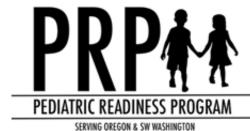
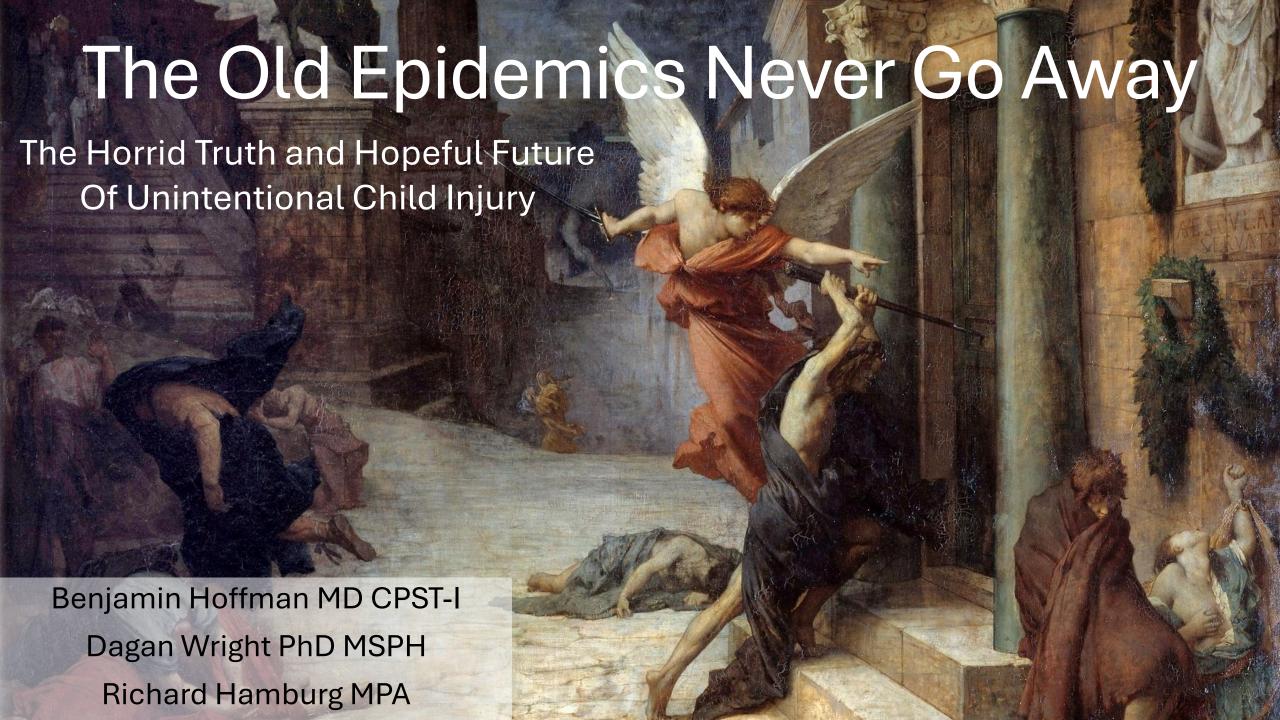
PEDIATRIC READINESS PROGRAM EDUCATION SESSION



THIS ACTIVITY HAS BEEN PLANNED AND IMPLEMENTED IN ACCORDANCE WITH THE ACCREDITATION REQUIREMENTS AND POLICIES OF THE ACCREDITATION COUNCIL FOR CONTINUING MEDICAL EDUCATION (ACCME) THROUGH THE JOINT PROVIDERSHIP OF LEGACY HEALTH AND OREGON EMERGENCY MEDICAL SERVICES FOR CHILDREN.

LEGACY HEALTH DESIGNATES THIS LIVE ACTIVITY FOR A MAXIMUM OF 1.0 AMA PRA CATEGORY 1 CREDIT(S)™. PHYSICIANS SHOULD CLAIM ONLY THE CREDIT COMMENSURATE WITH THE EXTENT OF THEIR PARTICIPATION IN THE ACTIVITY.

THE OLD EPIDEMICS NEVER GO AWAY: ADDRESSING THE EPIDEMIC OF UNINTENTIONAL INJURY AMONG CHILDREN



CME DISCLOSURE

None of the planners and faculty for this educational activity have relevant financial relationship(s) to disclose with ineligible companies whose primary business is producing, marketing, selling, reselling, or distributing healthcare products used by or on patients.



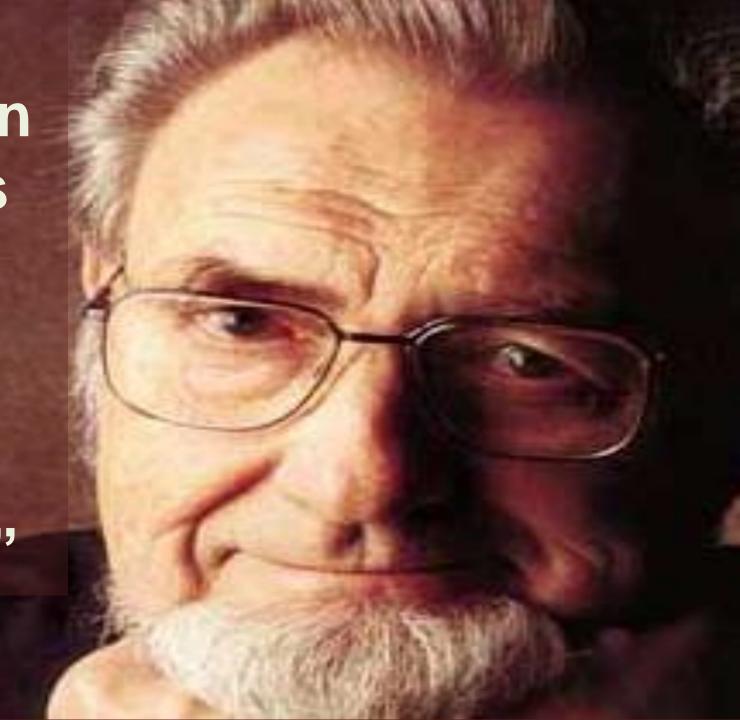








"If a disease were killing our children in the proportions that injuries are, people would be outraged and demand that this killer be stopped." C. Everett Koop MD **Former US Surgeon General**



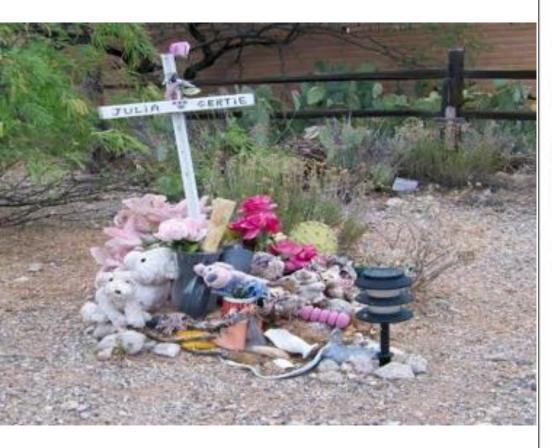


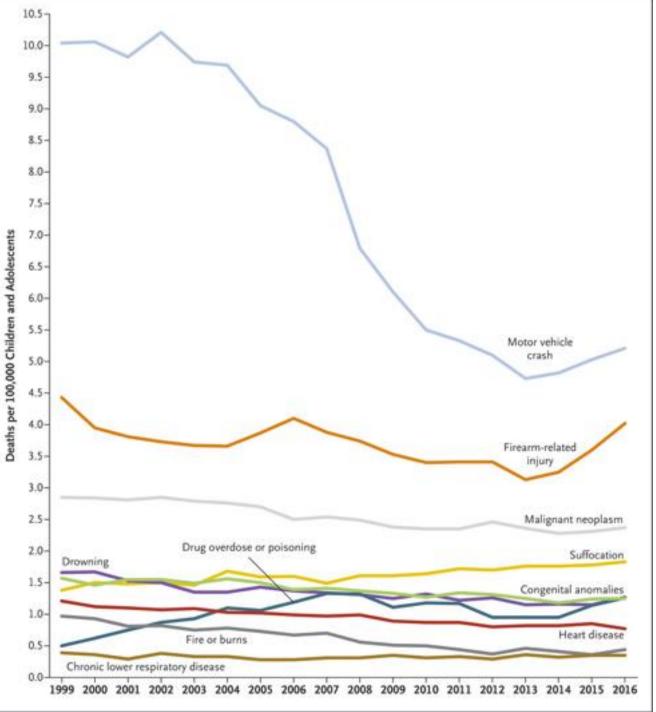
OBJECTIVES

- List the leading causes of child mortality in the US.
- Define advocacy as it applies to injury prevention.
- Discuss opportunities to engage in injury prevention at the community and policy change levels.

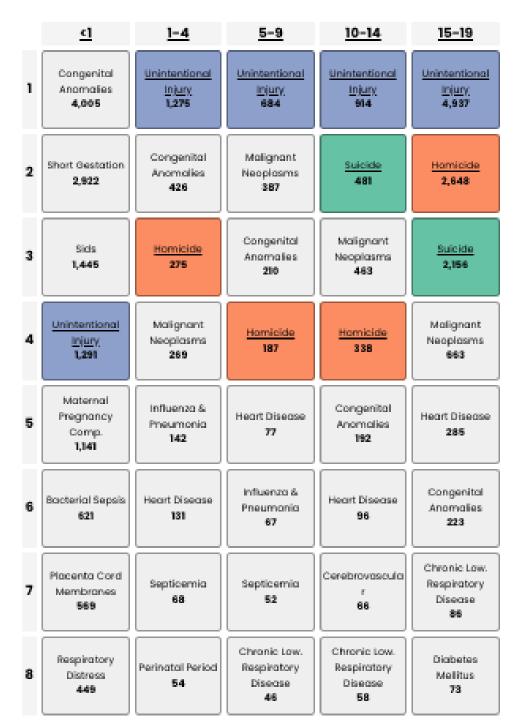


What Kills Kids in the U.S.?

