Indiana Violent Death Reporting System (INVDRS)

Stakeholders and Advisory Board Meeting

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Division of Trauma and Injury Prevention

Indiana State Department of Health

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

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Introductions

- Name

- Role/job title within organization

- County Representing

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Worksheet

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

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OVERVIEW OF THE NATIONAL VIOLENT DEATH REPORTING SYSTEM

CDC Grant

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

- Established in 2002
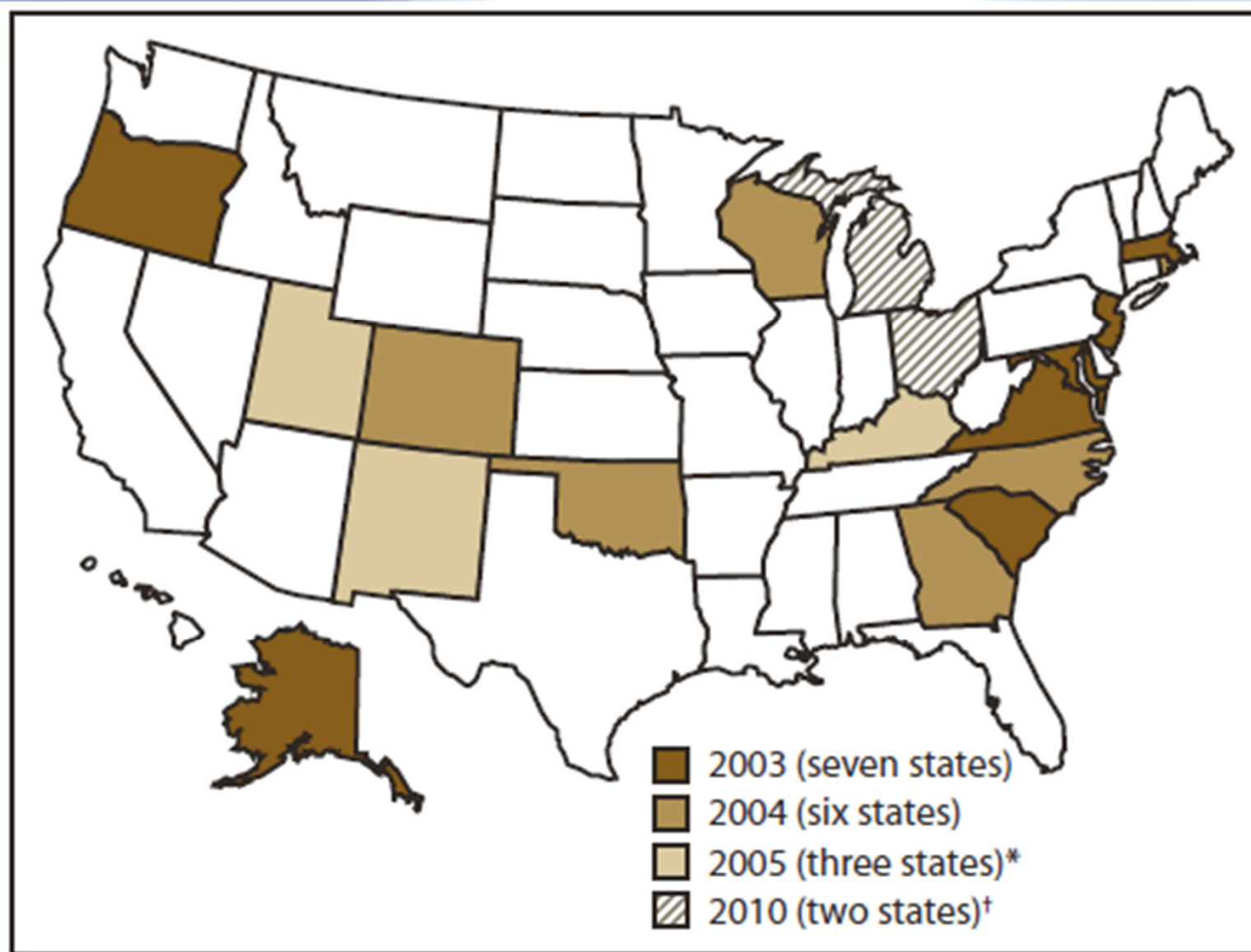
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NVDRS

