

Indiana Violent Death Reporting System (INVDRS) Advisory Board Meeting

Rachel Kenny, MPH, *INVDRS*
Epidemiologist

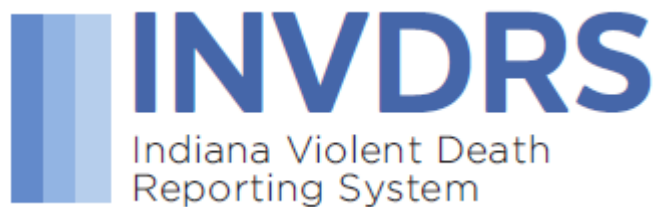


Indiana State
Department of Health



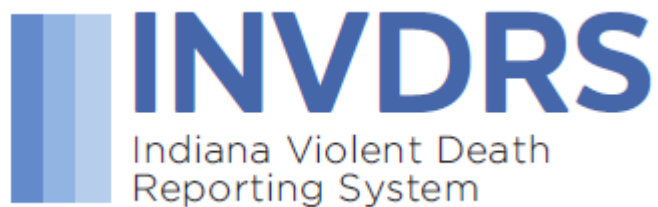
Introductions

INVDRS@isdh.in.gov



Indiana State
Department of Health

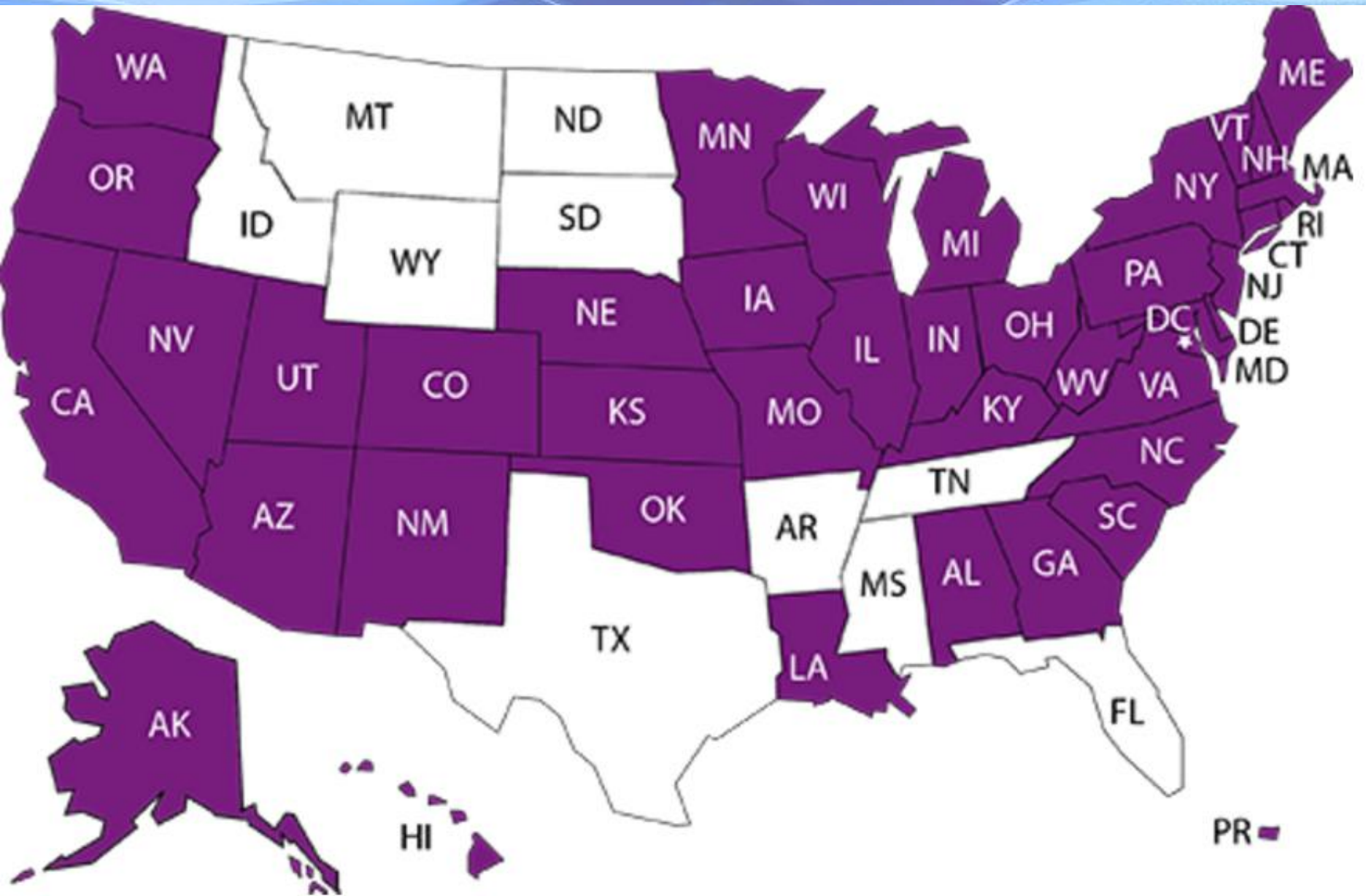
CDC Updates



Indiana State
Department of Health

Newly Funded States

- Alabama
- California
- Delaware
- District of Columbia
- Louisiana
- Missouri
- Nebraska
- Nevada
- Puerto Rico
- West Virginia



Database Updates

- New Suspect Fields:
 - “Suspect had developmental disability”
 - “Suspected alcohol use by suspect”
 - “Suspected substance use by suspect”
 - “Suspect had been in contact with Law Enforcement”
 - “Suspect was recently released from an institution”

Database Updates

- Toxicology Changes
 - Added “Argon” and “Nitrogen gas” to toxicology options
 - Expanded list of options for “Source of Carbon Monoxide”

Id	Name
1	Motorized Vehicle (e.g. car, truck, bus, motorcycle, boat)
2	Other
3	Gas tool/appliance/heater
4	Grill (gas or charcoal)
5	Fire (e.g., house fire)
8	Not Applicable
9	Unknown

Database Updates

- PDO module expanded and redesigned
- Date/Time last seen alive
- History of substance abuse
- Scene Indications of Drug Use
- Response to Overdose—Naloxone administered
- Prescription Information

Route of Drug Administration (Check all that apply)

Any evidence of drug use

No evidence of drug use

Evidence of rapid overdose

Tourniquet around arm

Needle location

Witness report rapid overdose

Other - Explain:

No information on route of administration

Evidence of injection (Check all that apply)

Track marks on victim Needles/Syringe

Tourniquet Filters

Cookers Witness Report

Other injection evidence - Specify:

Evidence of Snorting/Sniffing

Evidence of Smoking

Evidence of Transdermal

Evidence of Ingestion

Evidence of Suppository

Evidence of Sublingual

Illicit or Prescription Drugs (Check all that apply)

Evidence of prescription drugs (Check all that apply)

Prescribed to victim Not prescribed to victim

Unknown who prescribed

Type of prescription drug found (Check all that apply)

Pills/Tablets Patch

Prescription bottle Liquid

Lozenges/lollipops Vial

Witness report of prescription use

Other form - Specify:

Evidence of Illicit drugs (Check all that apply)

Powder Witness report Counterfeit pills

Tar Crystal

Other illicit drug - Specify:

National Violence Prevention Network

ABOUT US

WHAT IS NVDRS?

STATE BY STATE

ADVOCACY

SAVING LIVES

REPORTS

RESOURCES

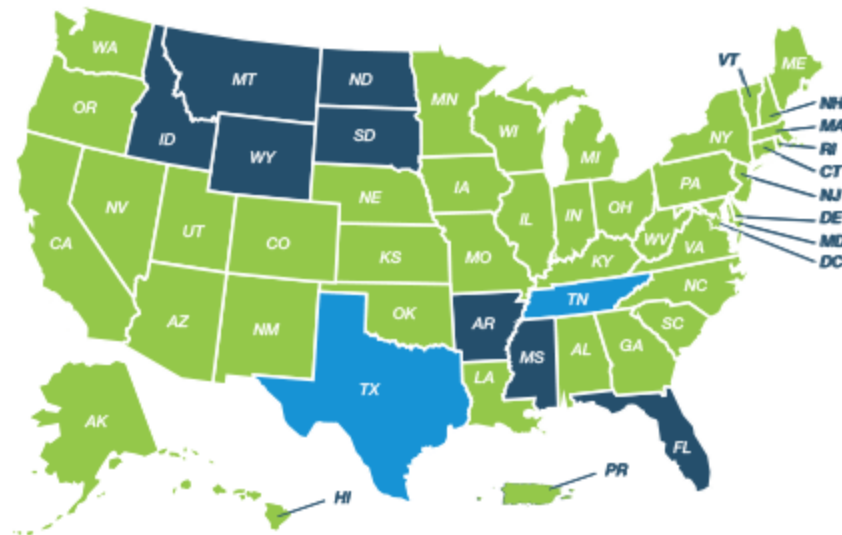
Why We Need NVDRS

Each year, more than 53,000 Americans die violent deaths. We need solid data to help us inform prevention strategies and reduce the toll.

