Indiana Violent Death Reporting System (INVDRS)

Stakeholders and Advisory Board Meeting

Katie Gatz, Director
Jessica Skiba, Injury Prevention Epidemiologist
Division of Trauma and Injury Prevention
Outline of Meeting

- Welcome & Introductions
- Indiana Violent Death Reporting System (INVDRS)
- NVDRS State Success Stories
- County Funding
- INVDRS
  - Goals, mission & vision
- INVDRS Advisory Board
  - Members
- INVDRS Data Elements
- Contracts for funding
- 2015 meeting dates
Introductions

- Name
- Role/job title within organization
- County Representing
Worksheet

- Data dissemination channels/audiences
- Surrounding counties that would be interested in participating in INVDRS during the pilot year
- County-specific concerns/roadblocks
CDC Grant

Collecting Violent Death Information Using the National Violent Death Reporting System (NVDRS)

• Established in 2002
NVDRS

- National, ongoing, state-based surveillance system
- Data collected by states through partnerships
- Data for informing prevention efforts
- Comprehensive information on violent deaths in participating states
  - Incident-based system
Previously Funded States

- 2003 (seven states)
- 2004 (six states)
- 2005 (three states)*
- 2010 (two states)†
32 States Funded in 2014
INVDRS

- Indiana Violent Death Reporting System
- Database to monitor and track trends of violent deaths in Indiana
- Data for informing local prevention efforts
Establishing a surveillance system to collects violent death information that is:

- High quality
- Comprehensive
- Timely
- Complies with CDC guidelines
  - Compare “apples to apples”
What is a Violent Death?

- A death that results from the intentional use of physical force or power, threatened or actual, against:
  - Oneself
  - Another person
  - A group or community
Manners of Violent Death

- Suicide
- Homicide
- Undetermined Intent
- Unintentional Firearm Death
- Legal Intervention
- Terrorism
Suicide Deaths

- A death resulting from the intentional use of force against oneself

- A majority of evidence should indicate that the use of force was intentional
Homicide Deaths

- A death resulting from the intentional use of force or power, threatened or actual, against another person, group, or community

- A majority of evidence must indicate that the use of force was intentional
Undetermined Manner of Death

• A death resulting from the use of force or power against oneself or another person for which the evidence indicating one manner of death is no more compelling than the evidence indicating another manner of death
Unintentional Death with Firearm

- A death resulting from a penetrating injury or gunshot wound from a weapon that uses a powder charge to fire a projectile when there was a preponderance of evidence that the shooting was not intentionally directed at the victim.
Legal Intervention

- A death when the decedent was killed by:
  - Police officer
  - Other peace officer (persons with specified legal authority to use deadly force) including:
    - Military police
  - Acting in the line of duty
Terrorism

- Homicides or suicides that result from events that are labeled by the FBI as acts of terrorism.
Four Primary Objectives

1. Create and update a plan to implement INVDRS in Indiana

2. Collect and abstract comprehensive data on violent deaths from:
   - Death Certificates
   - Coroner reports
   - Law enforcement records
   - Optional Modules:
     - Child Fatality Review
3. Disseminate aggregate INVDRS data to stakeholders, the public, and CDC’s multi-state database

4. Explore innovative methods of collecting, reporting, and sharing data
   • Improve timeliness and greater utilization of data for prevention efforts
Plan to Implement

- Form an Advisory Board that includes violence prevention groups
- Develop strong relationships with partners
- Revise plans based on partner feedback
Plan to Implement

- Integrate with other required data sources
  - Vital statistics
  - Coroner
  - Law Enforcement
- Monitor and improve data collection
- Make a data dissemination plan
Key Activities for 2014

• Form Advisory Board & determine meeting schedule
• Hire and train ISDH INVDRS Staff
• Initial meetings with key stakeholders
Project Timeline - 2014

- Federal Grant Period: 09/01/2014
- 1st INVDRS Advisor: 9/30/2014
- Pilot county meeting: 10/2014
- Reverse Site Visit for staff: 11/2014
- Hiring of INVDRS Staff: 12/2/2014
- Contracts initiated for 1/2015: 12/9/2014
- 2nd INVDRS Advisory Board: 12/9/2014
Tours to each county

- Visiting:
  - Allen
  - Lake
  - Madison
  - Marion
  - St. Joseph
  - Vanderburgh

- Meeting with:
  - Local Law Enforcement
  - Coroners
  - Hospitals
  - Child Fatality Review Team Chairs
  - Other interested local stakeholders
Planning for 2015

Key Activities:

- Obtain Vital Statistics & Coroner data electronically & monitor data import timelines
- Begin manual abstraction of Coroner & Law Enforcement data by end of 1st quarter
- Quality Assurance: re-abstract a sample of cases & provide timely feedback to abstractors
Future Activities

• Compare death counts with published reports from Vital Statistics
• Produce topical reports approx. 3-4 months after data closure date
• Share reports with data providers & other violence prevention partners, request feedback
Flow of Information for the INVDRS

Occurrence of Violent Death

- Indiana State Department of Health
  - Vital Records
    - Electronic Death Certificate Data
  - Indiana Child Fatality Review Program
    - Child Death Review (if applicable)

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- Supplemental data from additional sources when needed

Analyses Reports Data Dissemination Data Users

Coroner Report
- Reports of Investigation

Individual Law Enforcement Agencies
- Reports of Investigation

NVDRS Web-based Database

Indiana State Department of Health
Flow of Information for the INVDRS

Occurrence of Violent Death

Indiana State Department of Health

Vital Records
Electronic Death Certificate Data

Indiana Child Fatality Review Program
Child Death Review (if applicable)

Division of Trauma and Injury Prevention
How do we identify violent death cases?