- 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
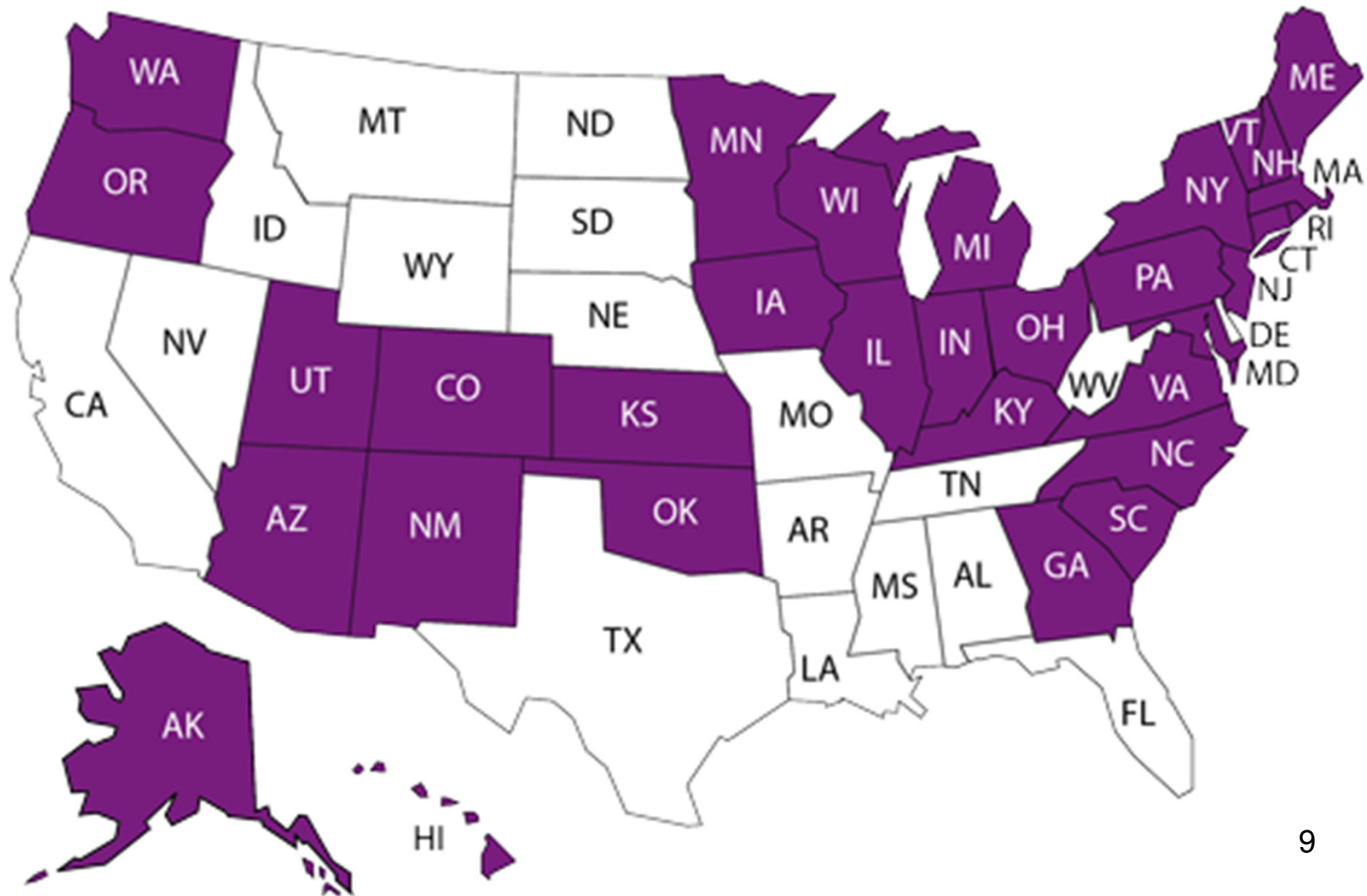
  - Incident-based system

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Previously Funded States

Legend:
- 2003 (seven states)
- 2004 (six states)
- 2005 (three states)*
- 2010 (two states)†

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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

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Critical Output

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

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Manners of Violent Death

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

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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

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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

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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.

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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.

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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

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Four Primary Activities, Cont'd