Housed in the Centers for Disease Control and Prevention (CDC), the National Violent Death Reporting System (NVDRS) can help. The National Violence Prevention Network is a broad coalition of public health officials, anti-violence organizations and law enforcement groups working to get NVDRS completed and fully funded. Here's how you can help.



Test your knowledge about violent deaths



Select a State ▼

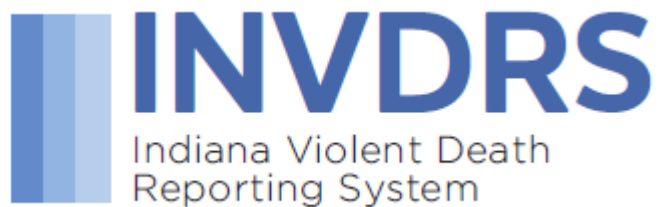
■ NVDRS-funded states

■ NVDRS-approved, but not funded

■ States without NVDRS coverage

Email Questions: INVDRS@isdh.in.gov

Data Provider Update



Indiana State
Department of Health

CDC Certificate of Confidentiality

CONFIDENTIALITY CERTIFICATE

Issued to

Employees of

Indiana State Department of Health and Other Participants

conducting research known as

INDIANA VIOLENT DEATH REPORTING SYSTEM (INDVRS)

In accordance with the provisions of Section 301(d) of the Public Health Service Act (42 U.S.C. § 241(d)) this certificate is issued to protect the privacy of research subjects by withholding their identities from all persons not connected with the research.

Under authority vested in the Secretary of Health and Human Services under that section, all persons who

- (1) are employed by Indiana State Department of Health and their contractors and cooperating agencies; and
- (2) have, in the course of that employment, access to the information which would identify individuals who are the subjects of a research project entitled “Indiana Violent Death Reporting System” are hereby authorized to protect the privacy of the individuals who are the subjects of that research by withholding their names and other identifying characteristics from all persons not connected with the conduct of that research, with the exceptions and limitations set forth below.

As provided in Section 301(d) of the Public Health Service Act (42 U.S.C. § 241(d)), “Persons so authorized to protect the privacy of such individuals may not be compelled in any Federal, State, or local civil, criminal, administrative, legislative, or other proceedings to identify such individuals.”

The following conditions apply to the protection provided under this certificate:

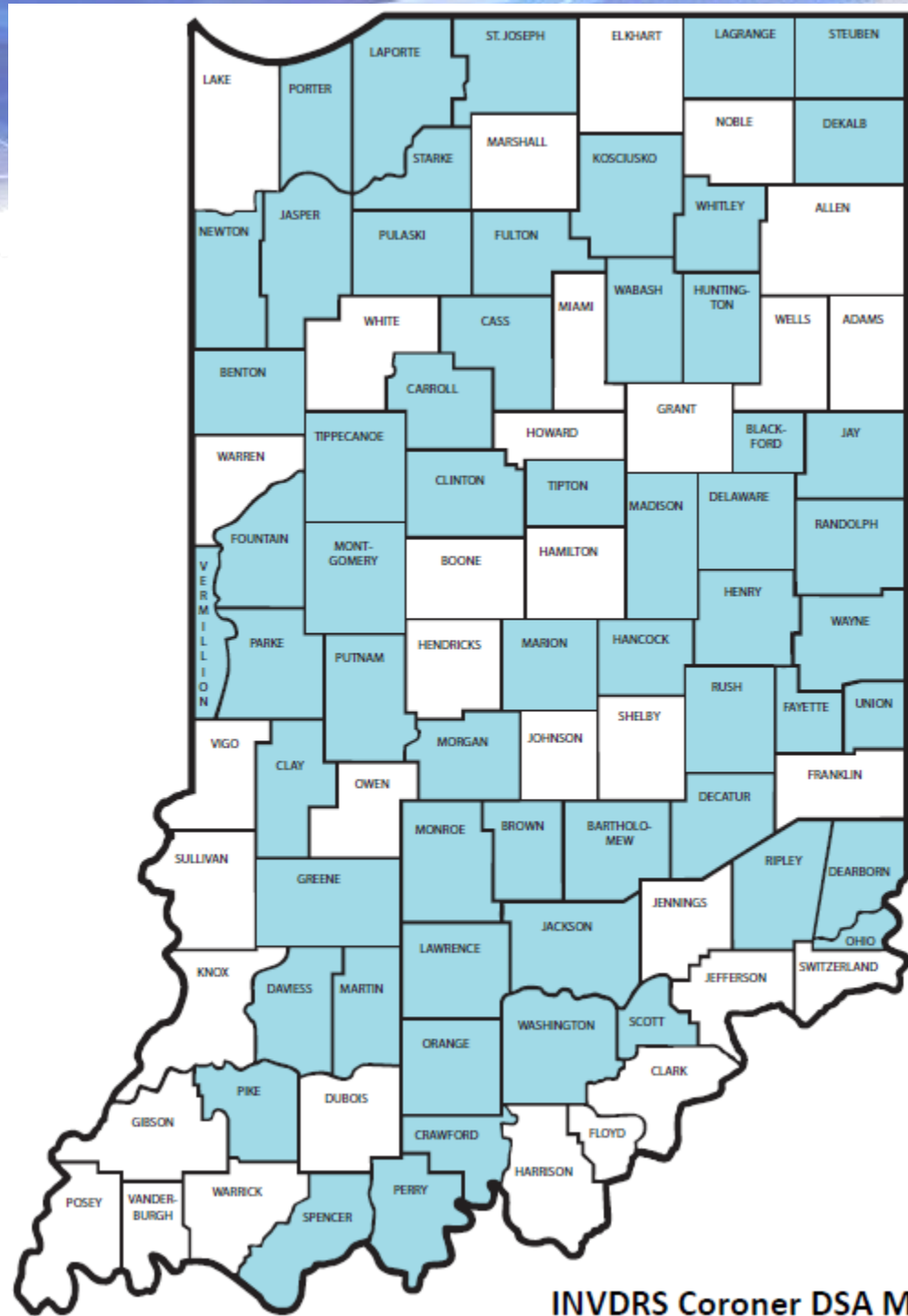
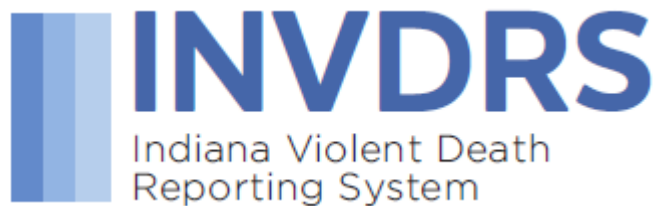
- (1) This certificate does not authorize Indiana State Department of Health or their contractors or cooperating agencies to refuse to reveal identifying information concerning research subjects if any of the following conditions exist:
 - (a) The subject (or, if he or she is legally incompetent, his or her guardian) consents in writing to disclosure of identifying information.
 - (b) Authorized personnel of the United States Department of Health and Human Services request such information for audit or program evaluation of the research project, or for investigation of Indiana State Department of Health or their contractors or cooperating agencies in carrying out the research project.
 - (c) Release is required by the Federal Food, Drug, and Cosmetic Act (21 U.S.C. §§ 301 et seq.) or regulations promulgated thereunder (Title 21, Code of Federal Regulations).

- (2) This certificate requires that there be no disclosures of identifying characteristics of research subjects in any Federal, State, or local civil, criminal, administrative, legislative, or other proceedings to compel disclosure of the identifying characteristics of research subjects, except as provided for in paragraph (1) above.
- (3) The confidentiality certificate does not govern the voluntary disclosure of identifying characteristics of research subjects.

(6) This certificate is effective upon issuance and will expire at the end of July 2021, or sooner if the holder is notified of cancellation in accordance with the procedures set out in 42 C.F.R. § 2a.8. The protection afforded by this certificate of confidentiality is permanent (including after death) for persons who participated as subjects in the research during any time the certificate was in effect.

Coroners

- 59 signed data sharing agreements
- Madison county has signed on!



Connections?

- Boone
- Dubois
- Floyd
- Hendricks
- Jefferson
- Jennings
- Knox
- Owen
- Posey
- Shelby
- Sullivan
- Switzerland
- Vigo
- Warrick

Please contact: Mlawry@isdh.in.gov

Law Enforcement

- 323 DSAs
- At least one department in every county except White
- Working to get IMPD onboard
 - Having trouble meeting with Chief Riggs



Indiana State
Department of Health

20

Email Questions: indianatrauma@isdh.in.gov



Data Abstraction

Data Abstraction

- Streamlining our records collection and abstraction processes.
- Developing an action plan for 2016 data year when the case load will almost double due to the inclusion of accidental overdose cases.