- ICD-10 External Causes of Death Codes
- Located on death certificates processed by State Vital Records Department
ICD-10 External Causes of Death Codes

<table>
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<th>Manner of Death</th>
<th>ICD 10 Codes</th>
<th>Death &gt; 1 year after the injury</th>
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<td>Intentional self harm (suicide)</td>
<td>X60-84</td>
<td>Y87.0</td>
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<tr>
<td>Assault (homicide)</td>
<td>X85-X99, Y00-Y09</td>
<td>Y87.1</td>
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<tr>
<td>Event of undetermined intent</td>
<td>Y10-Y34</td>
<td>Y87.2, Y89.9</td>
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<td>Unintentional exposure to inanimate mechanical forces (firearms)</td>
<td>W32-W34</td>
<td>Y86 determined to be due to firearms</td>
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<td>Legal intervention excluding executions, Y35.5</td>
<td>Y35.0-Y35.4, Y35.6-Y35.7</td>
<td>Y89.0</td>
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<tr>
<td>Terrorism</td>
<td>*U01, *U03</td>
<td>*U02</td>
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</table>

For manner of death meeting NVDRS case definitions
Flow of Information for the INVDRS

Occurrence of Violent Death

Indiana State Department of Health
- Vital Records
- Electronic Death Certificate Data

Indiana Child Fatality Review Program
- Child Death Review (if applicable)

Division of Trauma and Injury Prevention

Coroner Report
- Reports of Investigation

Individual Law Enforcement Agencies
- Reports of Investigation
Flow of Information for the INVDRS

Indiana State Department of Health

Analyses Reports
Data Dissemination
Data Users

NVDRS Web-based Database

Division of Trauma and Injury Prevention

Indiana State Department of Health
Dissemination of Information

Indiana State Department of Health

- Indiana Child Fatality Review Program
- Division of Trauma and Injury Prevention

Advisory Board

- Analyses
- Reports
- Data Dissemination
- Data Users

Community Organizations
- Coroners
- Trauma Centers
- Other Partners
- LHD

State Agencies

Law Enforcement Agencies

Indiana Child Fatality Review Program
Death Certificate
- Age
- Gender
- Residence
- Marital status
- Profession
- Employment status
- Veteran status
- Cause of death
- Manner of death
- Time of death
- Pregnancy status

Law Enforcement
- Narrative on the circumstances of death
- Wound location
- Weapon information
- Relationships among victim, perpetrator, others
- Information on suspect(s)
- Potential evidence to substantiate/support conclusion about violent death type
- Presence/absence of suicide note
- Interviews with any witnesses or family
- Critical stressors in victim’s life

Coroner
- Brief narrative on incident
- Demographics
- Wound location
- Weapon information, patterns on victim
- Cause of death
- Manner of death
- Current disease/health condition
- Current/recent medical treatment
- Current medication
- Relationships among involved persons (if available)
- Circumstances relevant to death

Child Fatality Review
Information on victim’s
- Household
- Caregivers
- Supervision
- Previous contacts with CPS
- Relationship with perpetrator

Crime Lab
Firearms involved:
- Type, make & model
- Caliber or gauge
- Serial number
- Importer’s name & address

Data Elements Overlap
Same data from multiple sources

Toxicology
- Presence or absence of alcohol or drugs in victim(s)
Data Linking

• Link related violent deaths that occurred within 24 hours
  • Multiple homicides
  • Suicide pacts
  • Suicide/homicides
• Relationship between victim and perpetrator (if they knew each other)
• Information about the perpetrator, including criminal history
Data Linking

• Linking data places a death in context and provides more complete circumstances

• Circumstances:
  • History of depression or other mental health problems
  • Chronic illness
  • Recent problems with a job, finances, or relationship
  • Alcohol or drug use
  • Gang activity
  • or recent death of family member
Year 1 Pilot

- Collect data on deaths that occurred in 6 counties:
  - Marion
  - Allen
  - Lake
  - Vanderburgh
  - St. Joseph
  - Madison

- Selected based on rank of number of violent deaths in 2010
- Collect data on all child deaths (<18 years)
Indiana Violent Death Reporting System (INVDARS)