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

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Plan to Implement

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

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Plan to Implement

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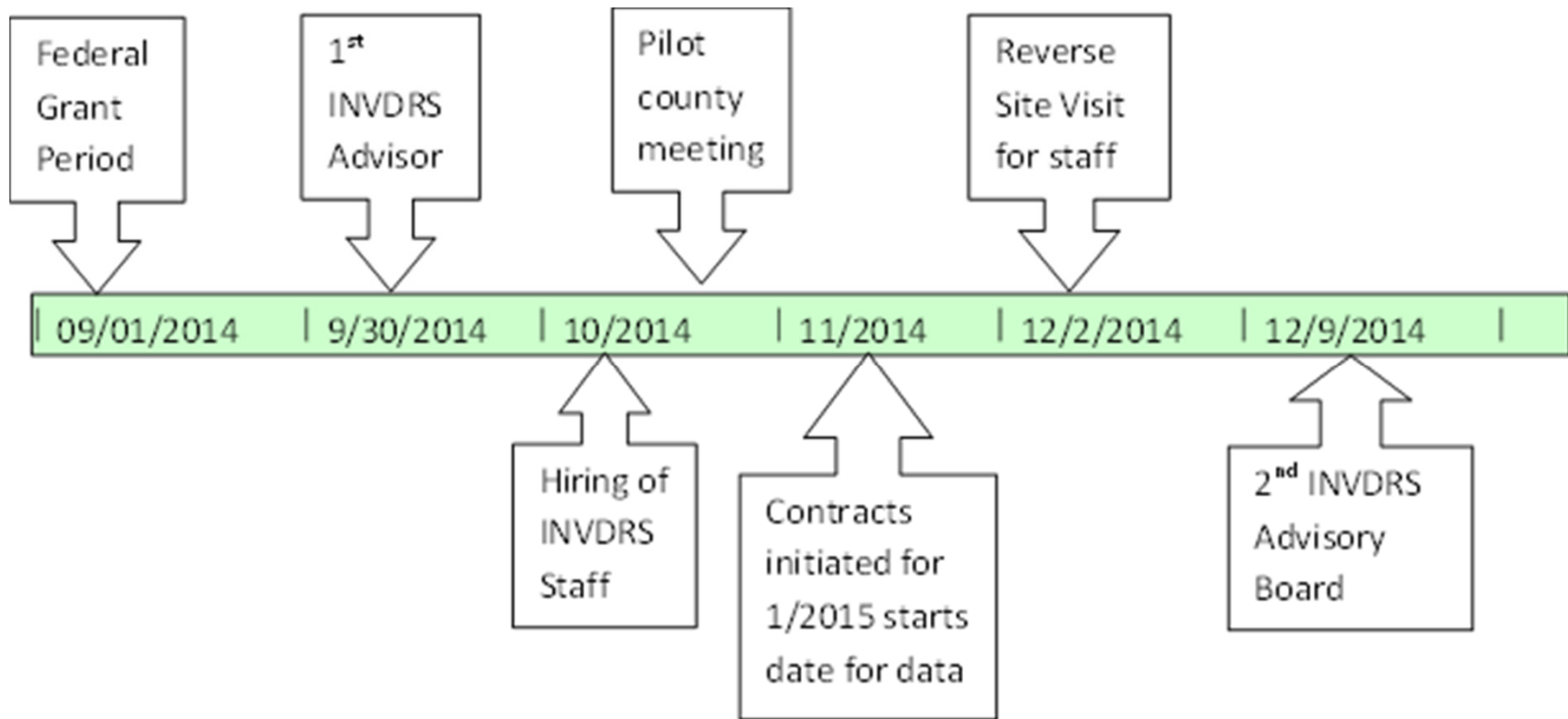- Make a data dissemination plan

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Key Activities for 2014

- Form Advisory Board & determine meeting schedule

- Hire and train ISDH INVDRS Staff

- Initial meetings with key stakeholders

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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 → 12/2/2014

Hiring of INVDRS Staff ↑ 10/2014

Contracts initiated for 1/2015 starts date for data ↑ 11/2014

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
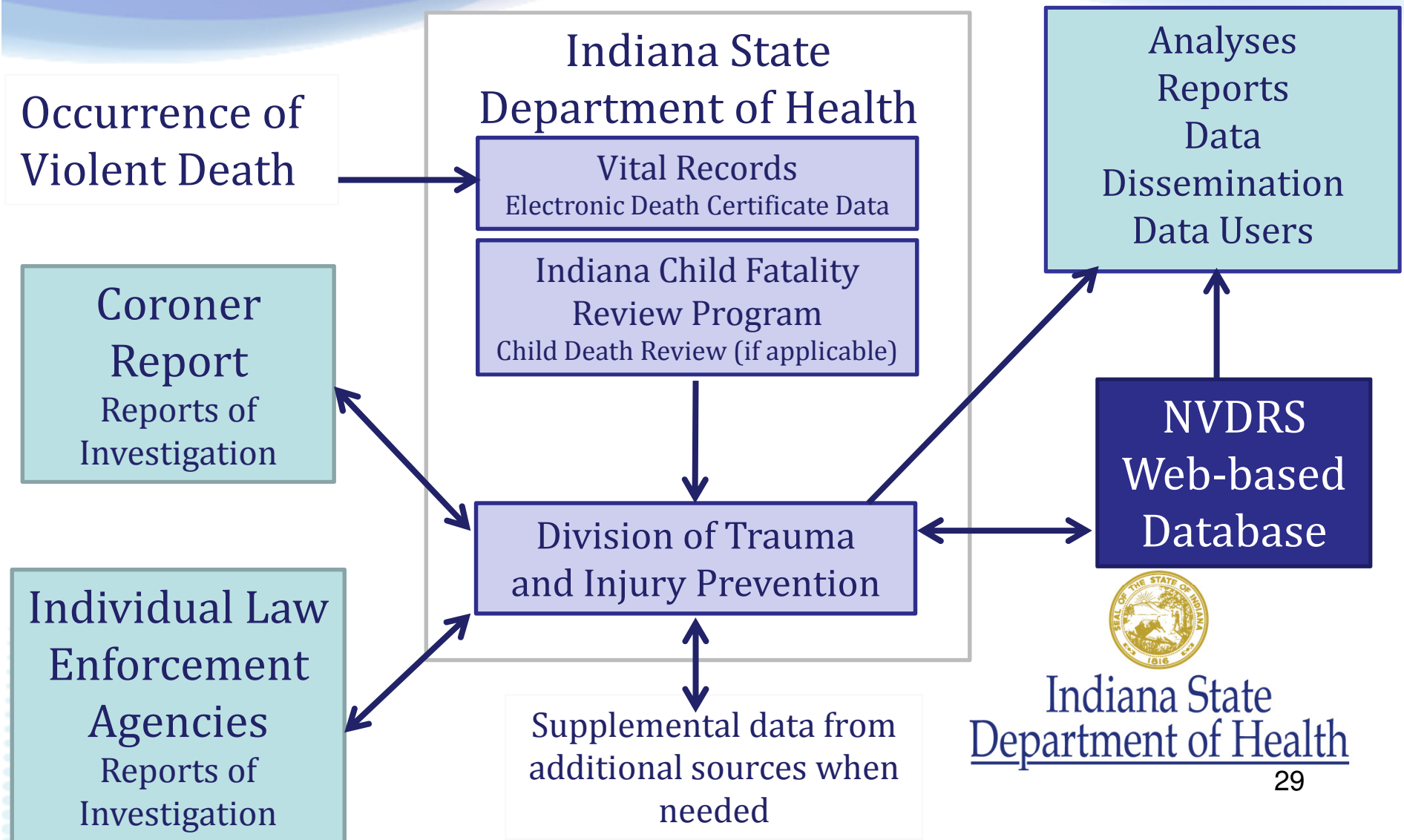
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Future Activities