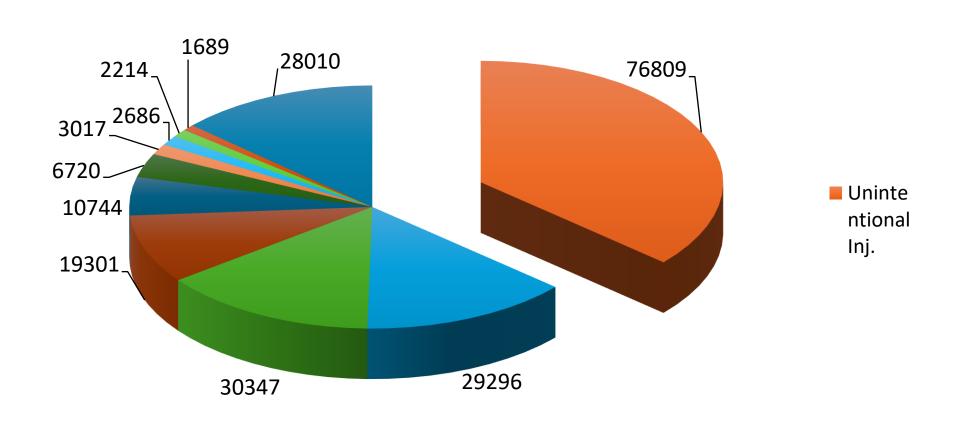




Leading Causes of Death for Children and Youth 2012-2022



Top 10 Causes of Death



Deaths 1-19 year 2013-2023

1-19

Unintentions Injury 76,809

> Homicide 30,147

Suicide 29,296

Malignant Neoplasms 19,301

> Congenital Anomalies 10,744

Heart Disease 6,720

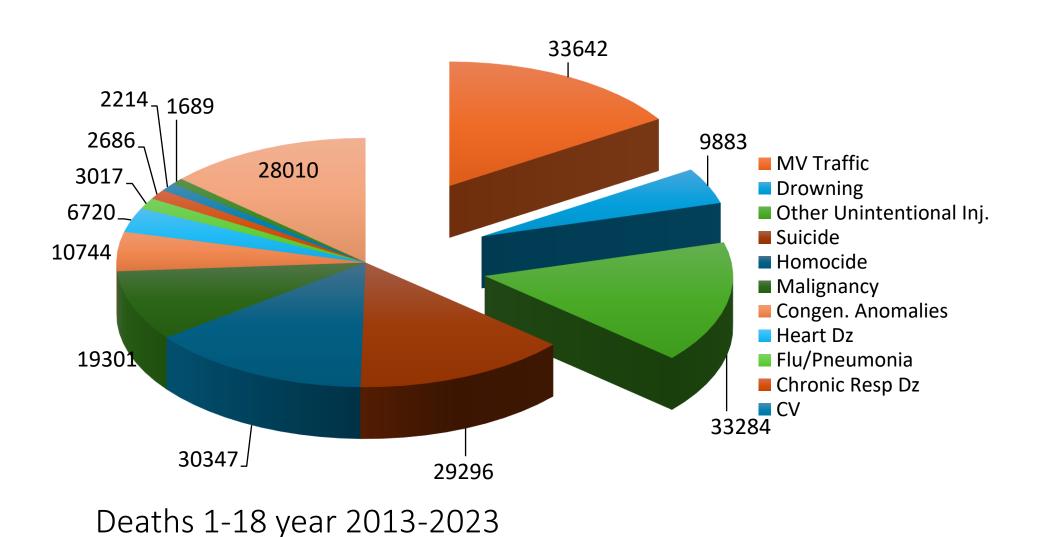
Influenza & Pneumonia 3,017

Chronic Low. Respiratory Disease 2,686

Cerebrovascula r 2,214

10 Septicemia 1,689

Top 10 Causes of Death



1-19

Unintentions Injury 76,809

> Homicide 30,147

Suicide 29,296

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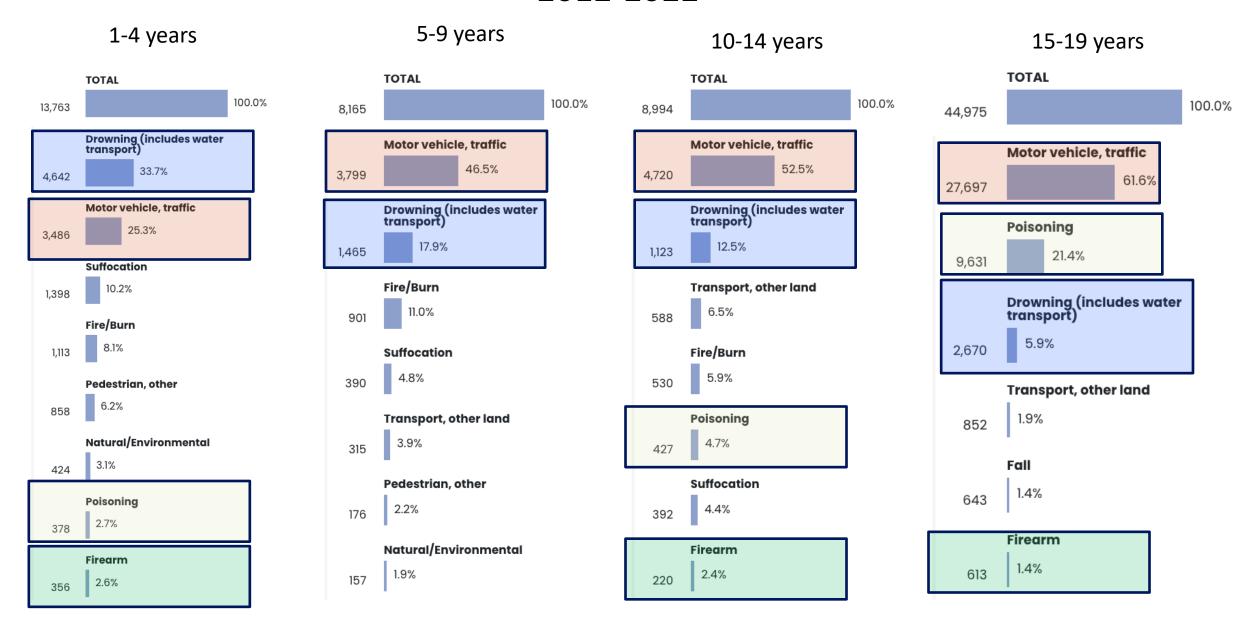
> Influenza & Pneumonia 3,017

