

Child Death Review

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MCHB Vision for the Integrated Fatality Review and Prevention Center

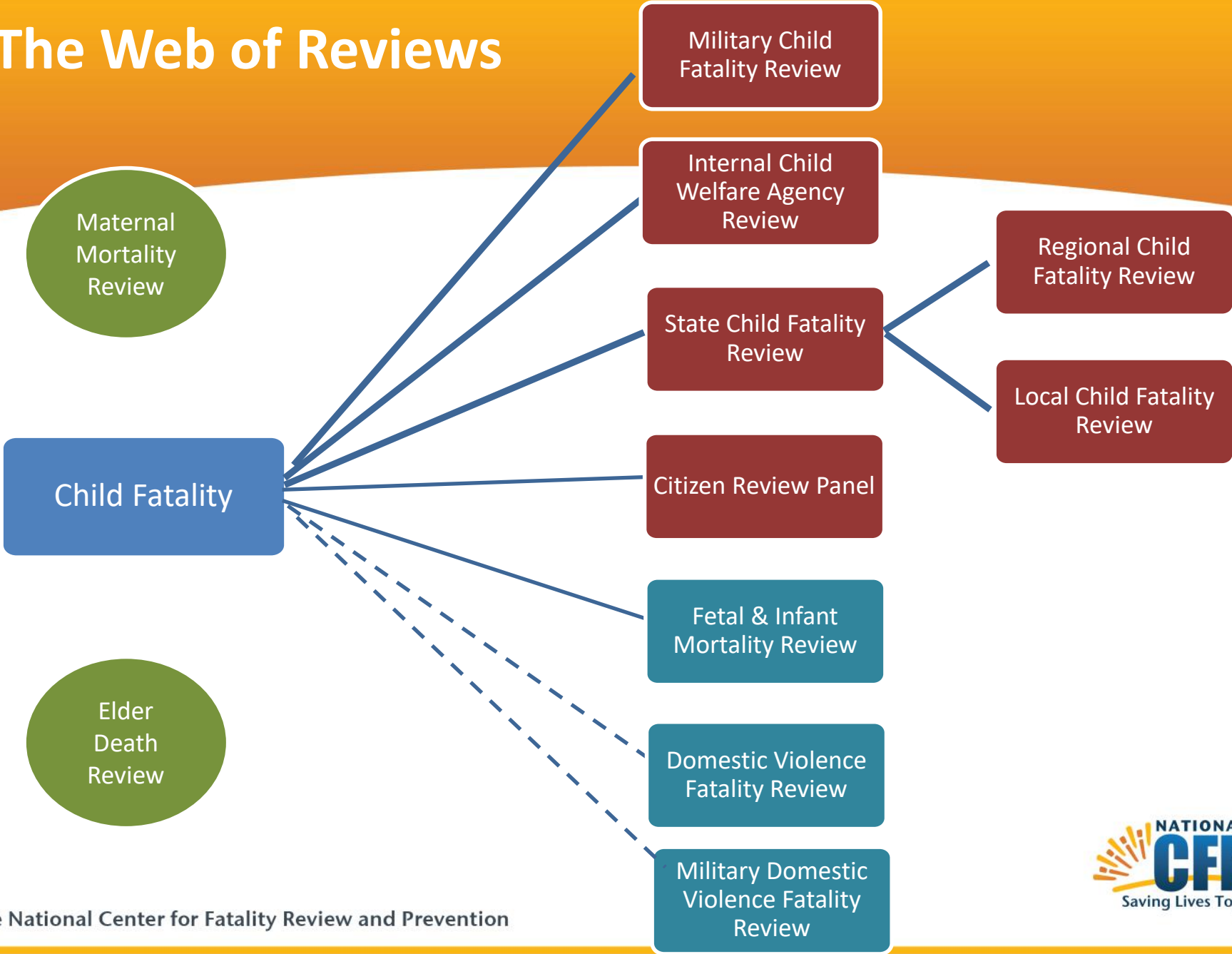
- One coordinated data and technical support center that builds upon data collection and coordinated strategies to prevent fetal, infant, and child deaths while preserving unique components of these two diverse processes.
- Improvement in the quality and effectiveness of the CDR and FIMR processes and 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