- 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

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Flow of Information for the INVDRS

Occurrence of Violent Death

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Vital Records
Electronic Death Certificate Data

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

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Coroner Report
Reports of Investigation

Individual Law Enforcement Agencies
Reports of Investigation

Supplemental data from additional sources when needed

Analyses
Reports
Data
Dissemination
Data Users

NVDRS Web-based Database

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Flow of Information for the INVDRS

Occurrence of
Violent Death

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Vital Records
Electronic Death Certificate Data

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

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How do we identify violent death cases?

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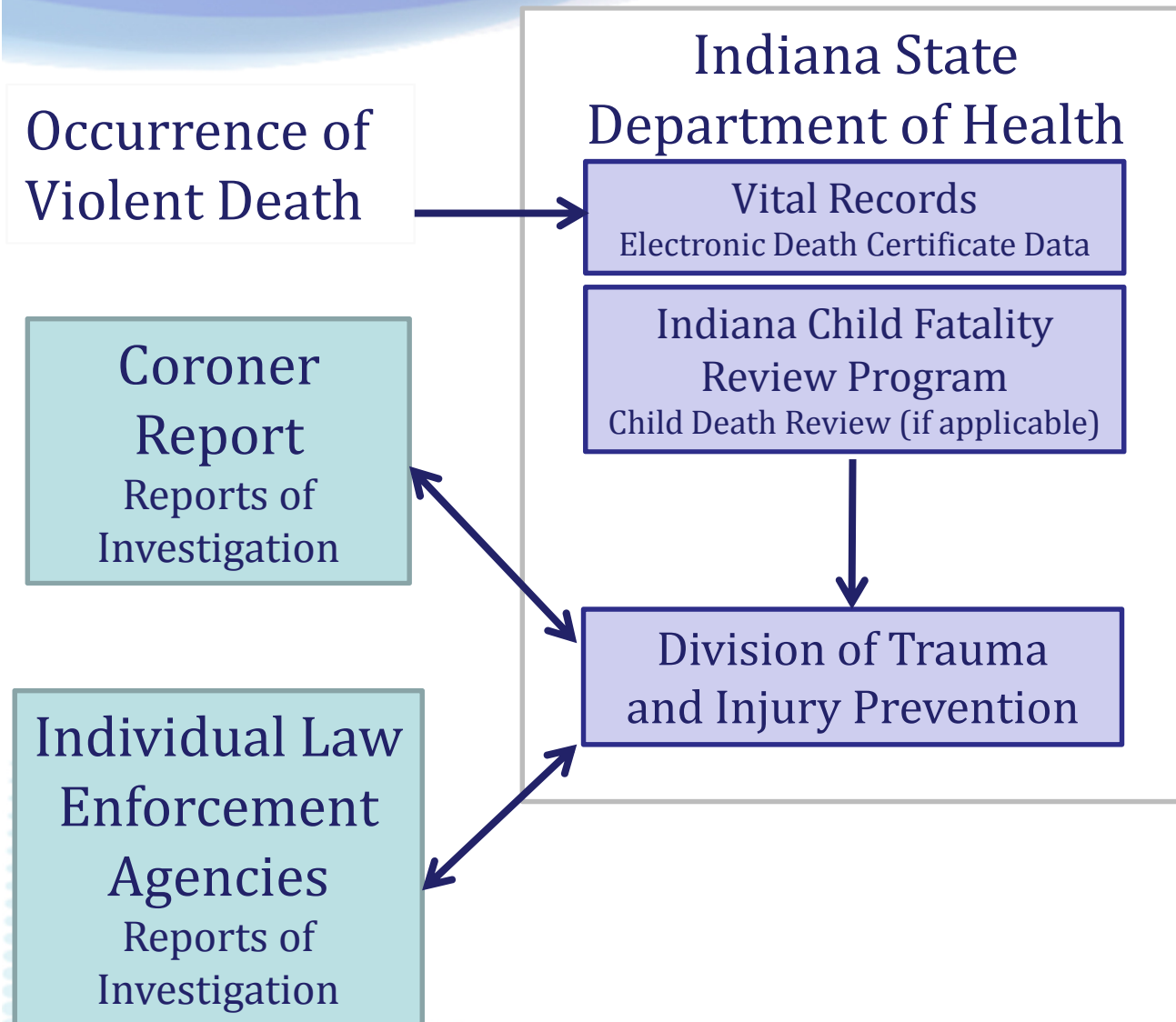
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ICD-10 External Causes of Death Codes