Chronic Low. Respiratory Disease

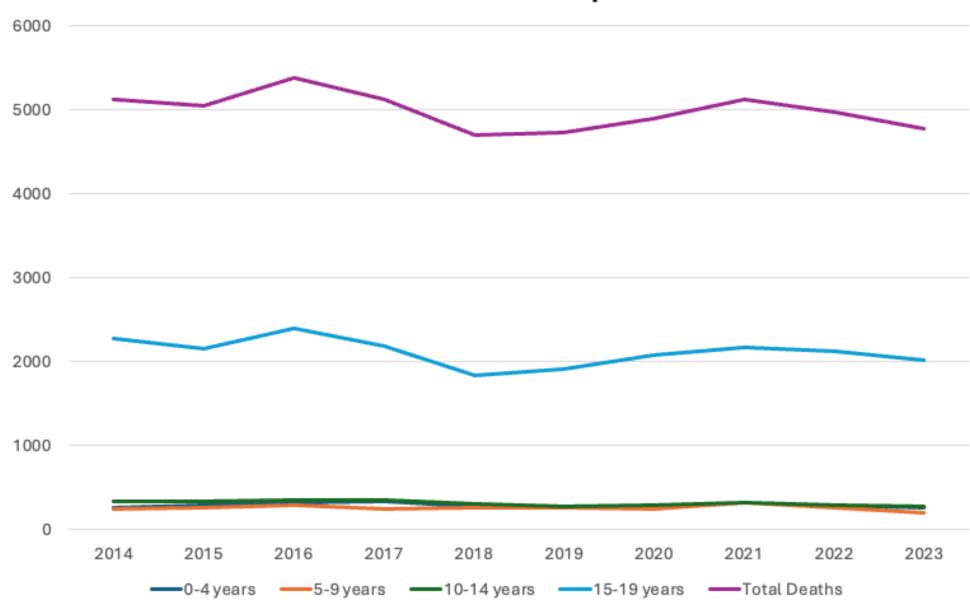
Cerebrovascula r 2,214

0 Septicemia 1,689

Leading Causes of Death by Age Group: Unintentional Injury 2012-2022



Annual Motor Vehicle Occupant Deaths



47 School Busses of Youth Die in Car Crashes Every Year



Not All Kids Ride Restrained 2021-2023

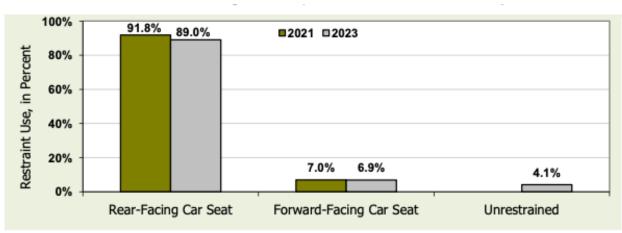


Figure 5. Restraint Use for Children Under Age 1

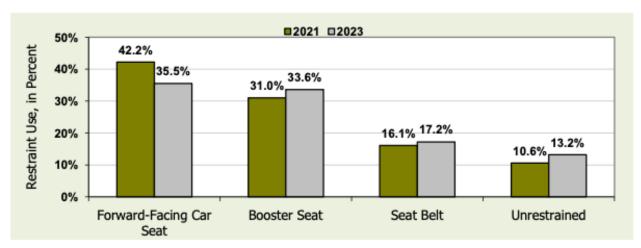


Figure 2. Restraint Use for Children 4 to 7 Years Old

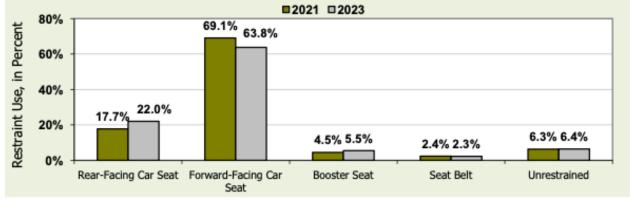


Figure 6. Restraint Use for Children 1 to 3 Years Old

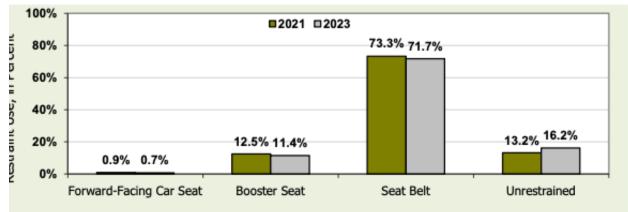
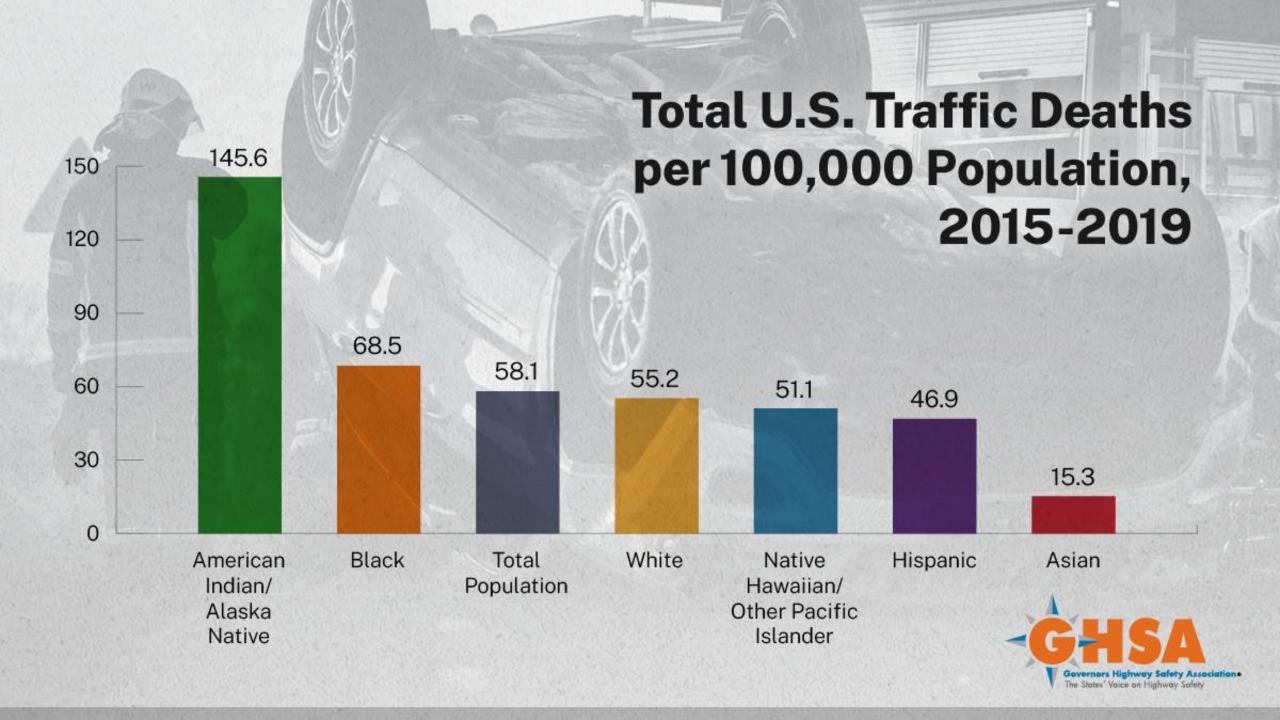


Figure 7. Restraint Use for Children 8 to 12 Years Old



Black and Brown Kids Are Less Likely To Be Restrained

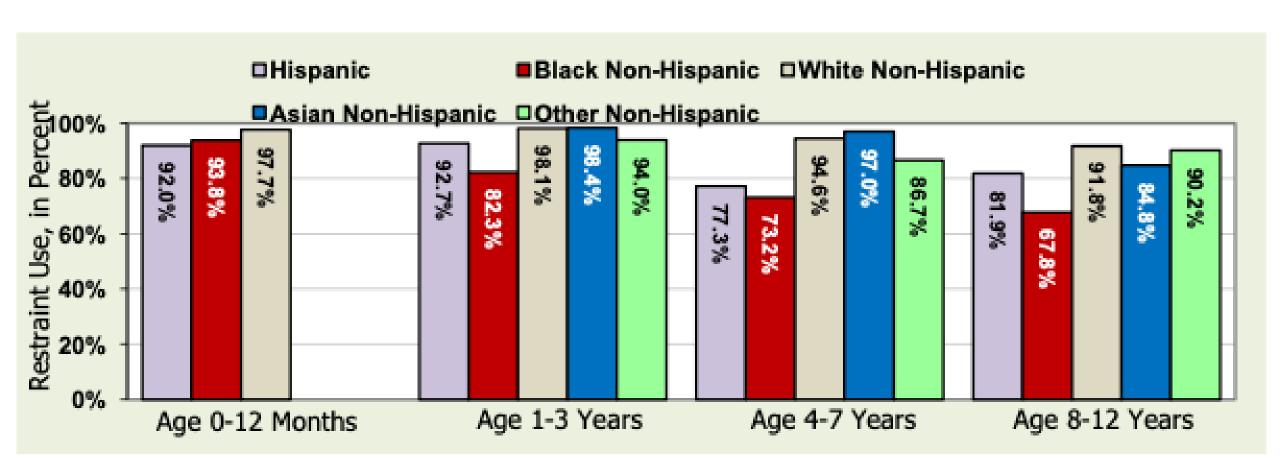


Figure 14. Child Restraint Use by Race and Ethnicity

Source: NHTSA 2025

Use rates are not getting better

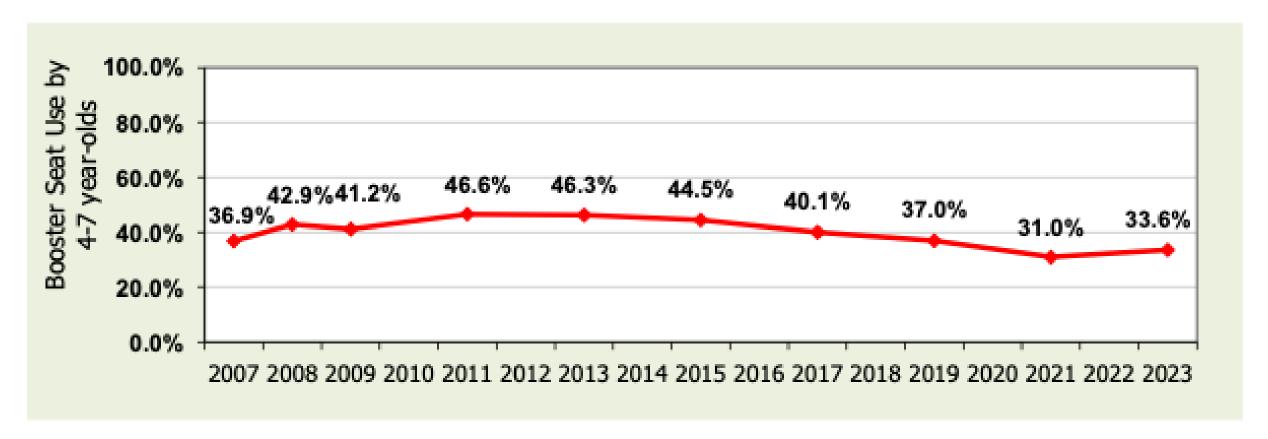
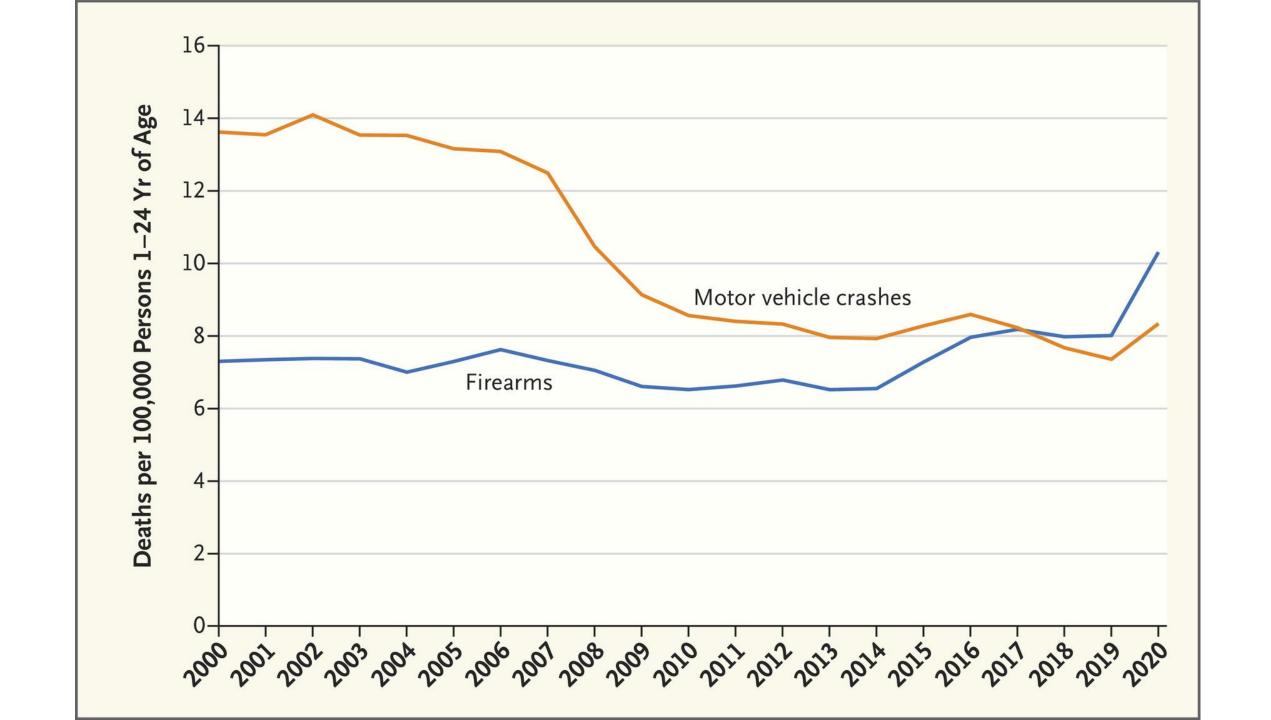