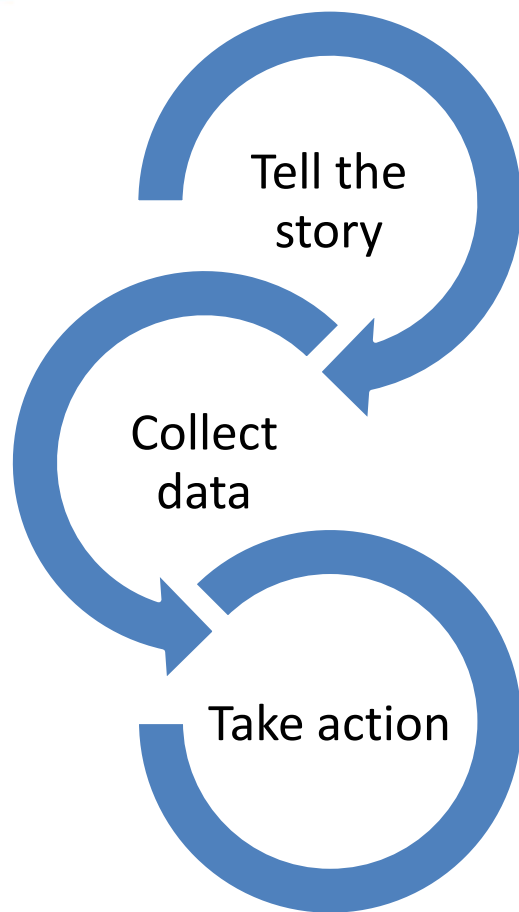


Essential Elements of Review

- 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



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....

Typically identified

Local Team: Case Selection

Teams bring records to review

Case Review

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)*

	Frequency	Percent
Parent education	6850	21.7
Media campaign	4535	14.4
Community safety project	3912	12.4
Agency policy/services	3818	12.1
Provider education	3106	9.8
School campaign	2858	9.1
Other education	1778	5.6
Public forum	1252	4.0
Other	3457	11.0
Total	31566	100.0