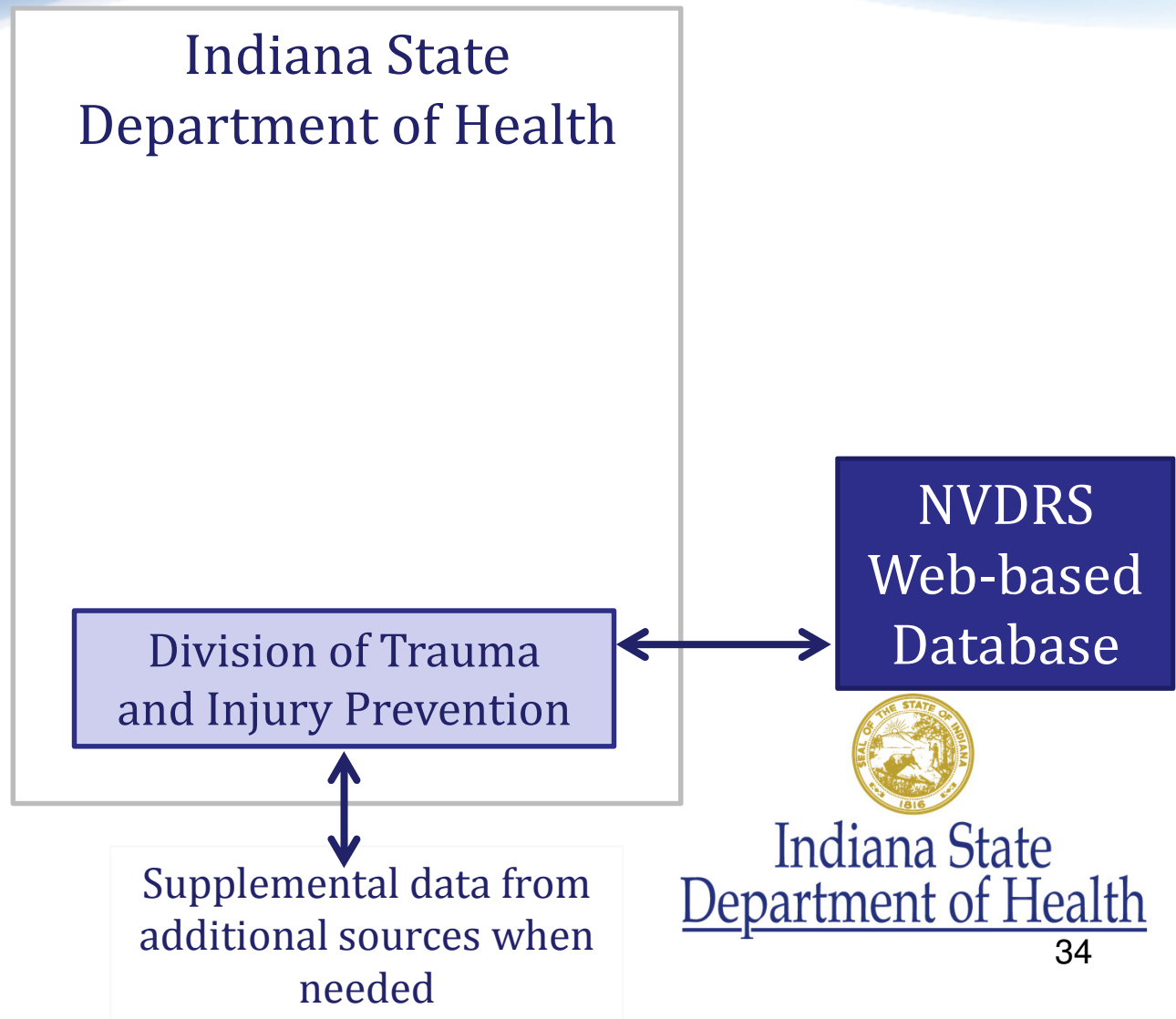| Manner of Death	ICD 10 Codes	
	Death < 1 year after the injury	Death > 1 year after the injury
Intentional self harm (suicide)	X60-84	Y87.0
Assault (homicide)	X85-X99, Y00-Y09	Y87.1
Event of undetermined intent	Y10-Y34	Y87.2, Y89.9
Unintentional exposure to inanimate mechanical forces (firearms)	W32-W34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