Abstraction Travel

- Went to the South Bend PD to abstract ~35 records from their offices

Data Availability and Deadlines

Data Year	Death Certificate Data	Complete INVDRS Data-CDC Deadline
2015	Sept. 2016 (prelim), January 2017 (final)	June 2017
2016	Sept. 2017 (prelim), January 2018 (final)	June 2018
Etc.		

Case Completion

- 209 of the 767 Pilot County 2015 cases are complete!
 - This means we have received and abstracted the law enforcement report and coroner report

Case Completion

County	Uncomplete Cases	Reason
Allen	37	Out of state injuries, out of county injuries, recent coroner request
Lake	59	Out of state injuries, recent coroner request
Madison	30	Recent coroner request
Marion	348	IMPD not participating
St. Joseph	69	Sheriff's Department not participating, Homicide unit
Vanderburgh	19	Open homicide cases, out of state injuries

Upcoming Data Reports

- **Suicides in Indiana Report—Early 2017**
 - Data years 2011-2015 (mortality), 2011-2014 (morbidity)
- **2015 INVDRS Preliminary Data Brief**
 - Early 2017
 - Majority data from the death certificate
 - Focus on Pilot Counties
 - May be a supplement to the Suicides in Indiana Report

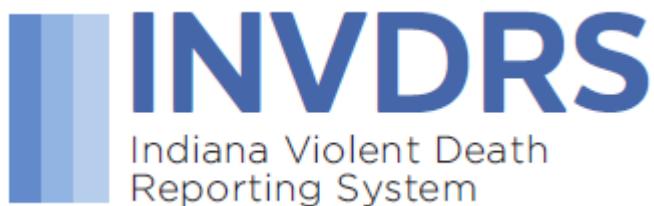


The Northwest Indiana Public Safety Data Consortium

Dr. Joseph Ferrandino
Email: joferran@iun.edu

Data Update

All data is preliminary



Indiana State
Department of Health

29

Email Questions: INVDRS@isdh.in.gov



Data Year—2015

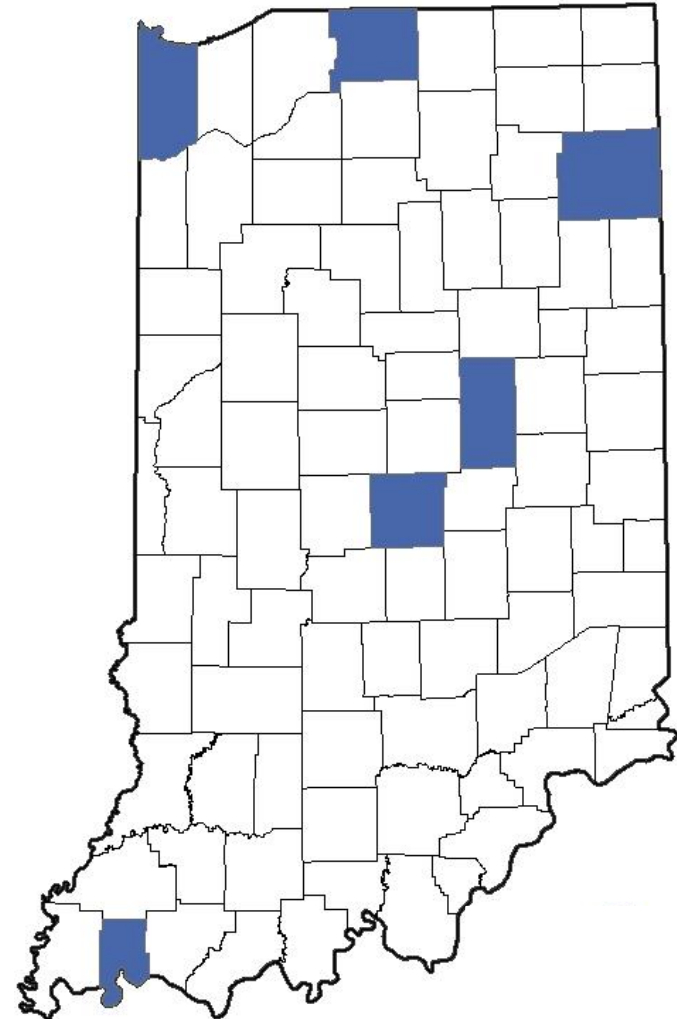
Death Certificates-2015

- 1575 cases statewide (as of August 2016)
 - 971 Suicides (62%)
 - 398 Homicides (25%)
 - 183 Undetermined (12%)
 - 21 Accidental or Natural (1%)

*preliminary
numbers

Death Certificates

- Pilot Counties
 - 49% of all cases (766)
 - 41% of all suicides (401)
 - 78% of all homicides (311)



*preliminary
numbers

Death Certificates

	All Pilot	Marion	Lake	Allen	St. Joseph	Vanderburgh	Madison
Total	766	357	151	102	76	51	29
Suicide	401	161	69	62	44	40	25
Homicide	311	168	77	33	22	10	*

Counts for other manners of death not shown



***preliminary numbers**



Indiana State Department of Health

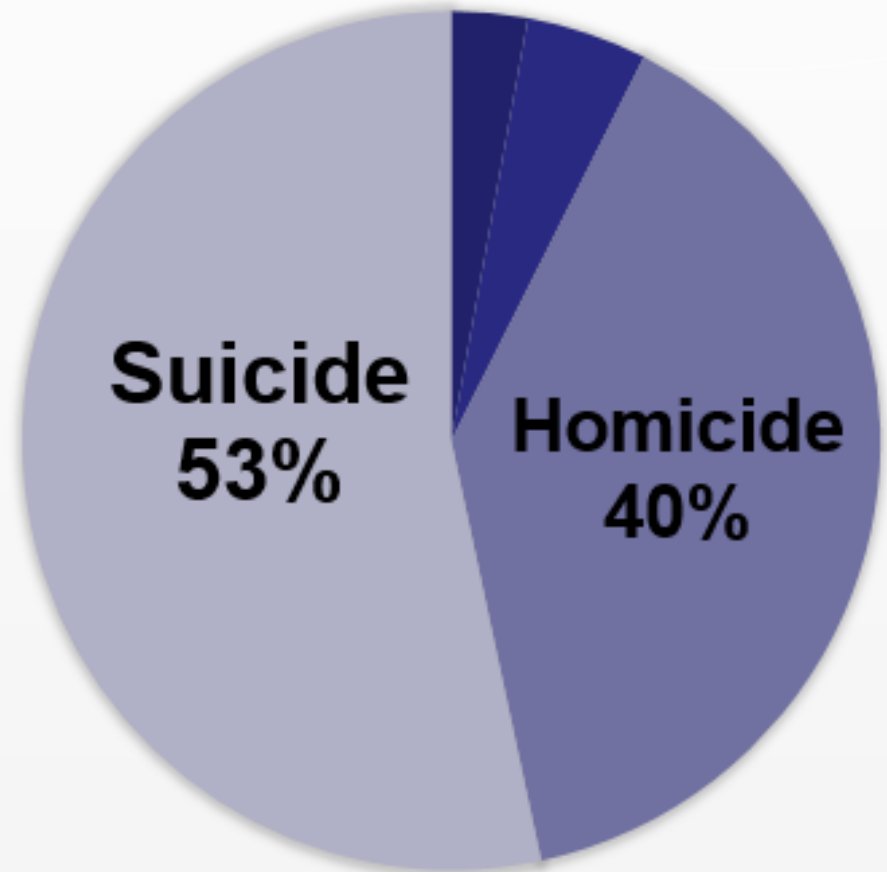
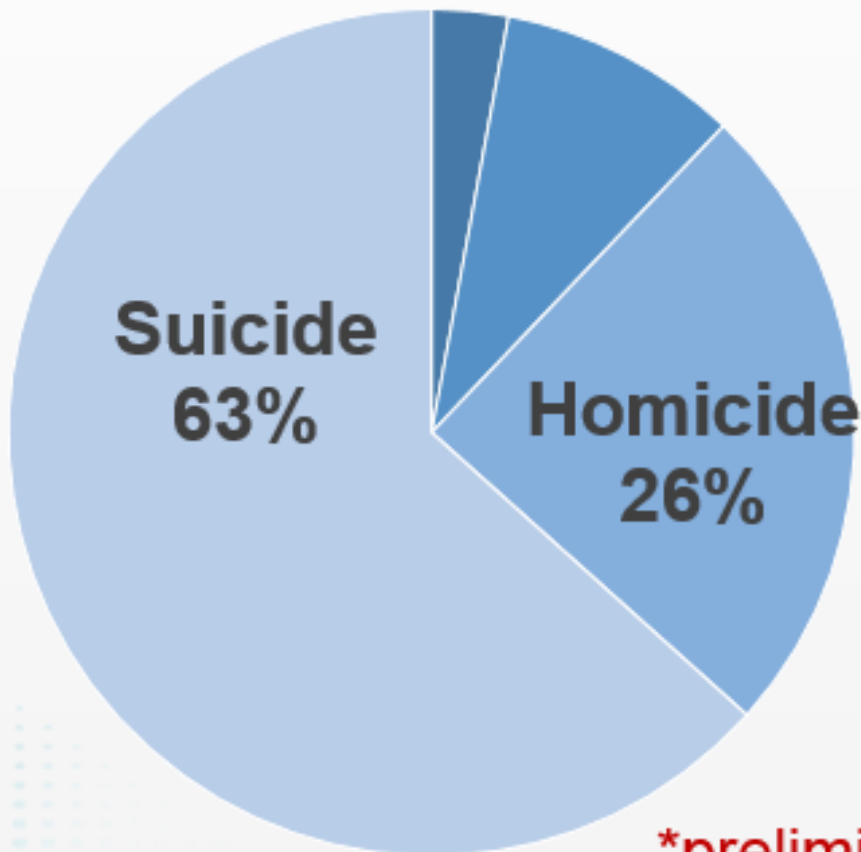
Violent Death County Rank by Death Count-2015