2015 Pilot Counties:

- Allen
- Lake
- Madison
- Marion
- St. Joseph
- Vanderburgh

Indiana State Department of Health
After Pilot

- Expand to all counties in Indiana to collect all violent deaths
- Deaths as of January 1, 2016
  - More complete database to monitor and track trends of violent deaths in Indiana
  - More data for informing local prevention efforts
Translating Data into Action

Provides understanding of violent death and circumstances:

- Describes the magnitude of and trends for specific types of violence
- Identifies risk factors associated with violence at state and local level
- Targeting and guiding state and local violence prevention programs, policies, and practices
Data Uses

- Inform Communities
  - Documents circumstances of all violent deaths
    - Preceding and surrounding the incident
  - Who, what, when, and where?
    - Insight as to why
  - Characterizes perpetrators as well as victims
  - Characterizes incidents involving more than one victim
Data Uses

- Guide and target violence prevention programs, polices, and practices
  - Supports planning and implementations at various levels
- Monitor and evaluate prevention efforts
- Provides timelier data on violent deaths
Data Partners

- Indiana State Department of Health
  - Division of Trauma and Injury Prevention
  - Vital Records – Death Certificate Data
  - Child Fatality Review Program
- Coroners
- Local Law Enforcement
- Indiana State Police
Other Partners and Data Users

- Academic Departments
- American College of Emergency Physicians
- Anti-Violence Advocates
- Child Fatality Review Teams
  - Local
  - State
- Community Groups
  - Youth Service Organizations
- Coroners
  - Local Associations
  - State Associations
- Department of Justice
Other Partners and Data Users

- Department of Natural Resources
  - Hunter Safety Coordinator

- Domestic Violence Service or Prevention Organizations
  - Domestic Violence Fatality Review Teams

- Emergency Medical Services (EMS)

- Emergency Nurses Association (ENA)

- Faith Community

- Prosecutors
  - Local
  - State
  - Federal
Other Partners and Data Users

• Fire and Police Commission
• Firearm Owners/Shooters Association
  – National Rifle Association state affiliate
• Health Departments
  – Local

• Hospitals/Trauma Centers
• Local Business
• Police/Sheriff Departments
  – Local
  – State
Other Partners and Data Users

- Politicians
  - Local
  - State
- Professional Law Enforcement Associations
  - Police Chiefs Association
- State Crime Laboratory
  - Firearm/Toolmark Examiners
- State Public Health Association
- Suicide Prevention Organization
- Vital Records/Statistics
Virginia

- Data showed elder suicide fundamentally different from non-elder
- Data momentum generated funding for state suicide prevention coordinator
- 3 to 30 increase in data request due to education on suicide more prevalent than homicide
Rhode Island

- Suicide data showed working adults at increased risk
- RI-NVDRS data shared with prevention partners and 2 of the state’s largest employers
- Result: Employee Assistance Program adds suicide to mission
Utah

- Expanded DV data collection to include any intimate partner, family member, or roommate
- Worked with CPS to improve gap in services for victim’s children
Massachusetts

• Improved data sharing and collaboration between Public Health and Law Enforcement
  • Allowed them to track emerging trends
  • Suicide by hydrogen sulfide
  • Suicide prevention through train-related death data
North Carolina

- Linked NCVDRS data with Adult Protective Services (APS) data
- Improved elder maltreatment surveillance
- Developed the adult fatality case review program for adults who die in APS care
COUNTY FUNDING
County Funding Ideas

• $10 per report submitted to ISDH
• Guaranteed for incidents that occur during the first calendar year
  • January 1, 2015 to December 31, 2015
    • Future funding amount based on the quality of data submitted the 1st year
• Coroners
• Law Enforcement

OR
County Funding Ideas

- ISDH Records Consultant comes to your office to abstract the data needed for INVDRS
County Funding Ideas

- Other Thoughts?
INVDRS: GOALS, MISSION, VISION
Goals

- Increase scientific understanding of violent injury through research
- Translate research findings into prevention strategies
- Disseminate knowledge of violent injury and prevention to professionals and the public
Mission

• The INVDRS is dedicated to the reduction of violent injuries and deaths

• The INVDRS provides comprehensive, objective, and accurate information regarding violence-related morbidity and mortality

• The INVDRS collaborates with policy makers, community-based organizations, and with individuals at local, regional, and national levels to support effective prevention strategies
Vision

- Prevent violent deaths in Indiana
ADVISORY BOARD: MEMBERS
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<tr>
<th>Organizations (A - I)</th>
<th>Organizations (I - Z)</th>
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<td>Office of Management and Budget / MPH Project</td>
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<td>Division of Mental Health and Addiction</td>
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<td>ISDH Office of Women's Health</td>
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INVDRS:
DATA ELEMENTS
Data Collection

- Death Certificate
- Coroner Report
- Law Enforcement Record
  - Local Law enforcement
- Child Death Review
  - Collected by Child Fatality Review
# Data Elements

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2015 MEETING DATES
2015 Advisory Board Meeting Dates

• March 24th
• June 23rd
• September 29th
• December 15h
  • 1-3pm EDT
  • ISDH
Contact Information

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