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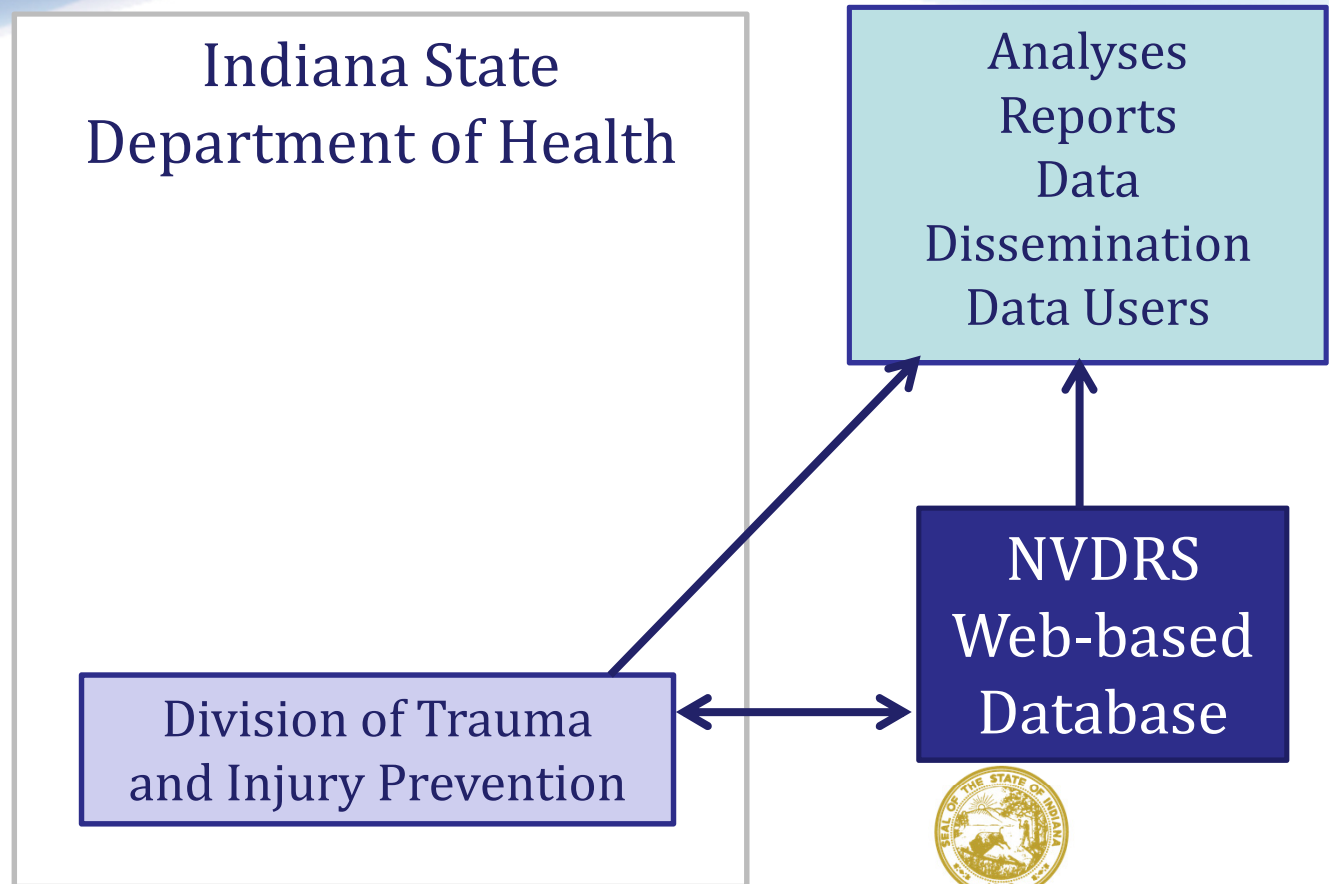
Flow of Information for the INVDRS

Occurrence of Violent Death

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Vital Records
Electronic Death Certificate Data

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

Coroner Report
Reports of Investigation

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Individual Law Enforcement Agencies
Reports of Investigation

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Flow of Information for the INVDRS

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NVDRS
Web-based
Database

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Supplemental data from
additional sources when
needed

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Flow of Information for the INVDRS

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Analyses
Reports
Data
Dissemination
Data Users

NVDRS
Web-based
Database

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Dissemination of Information

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- Community Organizations
- Coroners
- Trauma Centers
- Other Partners
- LHD
- State Agencies
- Law Enforcement Agencies