- | | |
|-------------------|-------------------|
| 1. Marion—357 | 8. Johnson—38 |
| 2. Lake—151 | 9. Elkhart—35 |
| 3. Allen—102 | 10. Hamilton—32 |
| 4. St. Joseph—76 | 11. Tippecanoe—32 |
| 5. Vanderburgh—51 | 12. Porter—30 |
| 6. Howard—45 | 13. Madison—29 |
| 7. Vigo—41 | 14. Delaware--27 |

Death Manner

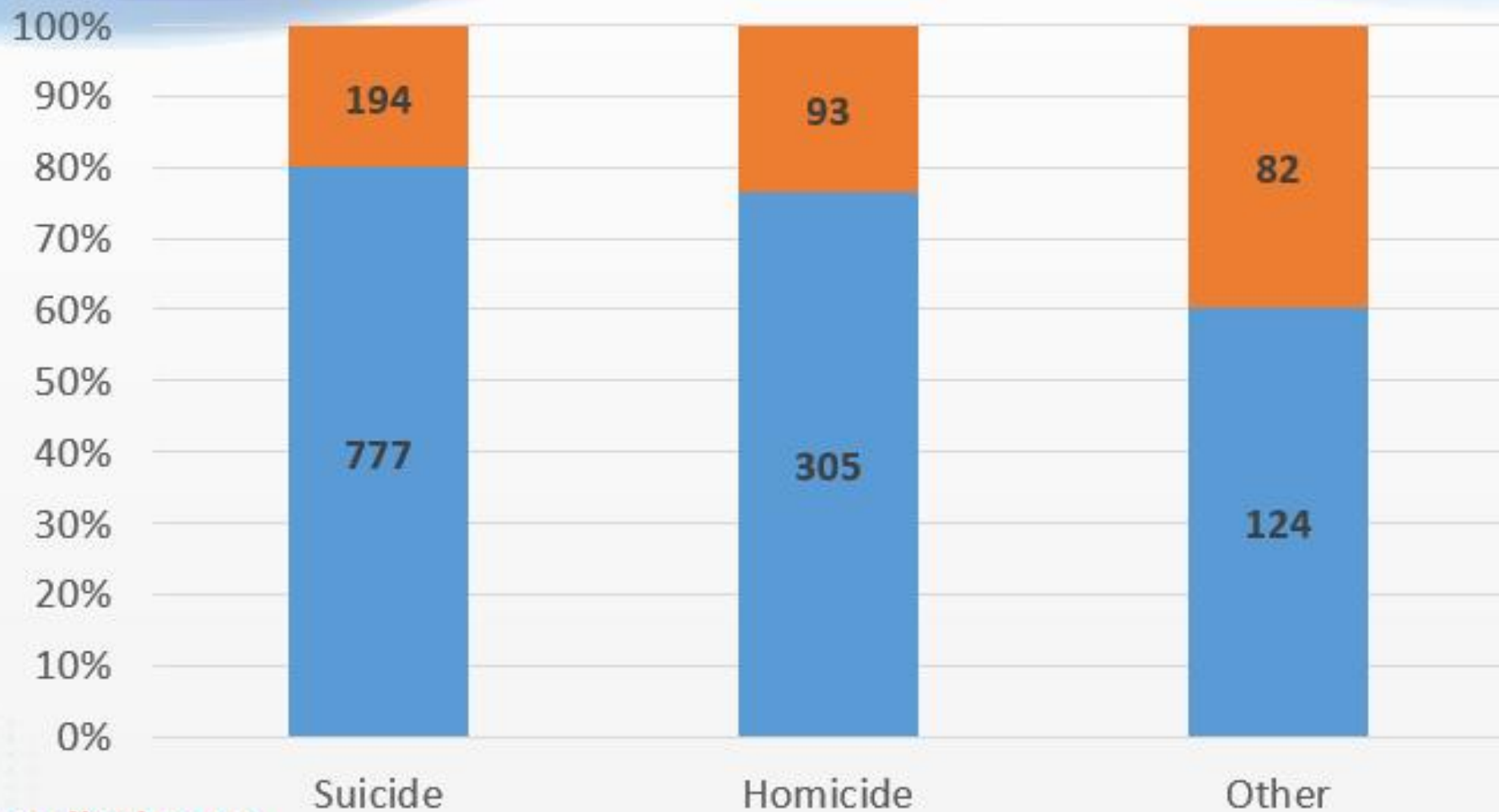
Statewide

Pilot Counties



***preliminary
numbers**

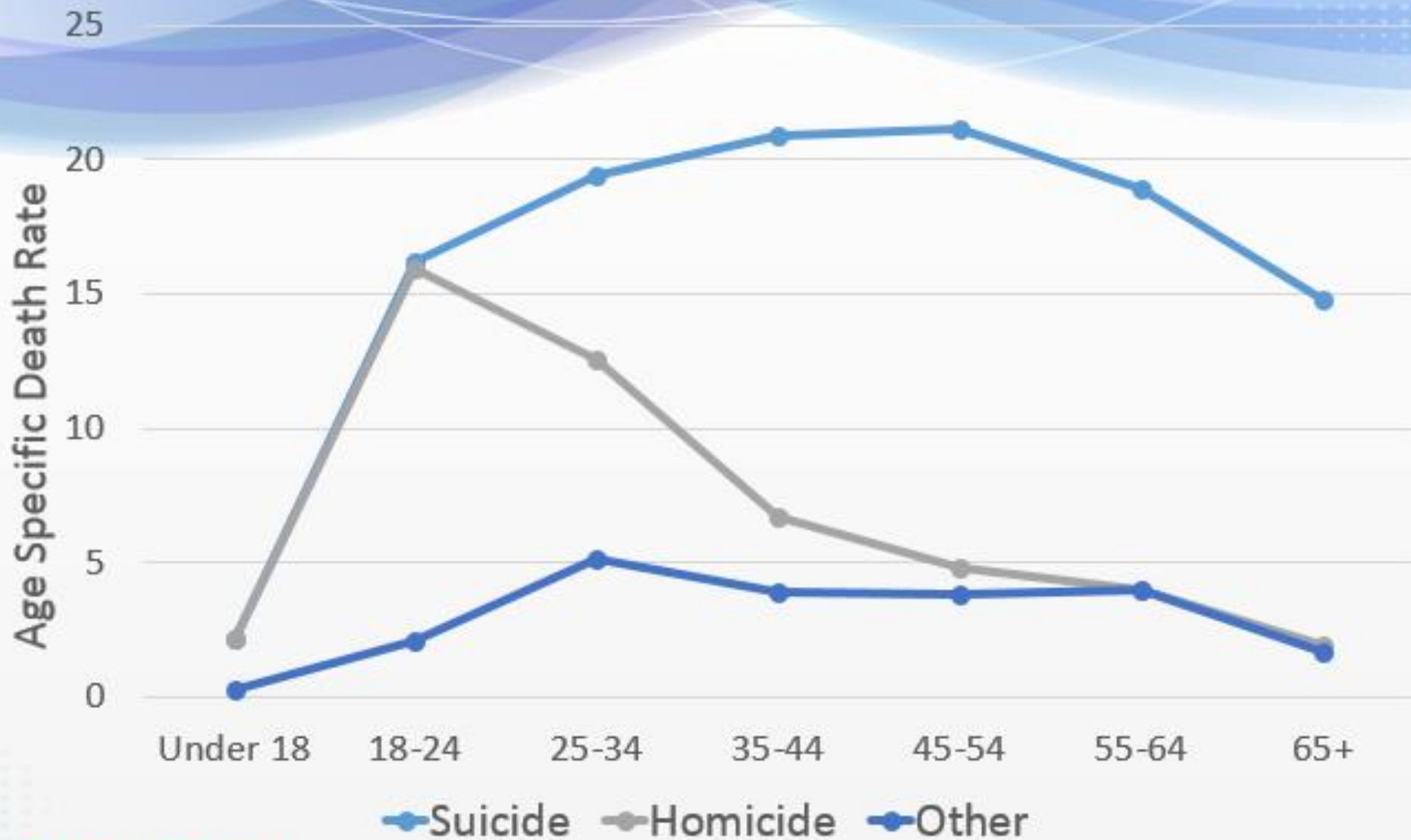
Percentage of Cases by Manner and Sex



***preliminary numbers**

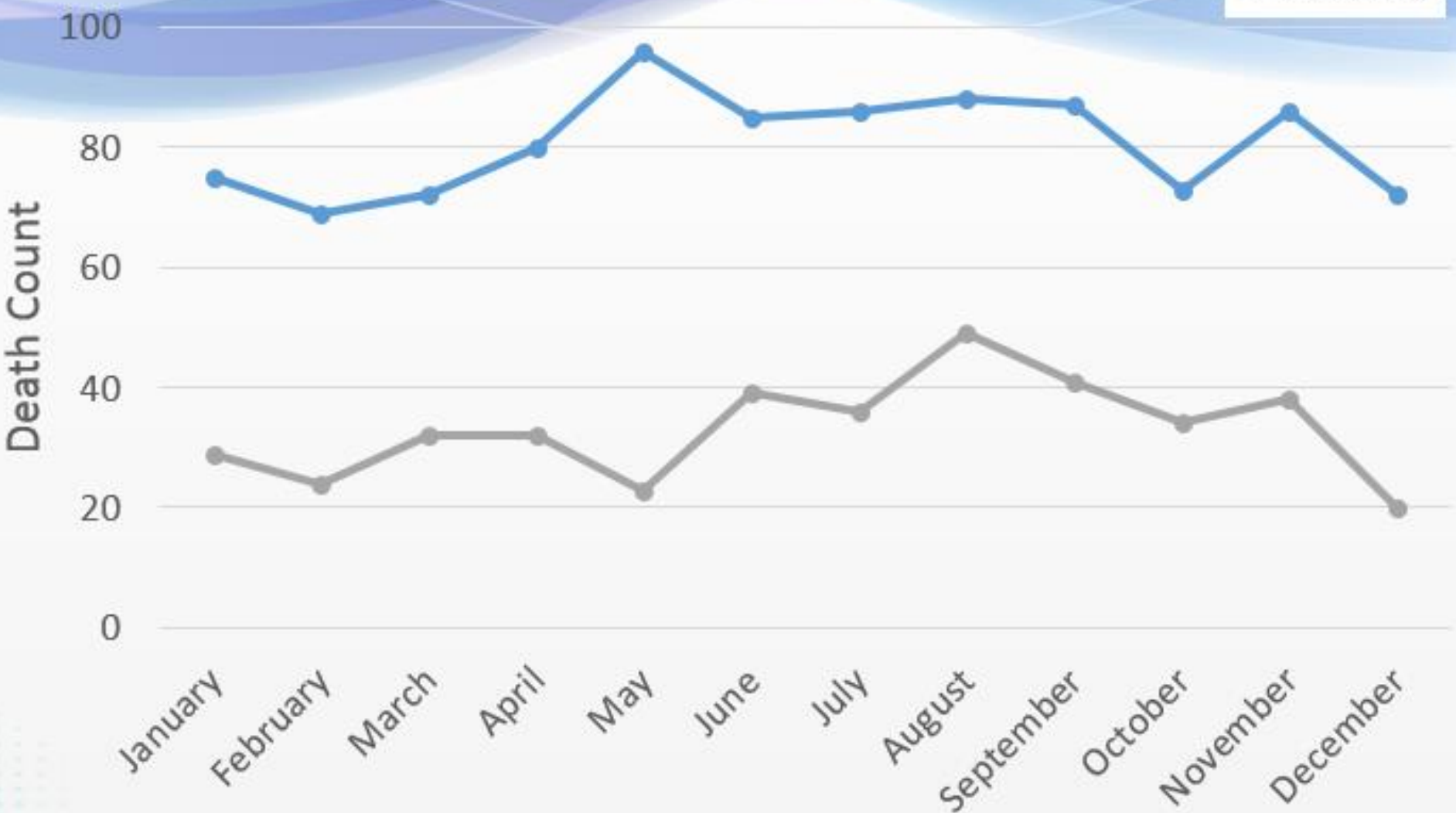
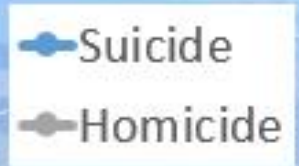
■ Male ■ Female

Manner of Death by Age Group



*preliminary
numbers

Manner of Death by Month



*preliminary numbers

Suicide Crude Rates

	2010	2011	2012	2013	2014	2015