Figure 1. Booster Seat Use Among 4- to 7-Year-Old Children, National Estimates

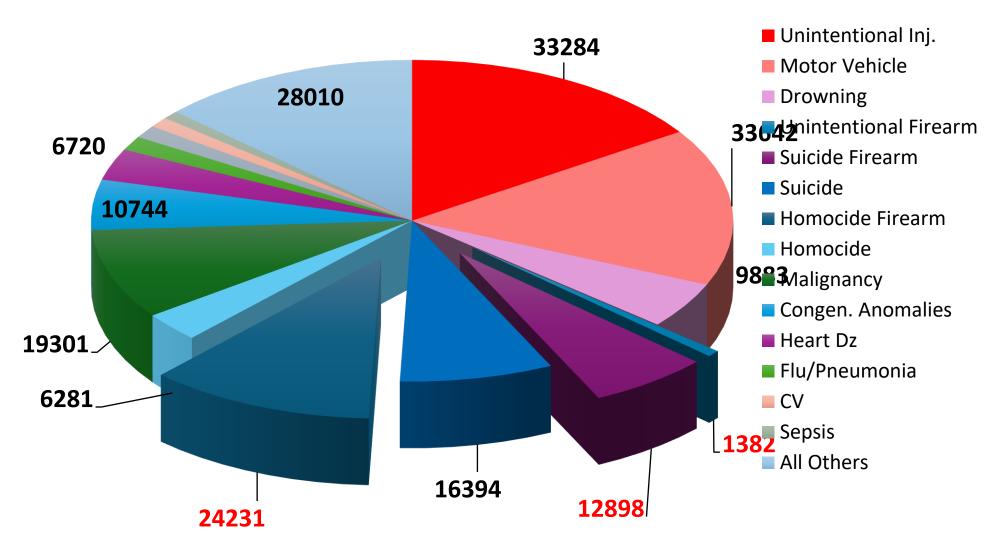
Source: NHTSA 2025







All Firearm Deaths 2013-2023 1-19 Years



1-18

Unintentional
Injury
61,322

2 <u>Suicide</u> 22,369

> Homicide 22,173

Malignant Neoplasms 18,017

> Congenital Anomalies **10,289**

Heart Disease 5,847

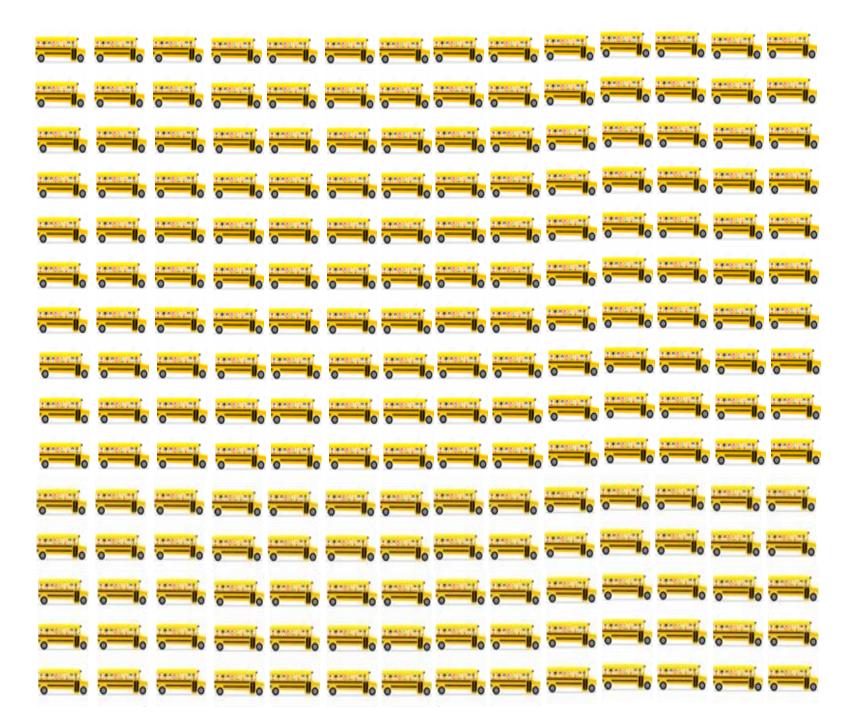
Influenza & Pneumonia **2,740**

Chronic Low.
Respiratory
Disease

Cerebrovascular 2,035

10 Septicemia 1,517

Homicide Suicide 68 Children and Youth 23 48 Die By Gun Every Week Ages 1-19 years, 2012-2022 34.07% Unintentional Indetermined intent 59.71% 3.76% 1.69%



210 School Busses of Youth Die By Gun Every Year





Almost 5 Million Children Live In Homes Where Firearms Are Unlocked and Loaded

3 Ways Kids Die From Guns



Did You Know?

Firearm Safety Tip #1

CABLE LOCKS:

Prevents a firearm from being loaded and fired.



Firearm Safety Tip #2

GUN CASE:

Storage solution to secure, conceal, protect and legally transport a firearm.



Firearm Safety Tip #3

LOCK BOX:

Provides
reliable
protection for
firearms.



Firearm Safety Tip #4

FULL SIZE GUN SAFE:

Allows you to store multiple firearms in one place.





Department of Defense Connect to Protect: Support is Within Reach

SUICIDE PREVENTION MONTH

Locking storage

Firearms

People who die from accidental shooting were more than three times as likely to live in a home with a firearm.¹ If you, or someone in your household, owns a firearm, let us help make sure it is locked up safely.



Combination safe

7"W x 7.5"H x 3"D

16 gauge steel housing is durable and pry resistant. Includes 4 foot steel security cable.

\$25



Quick access safe

10"W x 5"H x 12"D

Programmable touch pad with backup keys. Quick access springloaded door

\$95



Biometric safe

14"W x 10"H x 10"D

Solid steel. Stores up to fingerprints. Tamper indicator and Interior light

\$85



Combination trigger lock

For transportation, adding an additional level of safety, and/or larger firearms unable to be kept in a safe

\$10



Cable lock

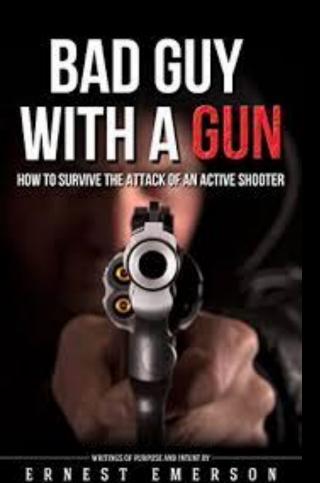
For use as a temporary or backup safety measure; does not replace a firearm safe. Up to 5 per household

Free

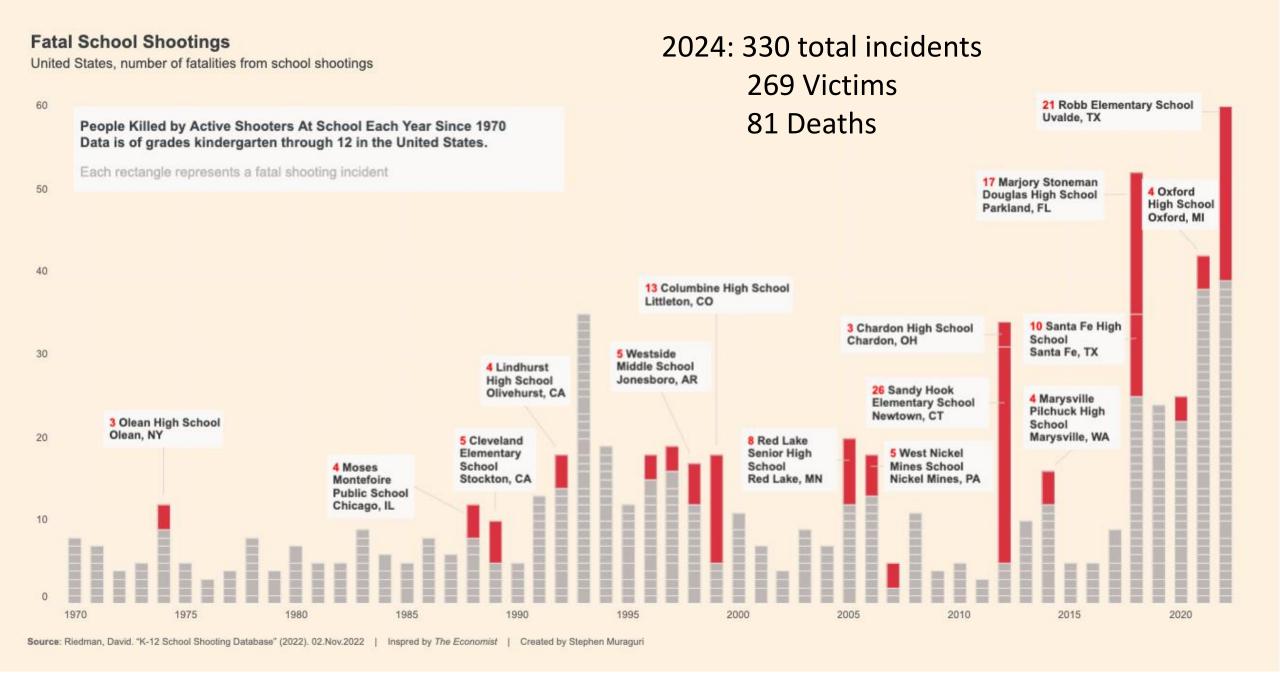
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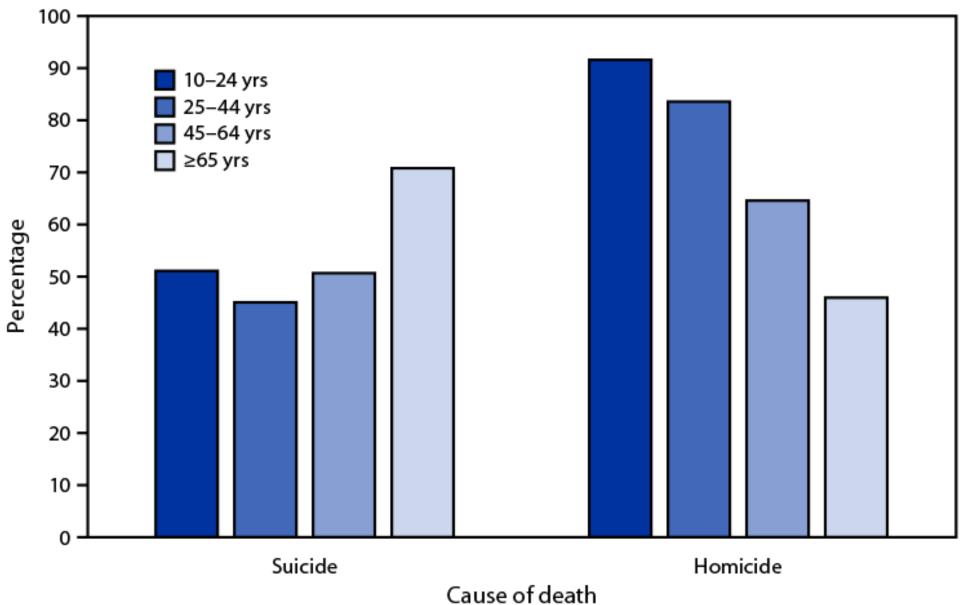
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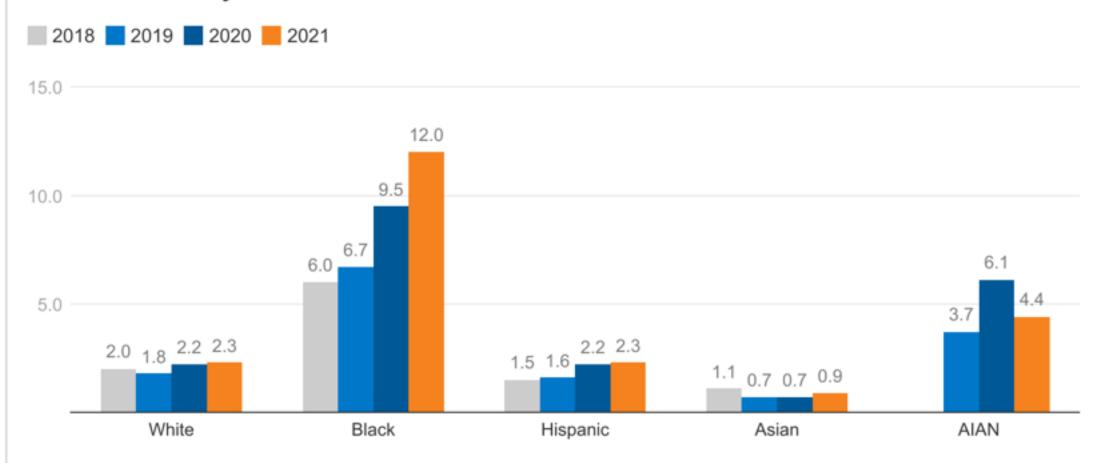