Indiana Child Fatality Review Program

Division of Trauma and Injury Prevention

Analyses
Reports
Data
Dissemination
Data Users

Advisory Board

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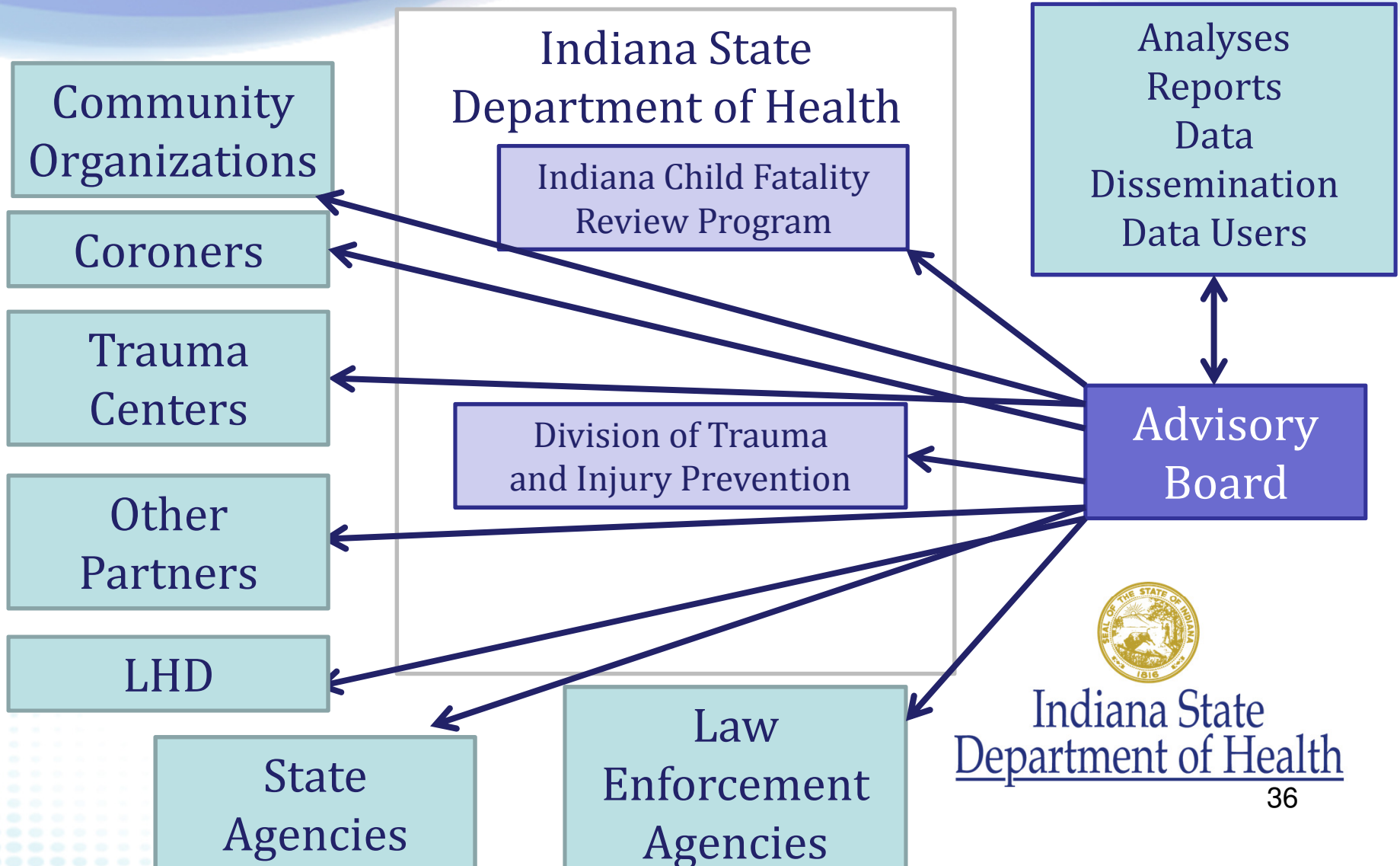
Death Certificate

- 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

Crime Lab

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

Child Fatality Review

Information on victim's
- Household
- Caregivers
- Supervision
- Previous contacts with CPS
- Relationship with perpetrator

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

} 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

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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
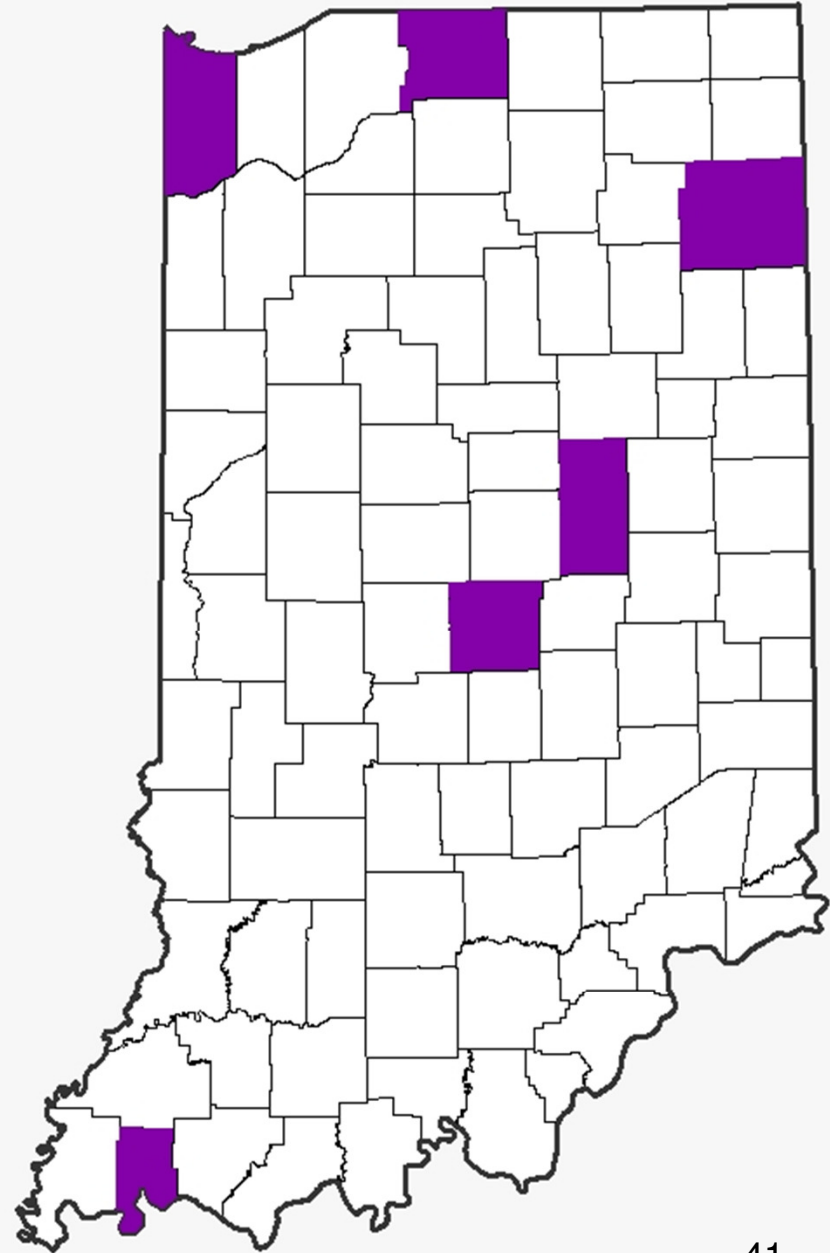
- Collect data on all child deaths (<18 years)