Overall	13.4	13.4	14.3	14.3	14.3	14.7
Males	21.1	21.3	23.3	23.3	23.3	23.8
Females	5.8	6.0	5.7	5.7	5.7	5.8

Rates per 100,000 people

***2015-preliminary numbers**

**2010-2014 Rates via CDC Wonder

Rates by Sex and Race

2015 Suicide Rate

- Whites—15.96
- African Americans—7.85

- White Males—**25.88**
- White Females—6.29
- AA Males—14.02
- AA Females—Unstable

2015 Homicide Rate

- Whites—2.82
- African Americans—34.08

- White Males—3.89
- White Females—1.77
- AA Males—**58.36**
- AA Females—11.52

Rates per 100,000 people

Homicide Crude Rates

	2010	2011	2012	2013	2014	2015
Overall	4.9	4.8	5.3	6.1	5.5	6.0
Males	7.7	7.3	8.1	9.6	8.9	9.4
Females	2.1	2.4	2.5	2.6	2.2	2.7

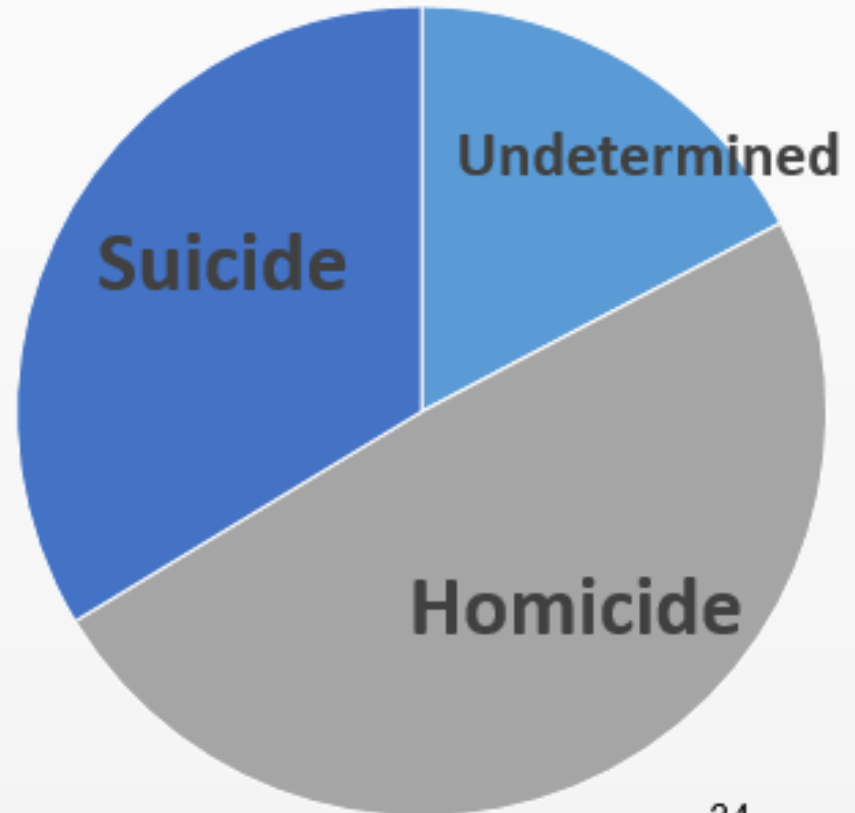
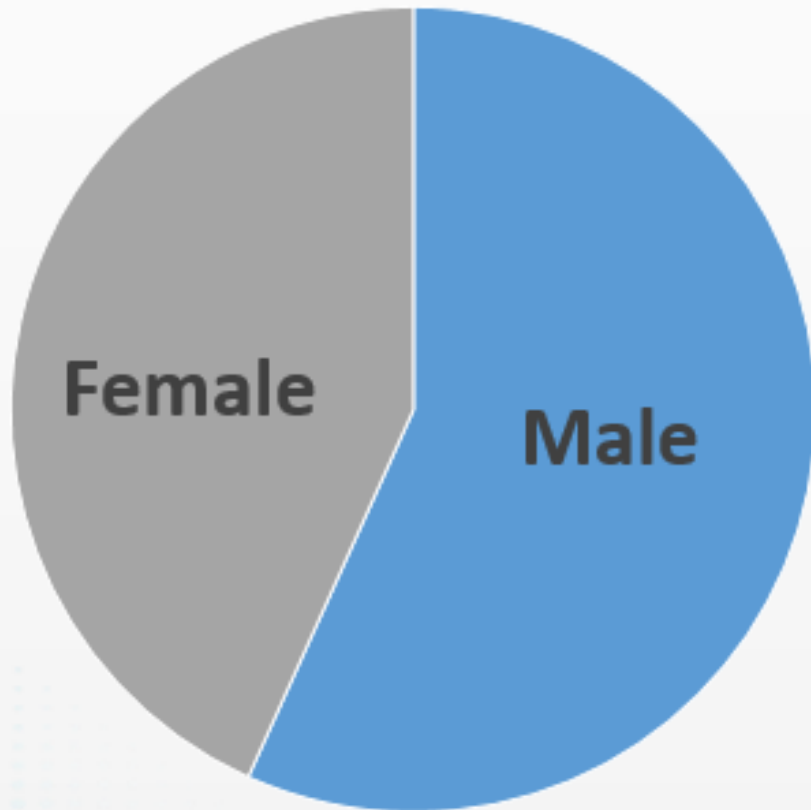
Rates per 100,000 people