Most Suicide and Homicide Deaths for Kids are by GUN



Firearm-Related Death Rates for Children and Adolescents by Race/Ethnicity, 2018-2021

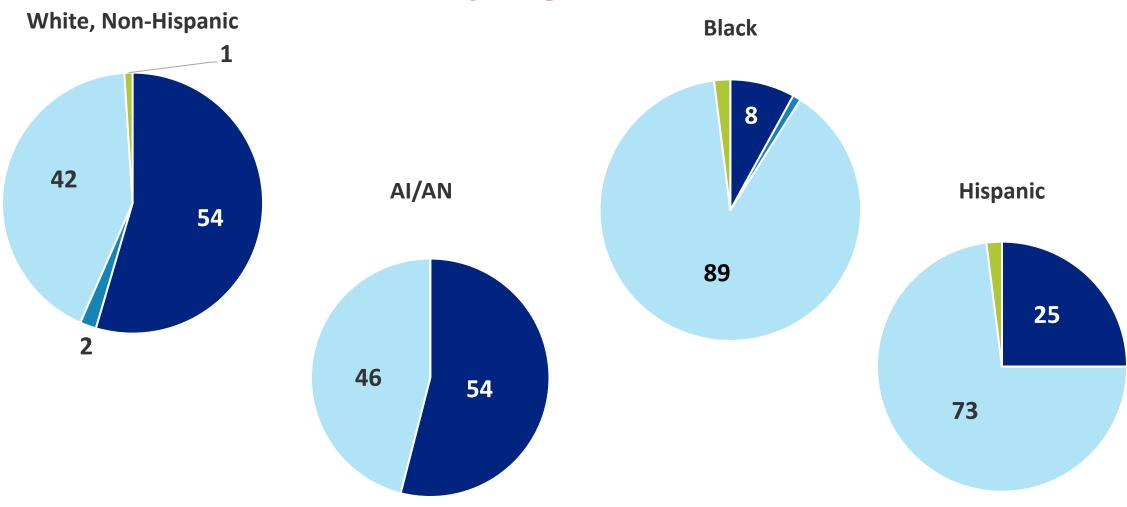


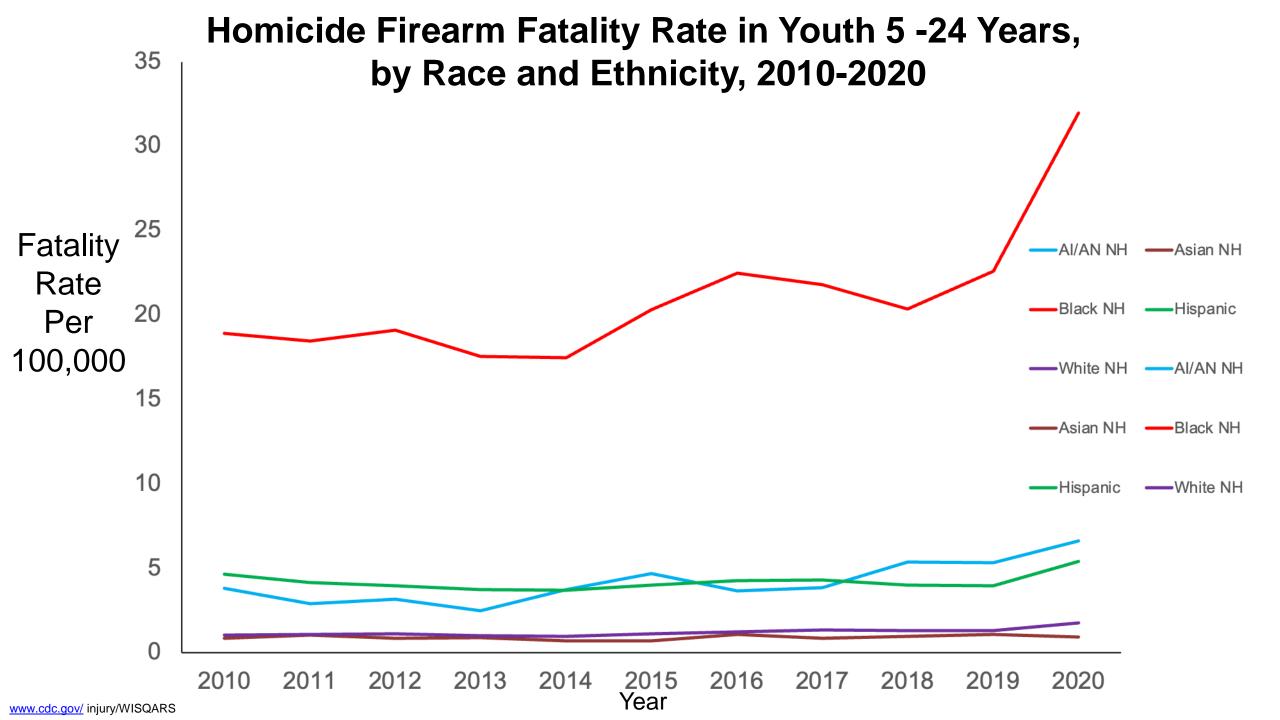
NOTE: Rates from 2021 reflect provisional data. Rates are per 100,000 children and adolescents ages 17 and below. Causes of death attributable to firearm mortality include ICD-10 Codes W32-W34, X72-X74, X93-X95, Y22-Y24, and Y35.0. AIAN refers to American Indian and Alaska Native people. AIAN data for 2018 was unavailable. Persons of Hispanic origin may be of any race but are categorized as Hispanic for this analysis; other groups are non-Hispanic. Persons of more than one race are not included in the data.

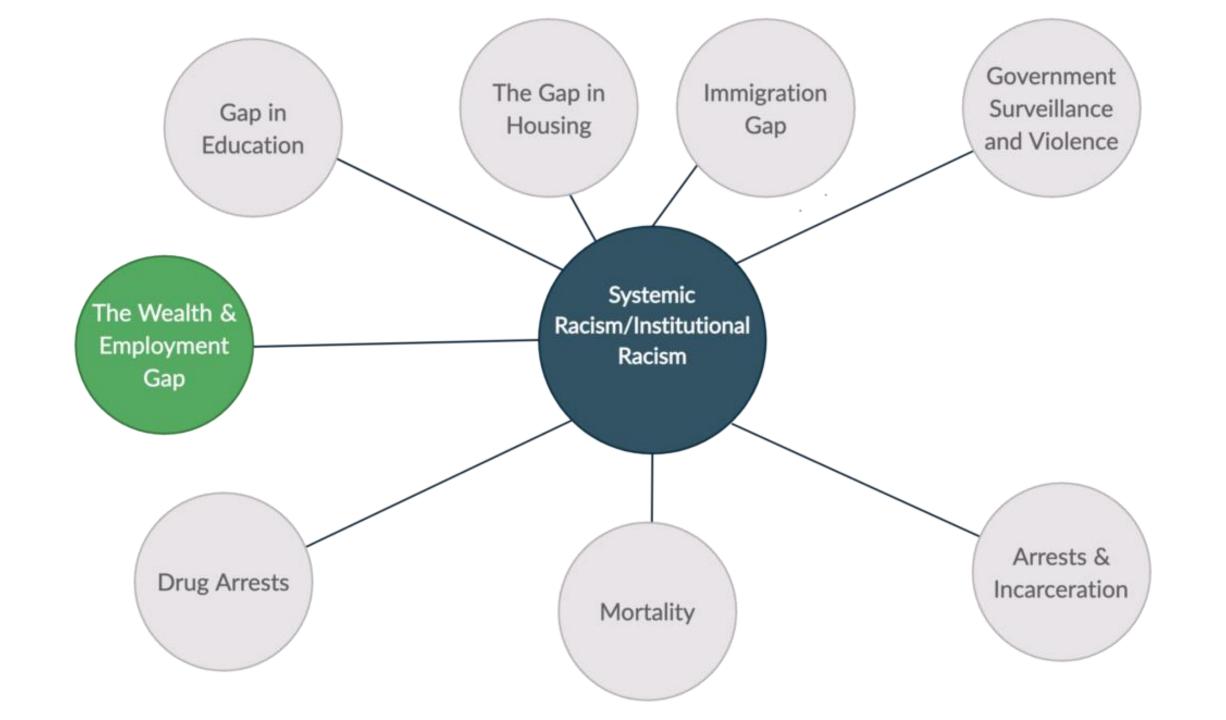


SOURCE: KFF analysis of CDC Wonder Online Database - Provisional Mortality Statistics, 2018-2021

Intent of Firearm Deaths Among US Teenagers by Race/Ethnicity, Ages 15-19, 2016-2021









Philadelphia

Shootings Remain High in Philly, But City-Funded Violence Interruption Shows Promise

A recent study found that a Philadelphia program can reduce shootings among participants by about half.

By Mensah M. Dean Mar 14, 2023



Addressing violence: Project Ujima

What is Project Ujima?

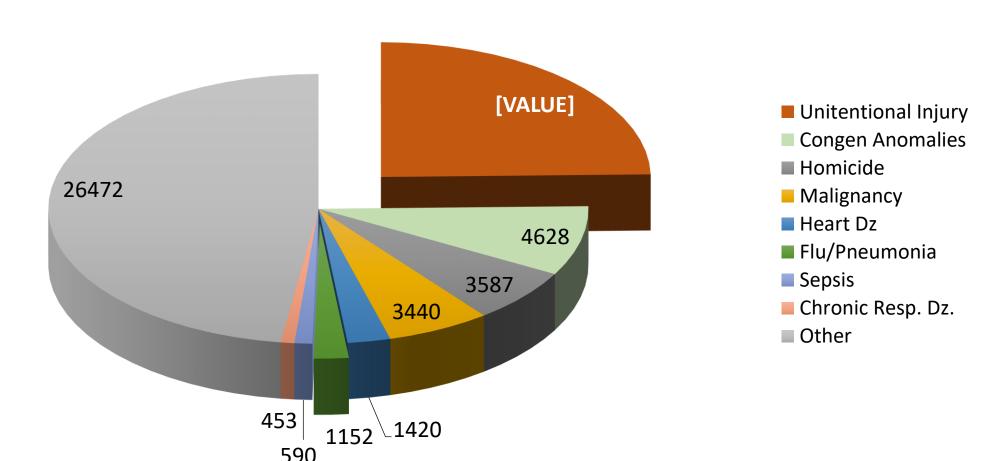
Project Ujima is a community program that helps victims of violence and provides services at Children's Wisconsin, your home, and the community.