Indiana Violent Death Reporting System (INVDRS)

2015 Pilot Counties:

Allen
Lake
Madison
Marion
St. Joseph
Vanderburgh

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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

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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

NVDRS STATE SUCCESS STORIES

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

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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

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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

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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

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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

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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

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County Funding Ideas

- Other Thoughts?

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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

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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

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Vision

- Prevent violent deaths in Indiana

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ADVISORY BOARD: MEMBERS

Organizations (A - I)	Organizations (I - Z)
Allen County Child Fatality Review Team	ISDH Vital Records
Allen County Coroner's Office	IU Arnett
Allen County Sheriff's Department	IU Ball Memorial
Alternatives in Anderson	IU School of Medicine
American College of Emergency Physicians	IU School of Public Health
American Foundation For Suicide Prevention	Lake County Child Fatality Review Team
Anderson Police Department	Lake County Coroner
Community Hospital of Anderson	Lake County Health Department
Deaconess Hospital	Lake County Sheriff's Office
East Chicago Health Department	Lutheran Hospital
Eskenazi Health	Madison County Coroner
Evansville Police Department	Madison County Health Department
Fort Wayne- Allen County Department of	Madison County Sexual Assault Treatment
Fort Wayne Police Department	Madison County Sheriff's Department
Franciscan Alliance	Marion County Child Fatality Review Team
Gary City Health Department	Marion County Coroner
Indiana Coalition Against Domestic Violence	Marion County Health Department
Indiana Criminal Justice Institute	Marion County Sheriff's Office
Indiana Department of Child Services	Memorial South Bend
Indiana Emergency Medical Service	MESH Coalition
Indiana Emergency Nurses Association	Methodist Hospital Northlake Campus
Indiana Family & Social Services Administration Division of Mental Health and Addiction	Office of Management and Budget / MPH Project
Indiana Fraternal Order of Police	Parkview Hospital
Indiana Prosecuting Attorney's Council	Riley Hospital for Children at IU Health
Indiana Public Health Association	South Bend Police
Indiana Sheriffs' Association	St. Joseph County Child Fatality Review Team
Indiana State Coroners Association	St. Joseph County Coroner
Indiana State Coroners Training Board	St. Joseph County Health Department
Indiana State Police	St. Joseph County Sheriff's Office
Indiana Supreme Court	St. Mary's Medical Center
Indiana University	St. Vincent Anderson
Indiana University Health Methodist Trauma Services	St. Vincent Indianapolis
Indianapolis EMS	The Father's House
Indianapolis Metropolitan Police Department	Vanderburgh County Child Fatality Review Team
ISDH Child Fatality Review Program	Vanderburgh County Coroner
ISDH Division of Maternal and Child Health	Vanderburgh County Health Department
ISDH Local Health Department Outreach	Vanderburgh County Sheriff's Office
ISDH Office of Women's Health	

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

Data Topic	Death Certificates	Coroner Report	Police Report	Supplemental Homicide Report	Child Fatality Review	Crime Lab	ATF	User
Number of persons and weapons								x
Incident narrative		x	x		x			
Document tracking								x
Person type (victim/suspect)	x	x	x	x				
Name, address	x	x	x					
Age/sex/race/ethnicity	x	x	x	x				
When and where (injury/death)	x	x	x					
Cause of death ICD code(s)	x							
Manner of death	x	x			x			x
Additional person descriptors	x	x	x		x			
Alcohol and drug tests		x						
Wounds		x	x					
Associated circumstances		x	x	x	x			
Victim-suspect relationship		x	x	x				
History of victim abuse		x	x		x			
Suspect was victim caretaker		x	x		x			
Weapon type								x
Firearm trace							x	
Firearm descriptors		x	x			x		
Poison details		x	x					
Weapon used by/on person		x	x	x				
Person purchasing firearm			x				x	

2015 MEETING DATES

2015 Advisory Board Meeting Dates

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

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