***2015-preliminary numbers**

**2010-2014 Rates via CDC Wonder

Child Deaths-2015

- 104 violent deaths of individuals <18



Child Deaths Over Time



***2015-preliminary numbers**
****1999-2014 Rates via CDC Wonder**

Email Questions: INVDRS@isdh.in.gov

Public Health Preparedness Districts



- District Rates based on County of Residence

2015 District Suicide Rate Rank

- | | |
|---------------------|---------------------|
| 1. District 7—22.6 | 7. District 2—13.2 |
| 2. District 10—19.8 | 8. District 1—12.8 |
| 3. District 6—15.0 | 9. District 4—12.4 |
| 4. District 9—14.6 | 10. District 3—11.6 |
| 5. District 8—14.0 | |
| 6. District 5—13.7 | |

*preliminary
numbers

Rates per 100,000 people

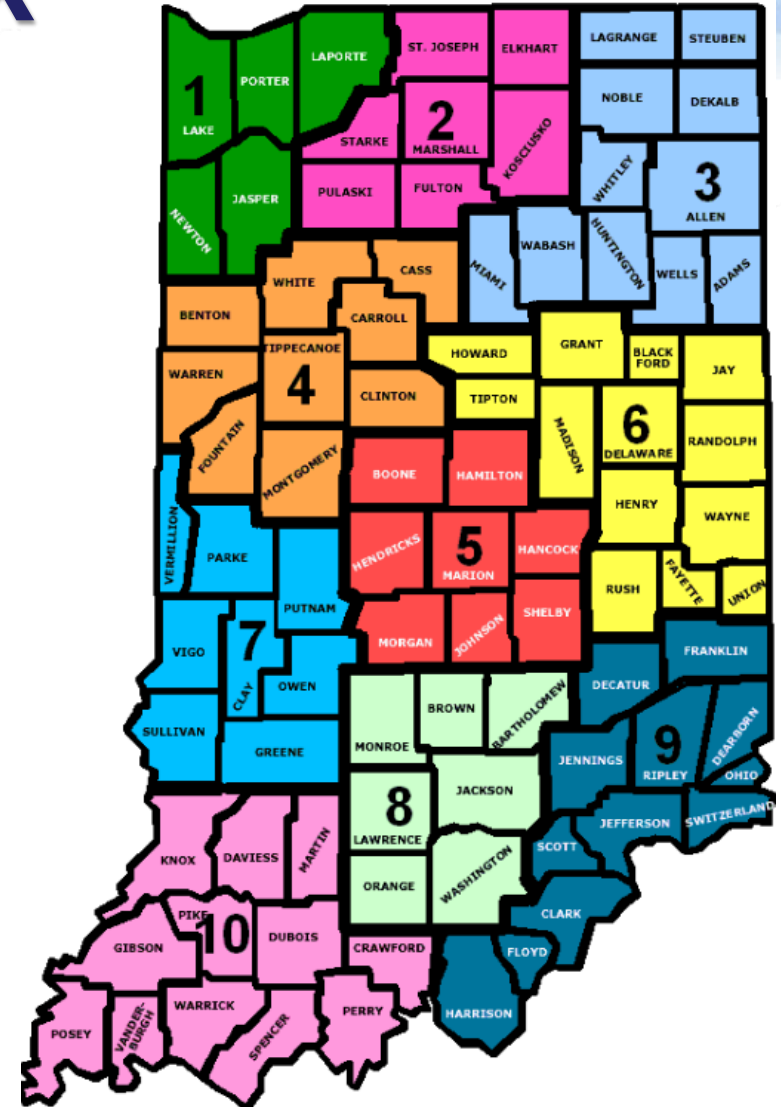
2015 District Homicide Rate Rank

1. District 1—9.7
2. District 5—8.9
3. District 2—5.5
4. District 3—4.4
5. District 6—4.3

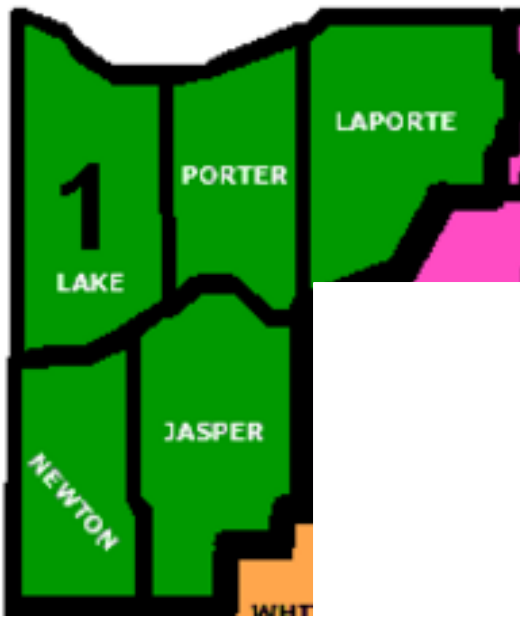
Rates per 100,000 people

*preliminary numbers

Public Health Preparedness Districts



Email Questions: INVDRS@isdh.in.gov

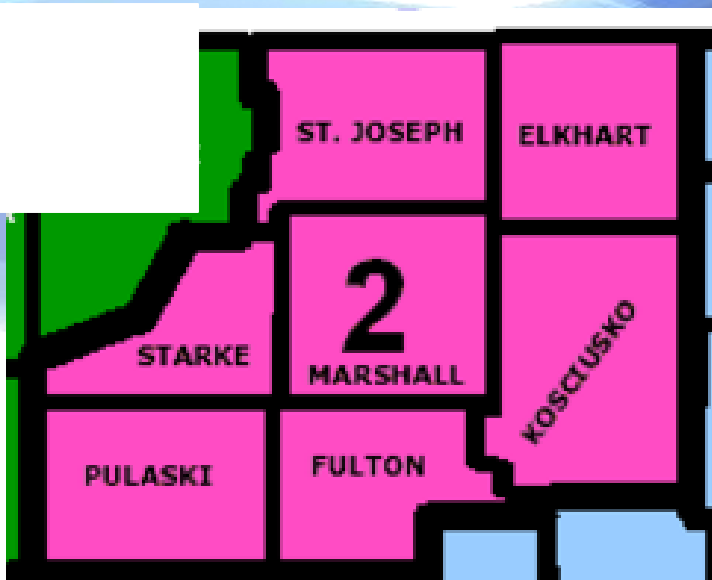


District 1

	2011	2012	2013	2014	2015
Suicide	13.3	15.8	14.0	14.9	12.8
Homicide	8.9	9.5	10.4	10.9	9.7

*2015--preliminary numbers

Rates per 100,000 people



District 2

	2011	2012	2013	2014	2015
Suicide	12.8	10.3	14.2	12.0	13.2
Homicide	8.9	9.5	10.4	10.9	9.7