Project Ujima works to stop the cycle of violence through crisis intervention and case management, social and emotional support, youth development and mentoring, mental health, and medical services.

Project Ujima is a voluntary program working with both youth and adult victims of violence and there is no cost for the services.



Deaths 1-4 years 2013-2023



Unintentional

Injury 13,685

1-4

Anomalies 4,628

Homicide 3,587

Malignant Neoplasms 3,440

> Heart Disease 1,420

Influenza & Pneumonia 1,152

Perinatal Period 592

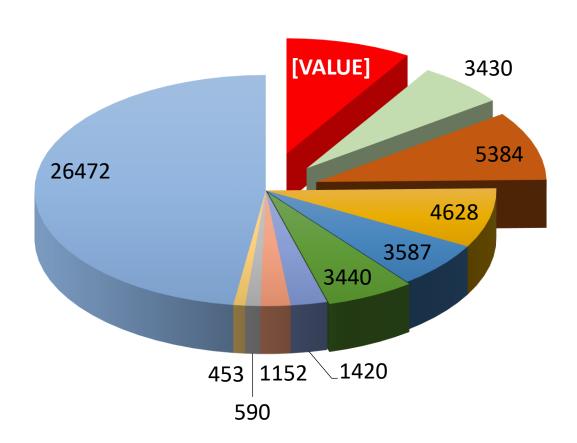
Septicemia 590

Gerebrovascula 9 r 541

> Chronic Low. Respiratory Disease 453

CDC WISQARS

Deaths 1-4 years 2013-2023



- Drowning
- Motor Vehicle
- Unitentional Injury
- Congen Anomalies
- Homicide
- Malignancy
- Heart Dz
- Flu/Pneumonia
- Sepsis
- Chronic Resp. Dz.
- Other

Unintentions 1 Injury 13,685

1-4

Congenital Anomalies 4,628

> Homicide 3,587

Malignant Neoplasms 3,440

Heart Disease 1,420

Influenza & Pneumonia 1,152

Perinatal Period 592

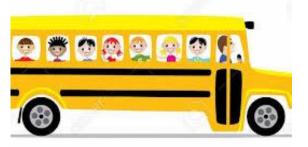
Septicemia 590

Cerebrovascula r 541

> Chronic Low. Respiratory Disease 453

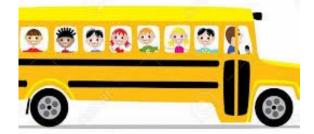
CDC WISQARS





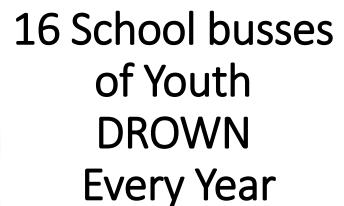


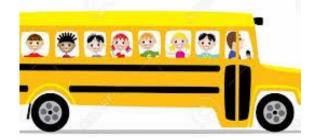










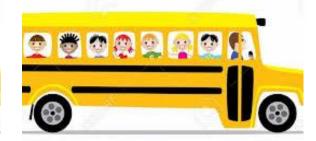






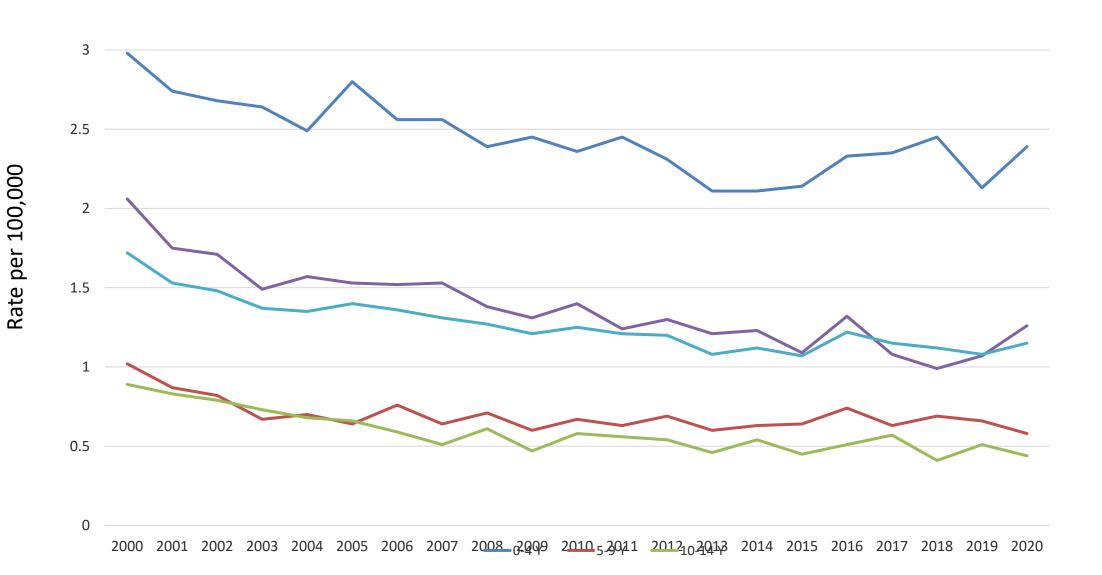




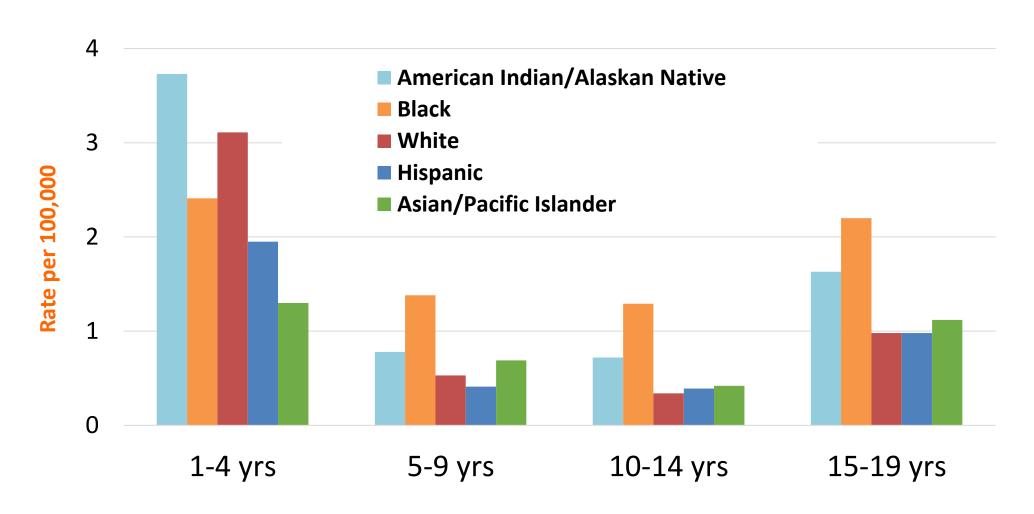


We Are Not Making Much Progress





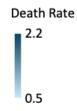
Black and Brown Kids Drown at Much Higher Rates



Source: AAP analysis of National Center for Injury Prevention and Control/CDC WISQARS™ (Web-based Injury Statistics Query and Reporting System), April 2019.

Note: American Indian/Alaskan Native, Black, White, and Asian/Pacific Islander refer to those who identify as non-Hispanic.

US Child (Ages 0-19) Unintentional Drowning Death Rates (per 100,000 Children) by State, 2012-2018 Annualized Average



Age Group	Number of Deaths	Population***	Crude Rate
00-04	422	8,677,939	4.86
05-09	66	8,566,475	0.77
10-14	27	8,682,822	0.31
15-19	117	8,642,607	1.35
Total	632	34,569,843	1.83





Age Group	Number of Deaths	Population***	Crude Rate
00-04	553	27,401,912	2.02
05-09	115	27,684,619	0.42
10-14	70	27,999,803	0.25
15-19	197	29,185,044	0.68
Total	935	112,271,378	0.83

Age Group	Number of Deaths	Population***	Crude Rate
00-04	111	4,609,295	2.41
05-09	32	4,711,346	0.68
10-14	48	4,868,424	0.99
15-19	143	4,986,717	2.87
Total	334	19,175,782	1.74





_				
	Age Group	Number of Deaths	Population***	Crude Rate
	00-04	30	1,031,047	2.91
	05-09	24	1,015,166	2.36
	10-14	23	1,053,162	2.18
	15-19	35	1,023,426	3.42
	Total	112	4,122,801	2.72



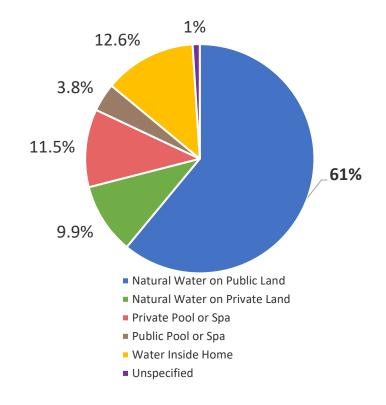
Results



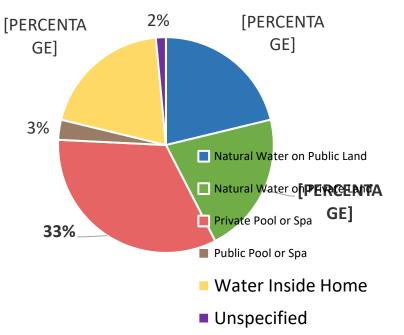
Most Drowning Deaths in Oregon Under Age 18 Occur in Natural Water on Public Land



203



Oregon Children Ages 0-4 Drown Most Often in Water on Private Land





All Child Drowning Deaths in Oregon

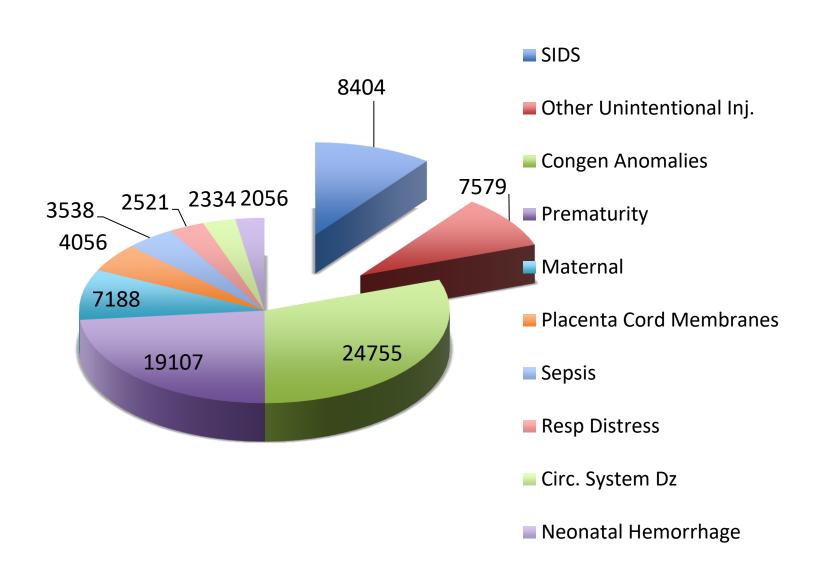


Population	Rate Per 100,000
White Children	19.55
Children of Color*	27.56
Relative Risk	1.41