*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**



COURTESY: BRUNOCHETTI.COM

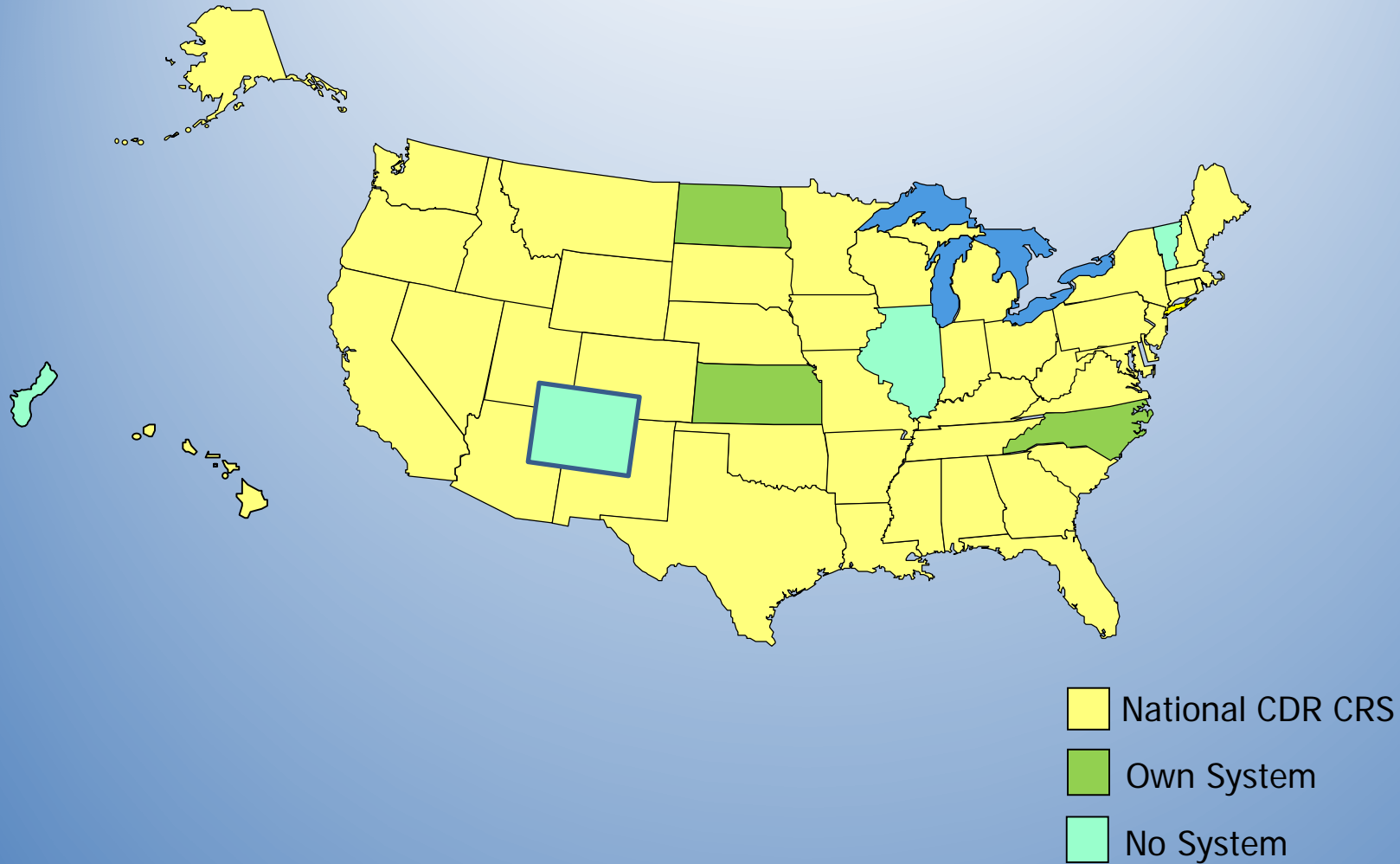
Case Reporting System Features

- 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



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

_____ State / County or Team Number / Year of Review / Sequence of Review	Case Type: <input type="radio"/> Death <input type="radio"/> Near death/serious injury <input type="radio"/> Not born alive	Death Certificate Number: Birth Certificate Number: ME/Coroner Number: Date CDRT Notified of Death:
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A. CHILD INFORMATION

1. Child's name: First: _____ Middle: _____ Last: _____ <input type="checkbox"/> U/K					
2. Date of birth: <input type="checkbox"/> U/K ____ / ____ / ____ mm / dd / yyyy	3. Date of death: <input type="checkbox"/> U/K ____ / ____ / ____ mm / dd / yyyy	4. Age: <input type="radio"/> Years <input type="radio"/> Months <input type="radio"/> Days <input type="radio"/> Hours <input type="radio"/> Minutes <input type="radio"/> U/K	5. Race, check all that apply: <input type="checkbox"/> U/K <input type="checkbox"/> White <input type="checkbox"/> Native Hawaiian <input type="checkbox"/> Black <input type="checkbox"/> Pacific Islander, specify: _____ <input type="checkbox"/> Asian, specify: _____ <input type="checkbox"/> American Indian, Tribe: _____ <input type="checkbox"/> Alaskan Native, Tribe: _____	6. Hispanic or Latino origin? <input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> U/K	7. Sex: <input type="radio"/> Male <input type="radio"/> Female <input type="radio"/> U/K
8. Residence address: <input type="checkbox"/> U/K Street: _____ Apt. _____ City: _____ State: _____ Zip: _____ County: _____		9. Type of residence: <input type="radio"/> Parental home <input type="radio"/> Relative home <input type="radio"/> Jail/detention <input type="radio"/> Licensed group home <input type="radio"/> Living on own <input type="radio"/> Other, specify: _____ <input type="radio"/> Licensed foster home <input type="radio"/> Shelter <input type="radio"/> Relative foster home <input type="radio"/> Homeless <input type="radio"/> U/K		10. New residence in past 30 days? <input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> U/K	
11. Residence overcrowded? <input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> U/K	12. Child ever homeless? <input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> U/K	13. Number of other children living with child: _____ <input type="checkbox"/> U/K	14. Child's weight: <input type="checkbox"/> U/K <input type="radio"/> Pounds/ounces ____ / ____ <input type="radio"/> Grams/kilograms _____	15. Child's height: <input type="checkbox"/> U/K <input type="radio"/> Feet/inches ____ / ____ <input type="radio"/> Cm _____	

16. Child's date of birth: _____ 17. Child's date of death: _____ 18. Child's date of review: _____ 19. Child's date of assessment: _____ 20. Child's date of follow-up: _____

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.

<u>Yes</u>	<u>No</u>	<u>U/K</u>		<u>Yes</u>	<u>No</u>	<u>U/K</u>	
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	A note was left	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Child had a history of self mutilation
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Child talked about suicide	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	There is a family history of suicide
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Prior suicide threats were made	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Suicide was part of a murder-suicide
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Prior attempts were made	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Suicide was part of a suicide pact
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Suicide was completely unexpected	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Suicide was part of a suicide cluster
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Child had a history of running away				

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:

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

CDR-CRS Suicide Data

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

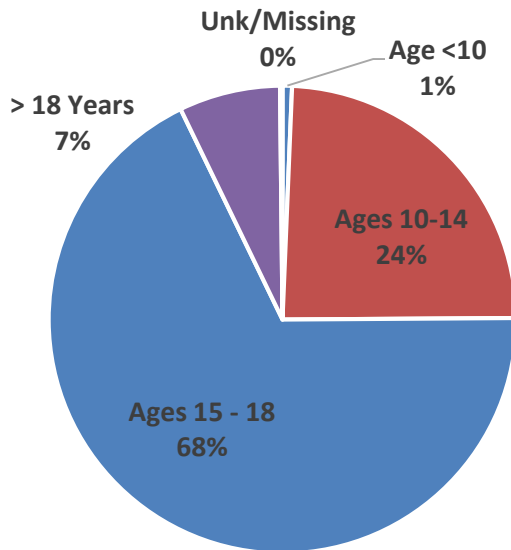
MANNER OF DEATH =
SUICIDE
N=5,351

Data from 34 states from 2004-
2016

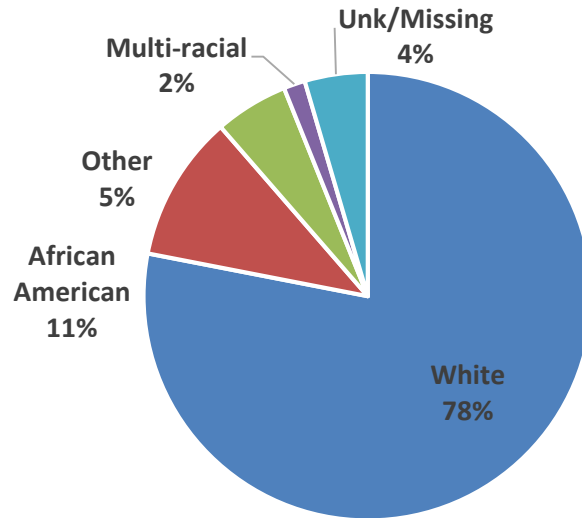


Demographics (n=5,351)