***2015--preliminary numbers**

Rates per 100,000 people

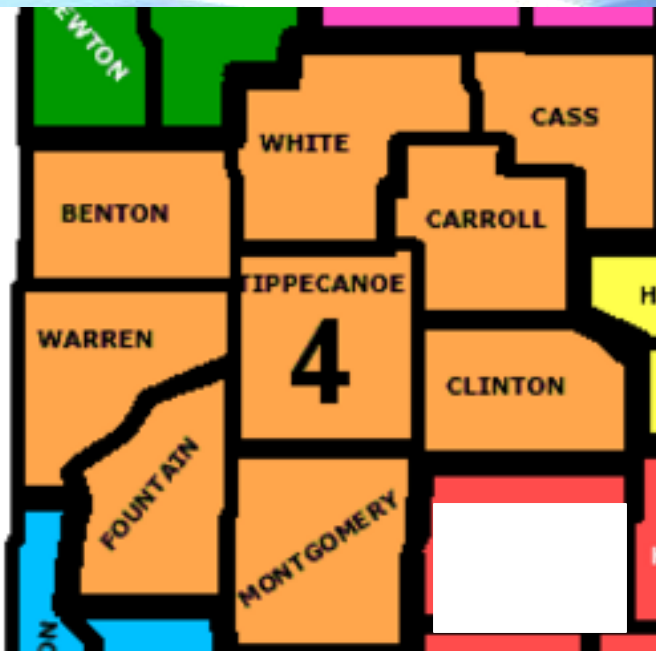


District 3

	2011	2012	2013	2014	2015
Suicide	10.0	13.3	10.9	11.9	11.6
Homicide	3.5	4.4	7.3	Unstable	4.4

*2015--preliminary numbers

Rates per 100,000 people



District 4

	2011	2012	2013	2014	2015
Suicide	11.0	13.1	15.2	11.1	12.4
Homicide	Unstable	Unstable	Unstable	Unstable	Unstable

*2015--preliminary numbers

Rates per 100,000 people

50

Email Questions: INVDRS@isdh.in.gov

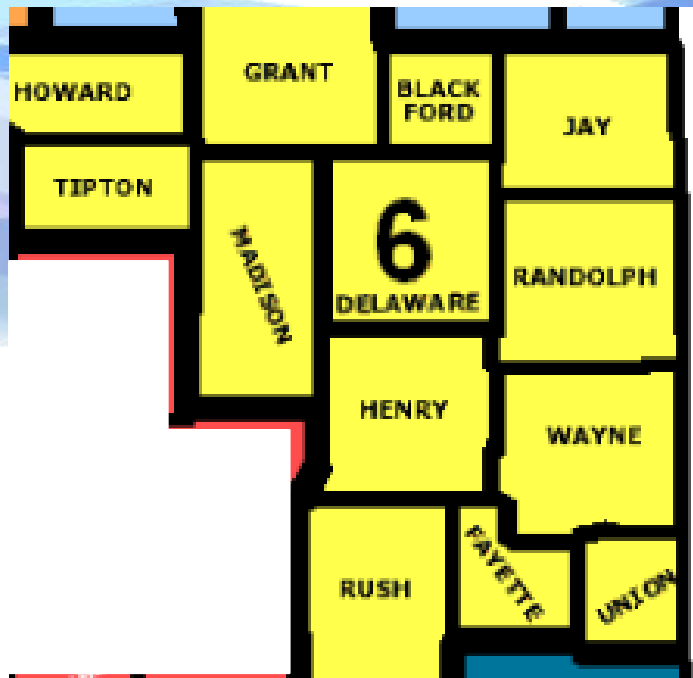


District 5

	2011	2012	2013	2014	2015
Suicide	12.7	13.4	14.6	14.1	13.7
Homicide	6.8	7.1	9.6	8.8	8.9

*2015--preliminary numbers

Rates per 100,000 people

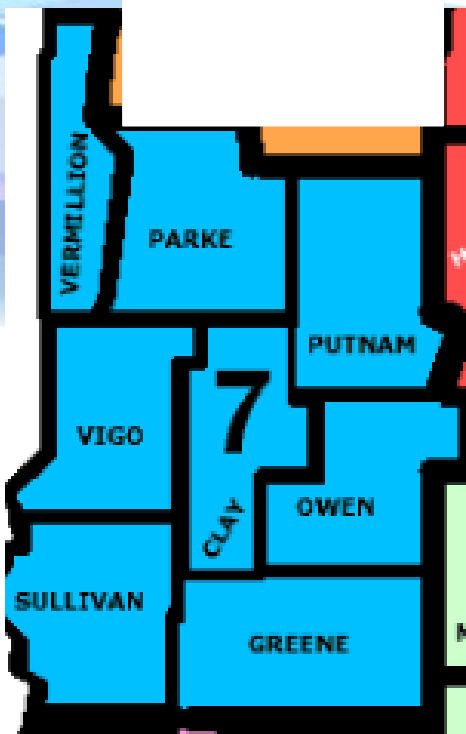


District 6

	2011	2012	2013	2014	2015
Suicide	16.5	16.7	12.8	13.2	15.0
Homicide	Unstable	4.1	Unstable	Unstable	4.3

*2015--preliminary numbers

Rates per 100,000 people



District 7

	2011	2012	2013	2014	2015
Suicide	14.2	18.5	22.8	22.5	22.6
Homicide	Unstable	Unstable	Unstable	Unstable	Unstable

*2015--preliminary numbers

Rates per 100,000 people



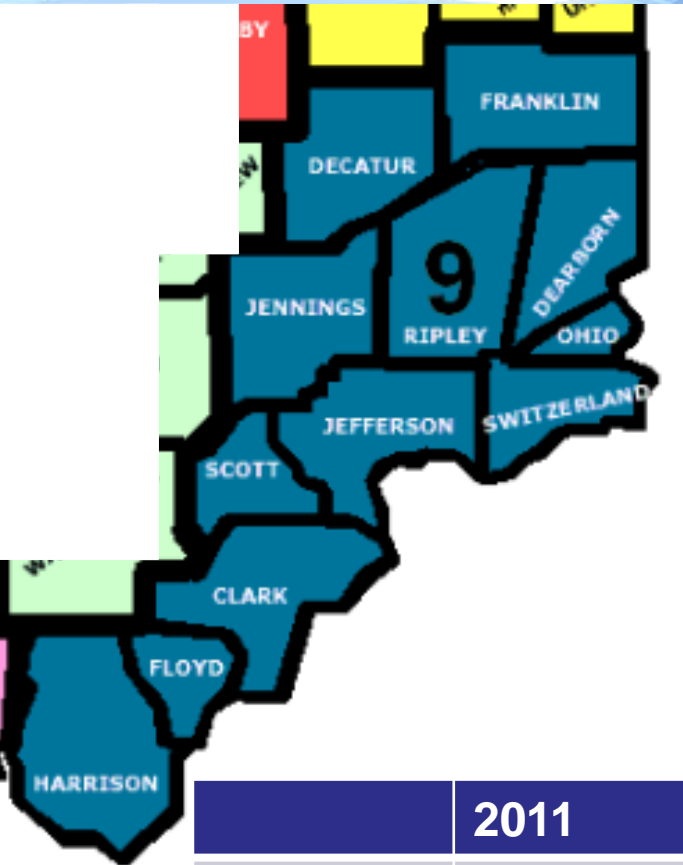
District 8

	2011	2012	2013	2014	2015
Suicide	14.6	14.8	14.5	14.4	14.0
Homicide	Unstable	Unstable	Unstable	Unstable	Unstable

*2015--preliminary numbers

Rates per 100,000 people

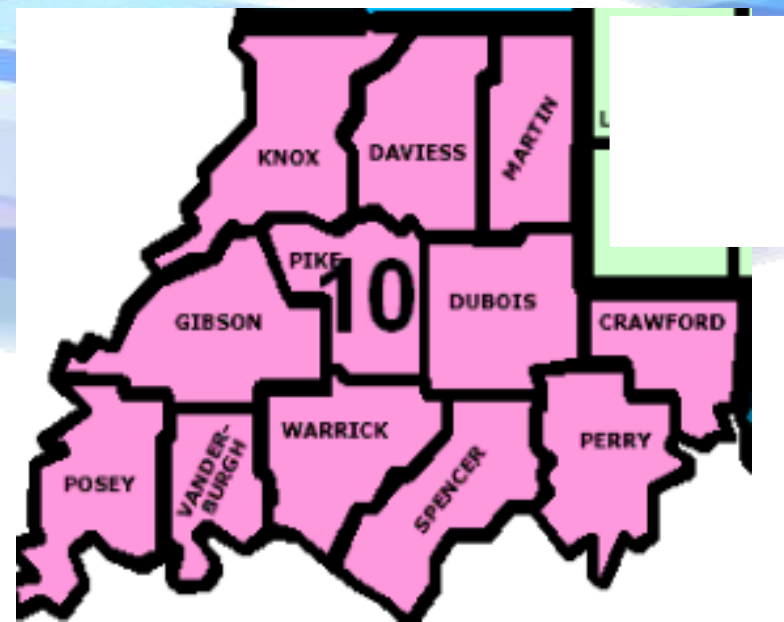
District 9



	2011	2012	2013	2014	2015
Suicide	15.4	16.9	12.7	17.9	14.6
Homicide	4.6	Unstable	Unstable	Unstable	Unstable

*2015--preliminary numbers

Rates per 100,000 people



District 10

	2011	2012	2013	2014	2015
Suicide	20.3	16.0	18.2	18.2	19.8
Homicide	Unstable	Unstable	Unstable	4.3	Unstable