Natural Water on Public Land

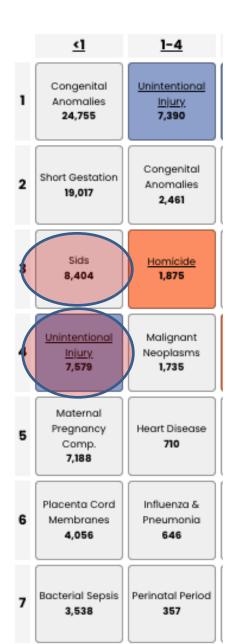
Population	Rate Per 100,000
White Children	9.91
Children of Color*	19.43
Relative Risk	1.96

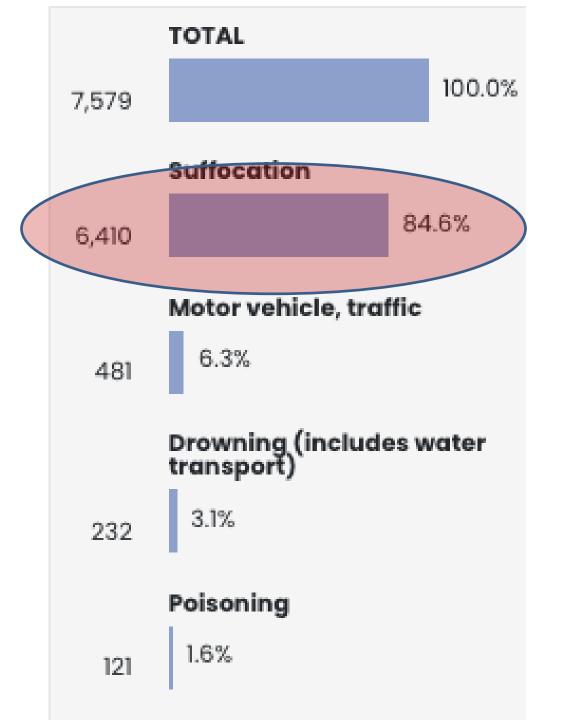
Deaths 0-1 year 2018-2023



10 Leading Causes of Death, United States

2018 to 2023, All Deaths with drilldown to ICD codes, All Sexes, All Races, All Ethnicities





Suffocation

#1 Leading Cause of Death

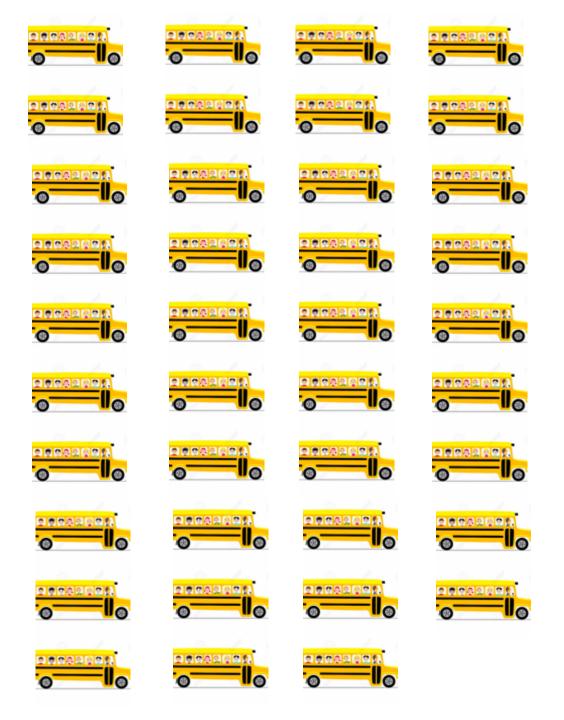
2018 to 2023, All Sexes, All Races



75% of Unintentional Injury Deaths among infants were sleep-related suffocation/strangulation

W79 Inhalation and ingestion of food causing obstruction of respiratory tract

52 0.8%



39 School busses
of infants
DIE IN THEIR
SLEEP
Every Year



What is SUID?

SUID (Sudden Unexpected Infant Death) is when infants die suddenly of no immediately obvious cause.

SUID

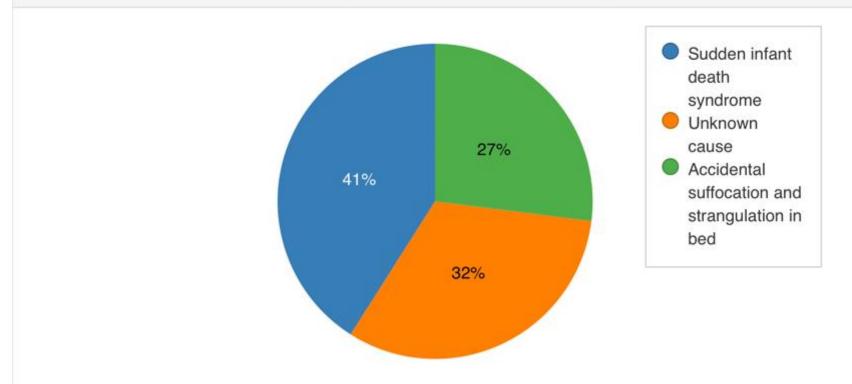
SIDS

Unexplained

Accidental Suffocation/
Strangulation in Bed

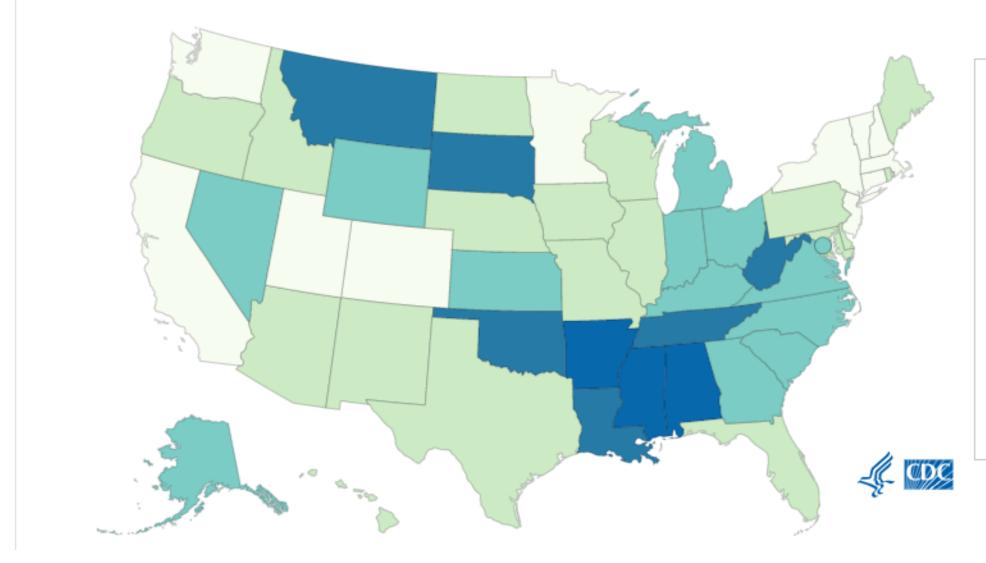
Most Cases of SUID are SIDS

Breakdown of Sudden Unexpected Infant Deaths by Cause, 2020



	Percentage
Sudden infant death syndrome	41%
Unknown cause	32%
Accidental suffocation and strangulation in bed	27%

SUID Rates by State, 2016–2020

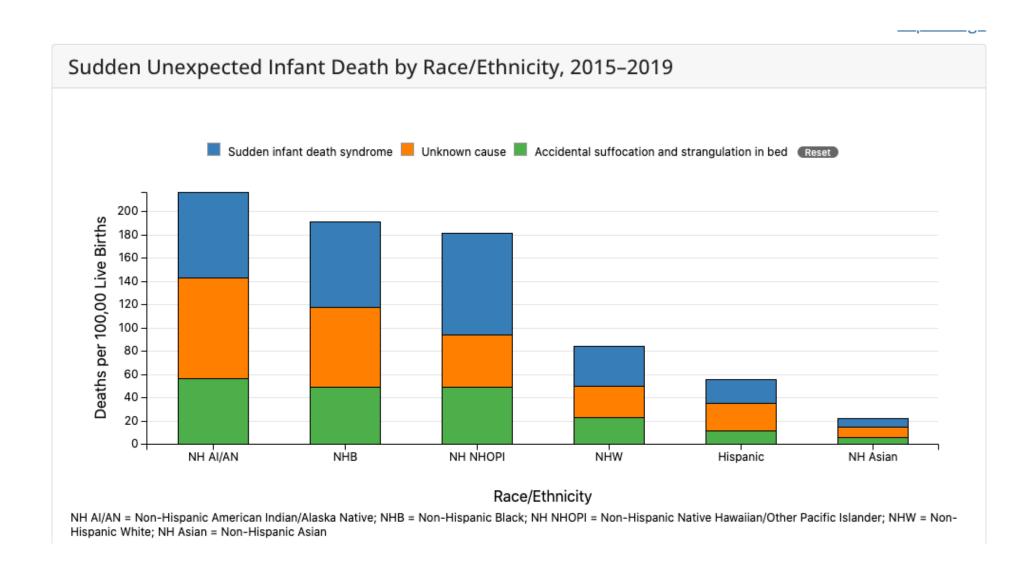


SUID Rates per 100,000 Live Births

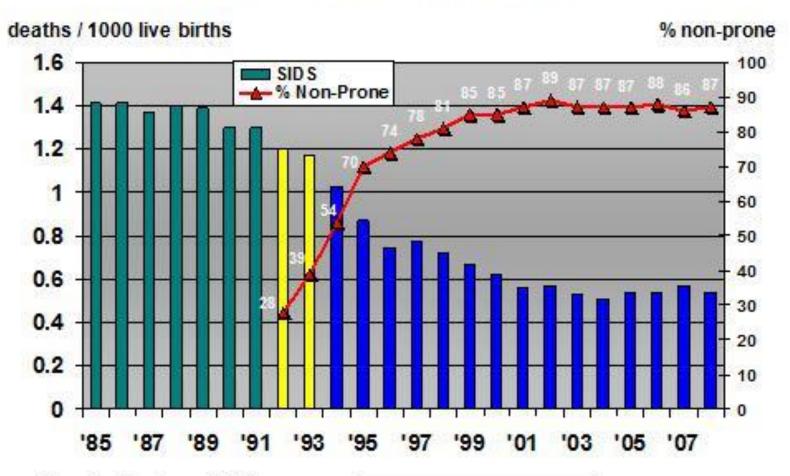
- 47.6 < 75.7</p>
- 75.7 < 103.8
- **103.8 < 132.0**
- **132.0 < 160.1**
- **160.1 188.2**