By Age

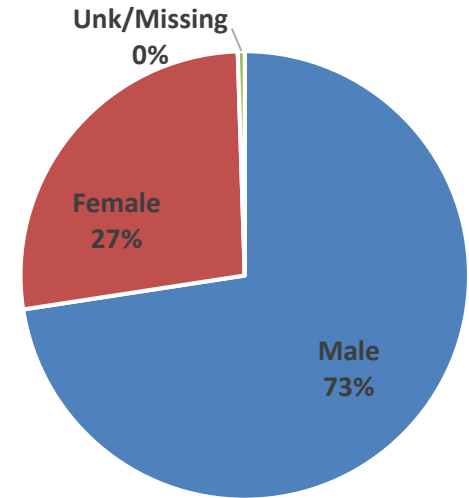


By Race



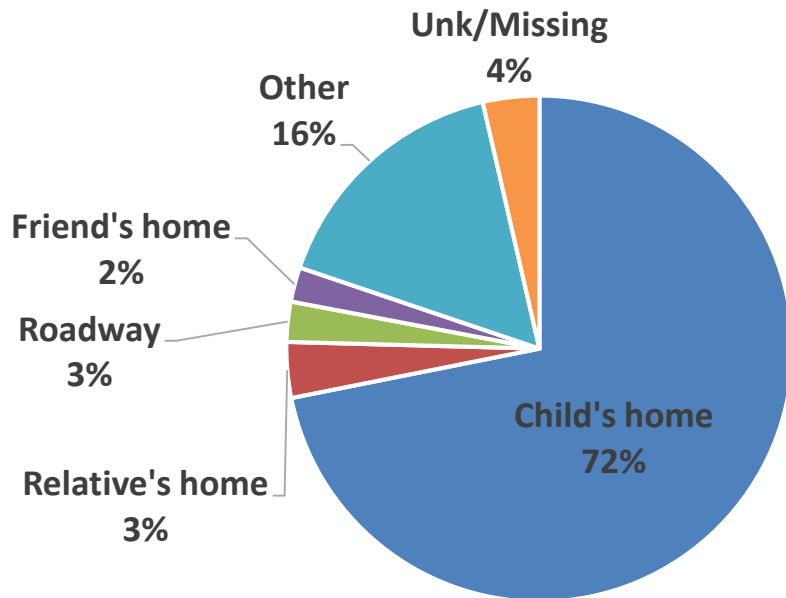
14.7% Hispanic or Latino origin

By Sex

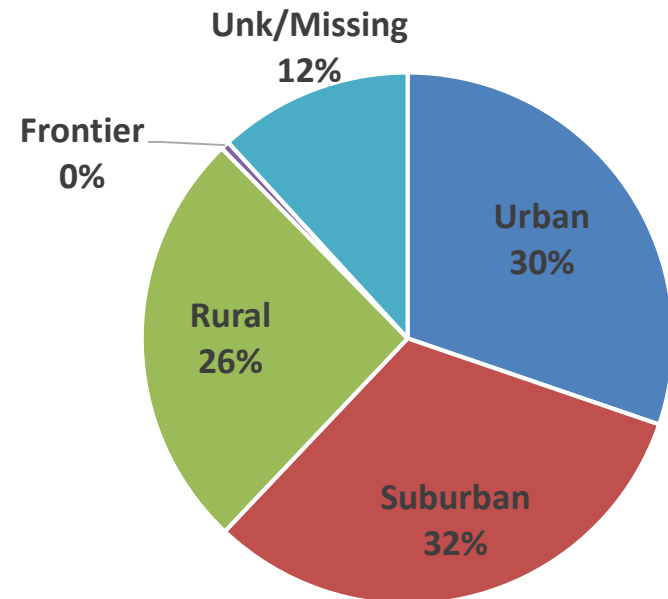


By Place (n=5,351)

By Place of Incident

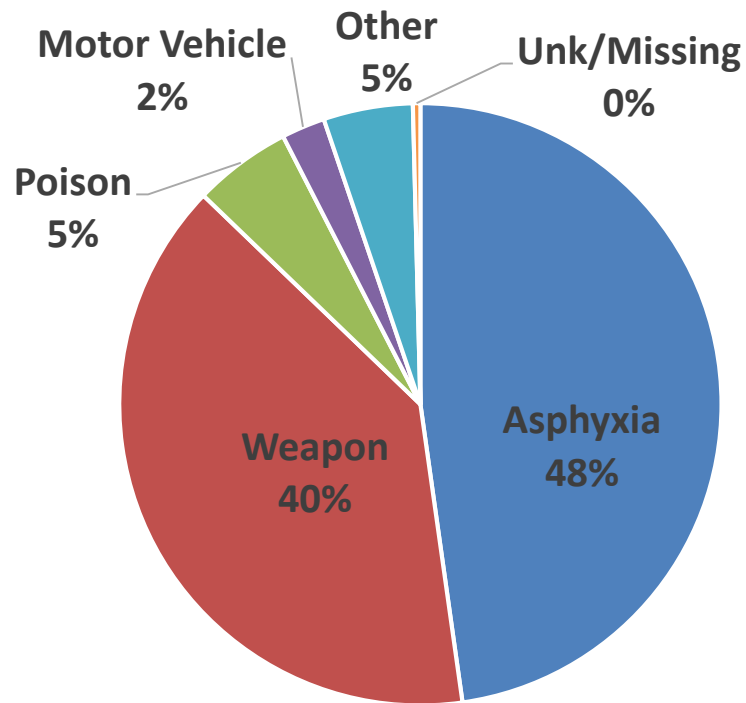


By Type of Area



By Mechanism (n=5,351)

By Mechanism



Mechanism by Age and Sex (n=5,351)

CDR Cause of Death by Age Category

	Age <10	%	Ages 10-14	%	Ages 15 - 18	%	Age >18	%	Missing	%	Total
Asphyxia	28	77.8	737	56.8	1643	45.2	143	38.1	<6		2556
Weapon	<6		446	34.4	1488	40.9	168	44.8	<6		2110
Poison	<6		48	3.7	209	5.8	25	6.7	<6		282
Motor Vehicle	<6		10	0.8	100	2.8	14	3.7	<6		125
Other/Missing	<6		56	4.3	194	5.3	25	6.7	<6		278
Total	36	100.0	1297	100.0	3634	100.0	375	100.0	9	100.0	5351

CDR Cause of Death by Sex

	Male	%	Female	%	Missing	%	Total
Asphyxia	1685	43.4	858	59.6	<6		2556
Weapon	1793	46.2	304	21.1	<6		2110
Poison	122	3.1	159	11.0	<6		282
Motor Vehicle	84	2.2	41	2.8	<6		125
Other/Missing	198	5.1	78	5.4	<6		278
Total	3882	100.0	1440	100.0	9	100.0	5351

Other Factors (n=5,351)

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

*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)

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

*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).



Spent time in Juvenile Detention (n=251)

- 82% Male
- 79% Ages 15-18
- 61% White; 28% African American
- 67% History of substance abuse
- 44% Asphyxia mechanism; 41% Weapon mechanism

Delinquent or Criminal History (and No to Juv Detention (n=324)

- 78% Male
- 75% Ages 15-18
- 80% White; 12% African American
- 57% History of substance abuse
- 54% Asphyxia mechanism; 33% Weapon mechanism

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

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

Opportunities for Partnership

- Coordinate and share data.
- Lend expertise to CDR team.
- Support each others activities.
- ???

For more information:

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