1</td>
<td>42.2</td>
</tr>
<tr>
<td>Hx of self mutilation</td>
<td>13.7</td>
<td>15.9</td>
<td>20.9</td>
</tr>
<tr>
<td>Argument w bf/gf</td>
<td>11.3</td>
<td>17.6</td>
<td>17.2</td>
</tr>
<tr>
<td>School failure</td>
<td>10.8</td>
<td>20.3</td>
<td>18.4</td>
</tr>
<tr>
<td>Parent divorce/separation</td>
<td>10.7</td>
<td>10.4</td>
<td>19.3</td>
</tr>
<tr>
<td>Other serious school problem</td>
<td>9.4</td>
<td>18.7</td>
<td>20.1</td>
</tr>
<tr>
<td>Problems w law</td>
<td>8.3</td>
<td>47.3</td>
<td>36.9</td>
</tr>
<tr>
<td>Bullying as victim</td>
<td>8.3</td>
<td>3.8</td>
<td>7.4</td>
</tr>
<tr>
<td>Hx of running away</td>
<td>7.4</td>
<td>25.3</td>
<td>17.2</td>
</tr>
<tr>
<td>No personal crises known</td>
<td>6.8</td>
<td>4.4</td>
<td>1.6</td>
</tr>
<tr>
<td>Family hx of suicide</td>
<td>6.1</td>
<td>6.6</td>
<td>9.0</td>
</tr>
<tr>
<td>Other death of friend or relative</td>
<td>6.0</td>
<td>7.7</td>
<td>9.8</td>
</tr>
<tr>
<td>Move/new school</td>
<td>5.4</td>
<td>6.6</td>
<td>4.9</td>
</tr>
<tr>
<td>Suicide by friend or relative</td>
<td>5.4</td>
<td>6.6</td>
<td>8.6</td>
</tr>
<tr>
<td>Rape/sexual abuse</td>
<td>5.0</td>
<td>7.7</td>
<td>10.2</td>
</tr>
<tr>
<td>Unknown</td>
<td>7.8</td>
<td>4.9</td>
<td>3.3</td>
</tr>
</tbody>
</table>
Opportunities for Partnership

• Coordinate and share data.
• Lend expertise to CDR team.
• Support each others activities.
• ???
For more information:
acollier@mphi.org or hdykstra@mphi.org