Source: CDC

Children of Color have much higher risks



SIDS Rate and Sleep Position U.S. Infants 1985 - 2008

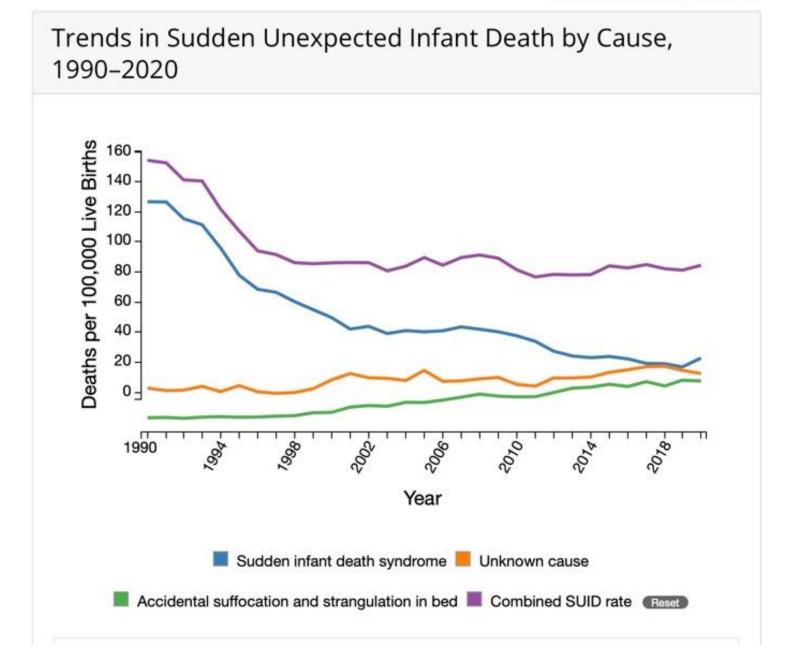


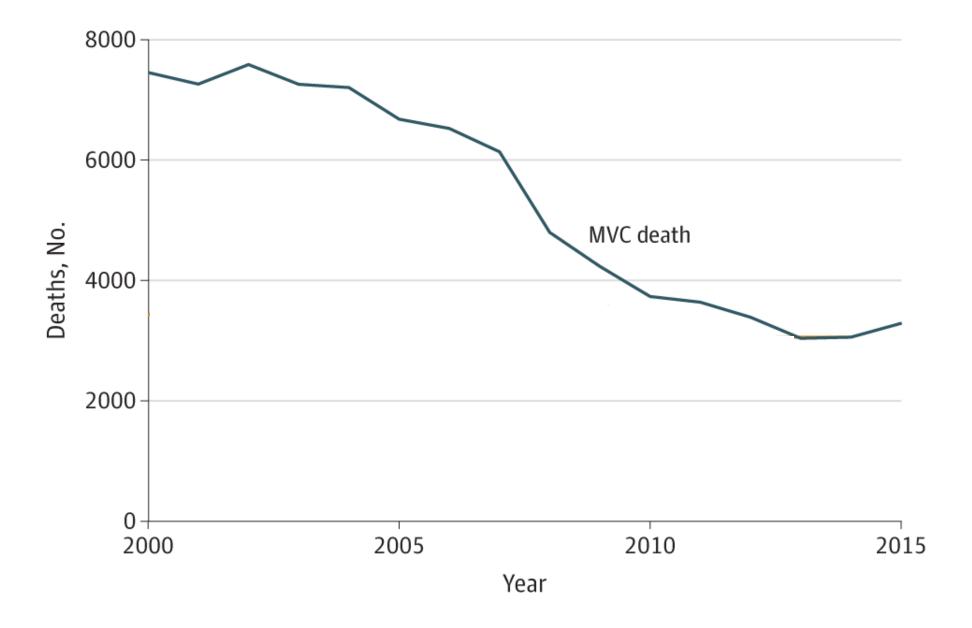
Sleep Position Source: NICHD NISP Household Survey SIDS Rate Source: National Center for Health Statistics, CDC Updated 05/08/2011

AAP SIDS Statement 1992

Back to Sleep Campaign 1994

SUID Rates Have Not Declined in the Past 2 Decades









Center for Fatality Review & Prevention



CDR Purpose, Principles, and Objectives

This section outlines the foundational elements that underlie the CDR process—its purpose, principles and objectives; its core functions; criteria for excellence; and the role of team members.

The purpose of CDR is that a comprehensive and multidisciplinary review of child deaths will lead to a better understanding of how and why children die. These findings are used to catalyze action to prevent other deaths, ultimately improving the health and safety of communities, families, and children.

The CDR process affords communities the opportunity to acknowledge the ways in which personal, community, or systems-level biases affect members of the community and explore and understand health disparities-preventable differences in the burden of disease, injury, violence, or opportunities to achieve optimal health that are experienced by disadvantaged populations.¹

How Does CDR Work?

Case Selection

Members Bring Records to Review

Case Review

Data Entry and Recommendations

Prevention Action (local, state, & national)

CDR in the United States

Profile Assessment 2024

Reach

- Programs in all 50 states
- Three territories
- Tribal engagement

Data

- National Fatality Review Case Reporting System (NFR-CRS) is used in 48 states
- More than 250,000 individual deaths

Sleep-Related

- NFR-CRS collects specific information on sleep-related deaths
- 34 states review sleep-related deaths



National Fatality Review-Case Reporting System

A National Tool for CDR and FIMR Teams

The purpose of NFR-CRS is to systematically collect, analyze, and report comprehensive fatality review data that includes:

- Information about the fetus, infant or child and their family, supervisor at the time of the incident and person responsible (when applicable)
- Services needed, provided, or referred
- Risk and protective factors
- Findings and recommendations
- Factors affecting the quality of the review meeting

CDR REPORT FORM

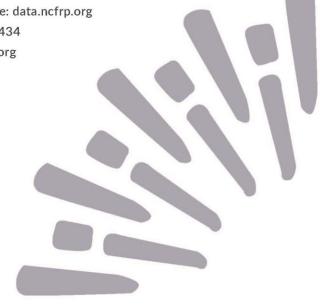
Version 6.0

National Fatality Review Case Reporting System

Data Entry Website: data.ncfrp.org Phone: 800-656-2434 Email: info@ncfrp.org ncfrp.org



@nationalcfrp



NFR-CRS Utilization

There are currently 48 states using NFR-CRS

- 48 use NFR-CRS for CDR
- 20 use NFR-CRS for FIMR

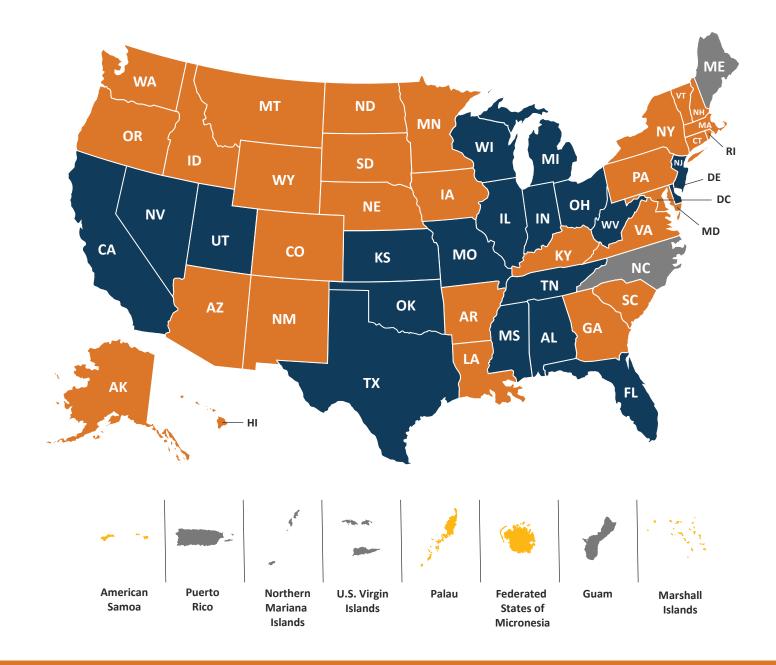
Each state uses NFR-CRS differently. Some have comprehensive reviews whereas others may only use NFR-CRS in one jurisdiction.

Jurisdiction Using NFR-CRS for CDR

Jurisdiction Using NFR-CRS for CDR and FIMR

Jurisdiction Not Using NFR-CRS

Jurisdiction Without Fatality Review



Sleep-Related Data Fields

NFR-CRS Section 12

Incident Information

- Sleep-surface involved
- Placement of child
- Usual sleep placement
- Items in sleep environment



Environmental Information

- Presence of a safe sleep environment
- Usual sleep environment and position



Risk factors

- Exposure to smoke
- Airway obstruction
- Surface sharing



Protective Factors

- Room sharing
- Fed human milk
- Used a pacifier or fan



Individual Change

Comprehensive education provided in many states. Additionally, materials have been translated into additional languages, infographics have been created, and sleep-environments have been provided to families.



Community Change

Partnerships with community and family organizations to promote safe sleep. Identifying key partners to change narratives around safe sleep (e.g., maternal grandparents, clergy, or childcare providers).



Environmental Change

Addressing soft bedding or bed sharing as a risk factor for sleep-related deaths. Providing safe sleep (or additional safe sleep) environments to families in need.



Agency Policy Change

Changing policies to allow for more nimbleness in distribution of sleep environments to account for housing instability. Improving the quality and consistency of death scene investigations.



Legislative Policy Change

Contributing to the passage of comprehensive family medical leave. Expanding safe haven laws. Funding CDR or FIMR programs.



SPECIFIC EXAMPLES

SAFER SLEEP IN PRACTICE





SOUTH DAKOTA

- Developed an MCH Safe Sleep Action Plan
- Launched For Baby's Sake website
- Created social media posts
- Established a data dashboard



COOK COUNTY - CPASS

- Enhanced data collection through SUID grant
- Identified family experiences and barriers
- Cross walked SUID data with community events to focus prevention

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THANK YOU



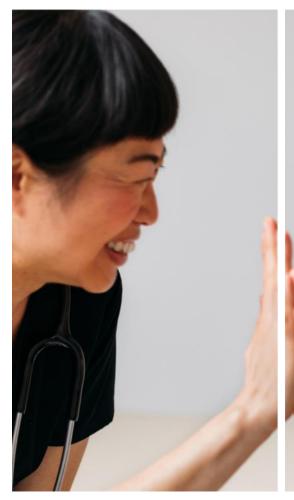
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PERSPECTIVE f X i

The Injury Equity Framework — Establishing a Unified Approach for Addressing Inequities

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