*2015--preliminary numbers

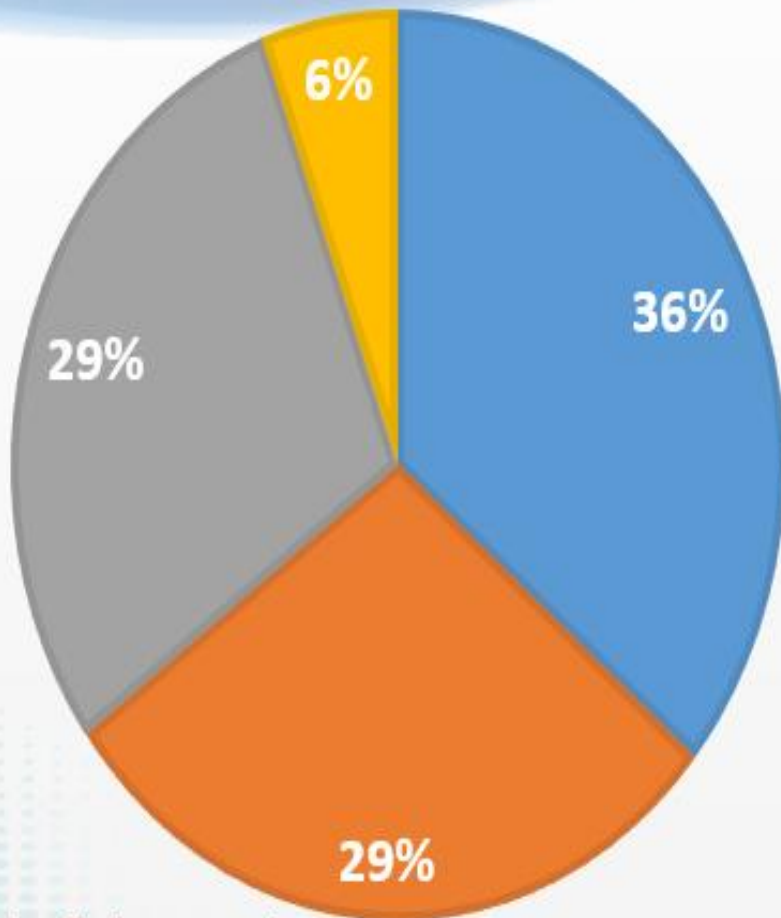
Rates per 100,000 people



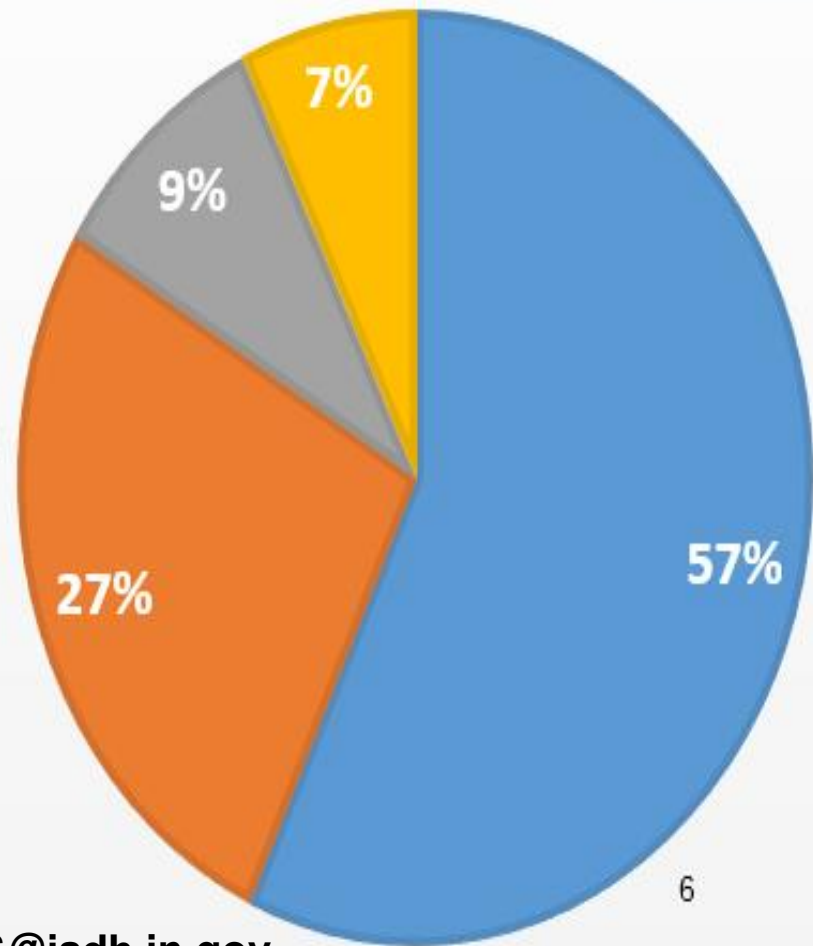
Suicide Circumstances

Mechanism of Injury by Sex

FEMALE



MALE



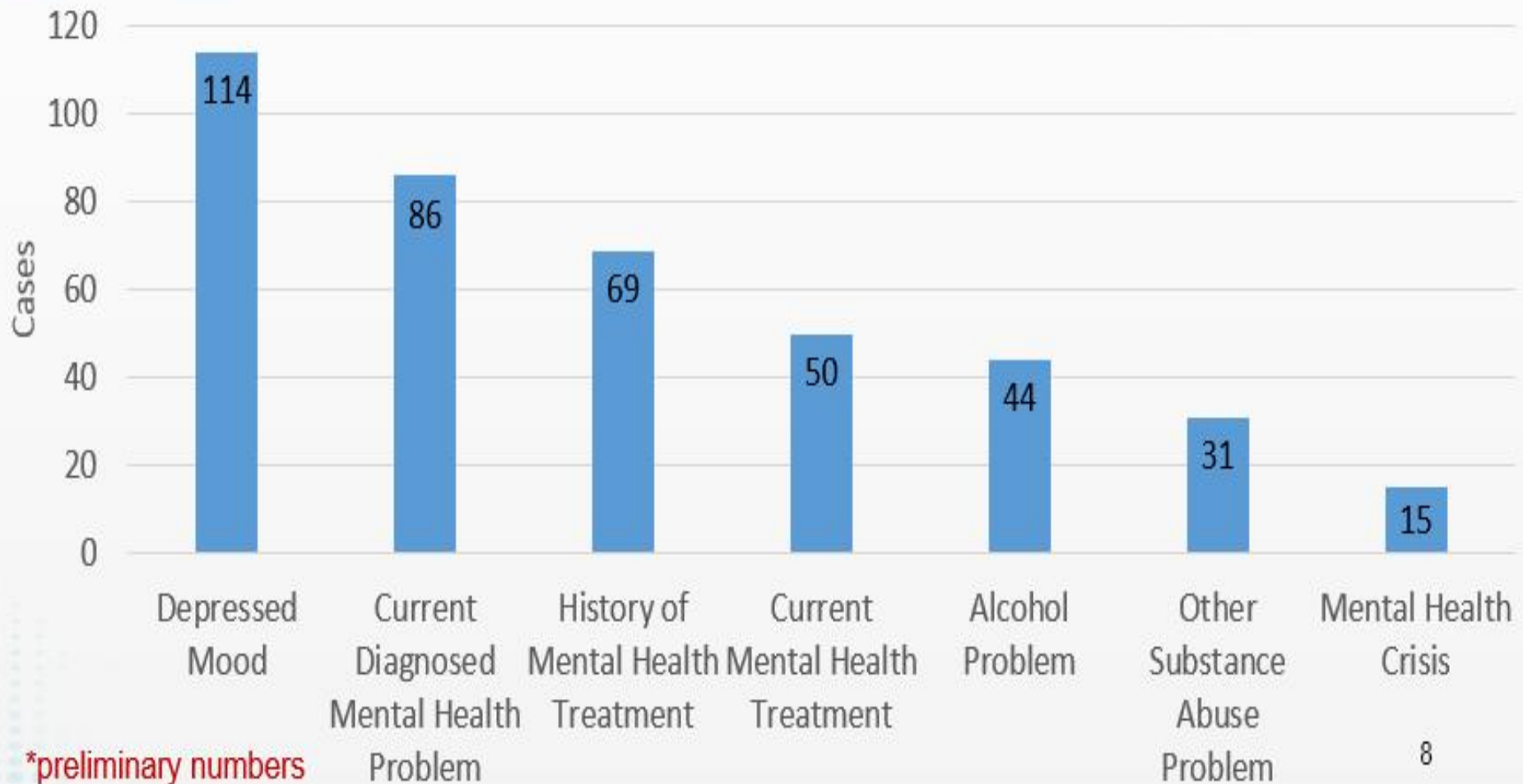
- Firearm
- Suffocation
- Poisoning
- Other

*preliminary numbers

Email Questions: INVDRS@isdh.in.gov

Mental Health and Addiction Circumstances

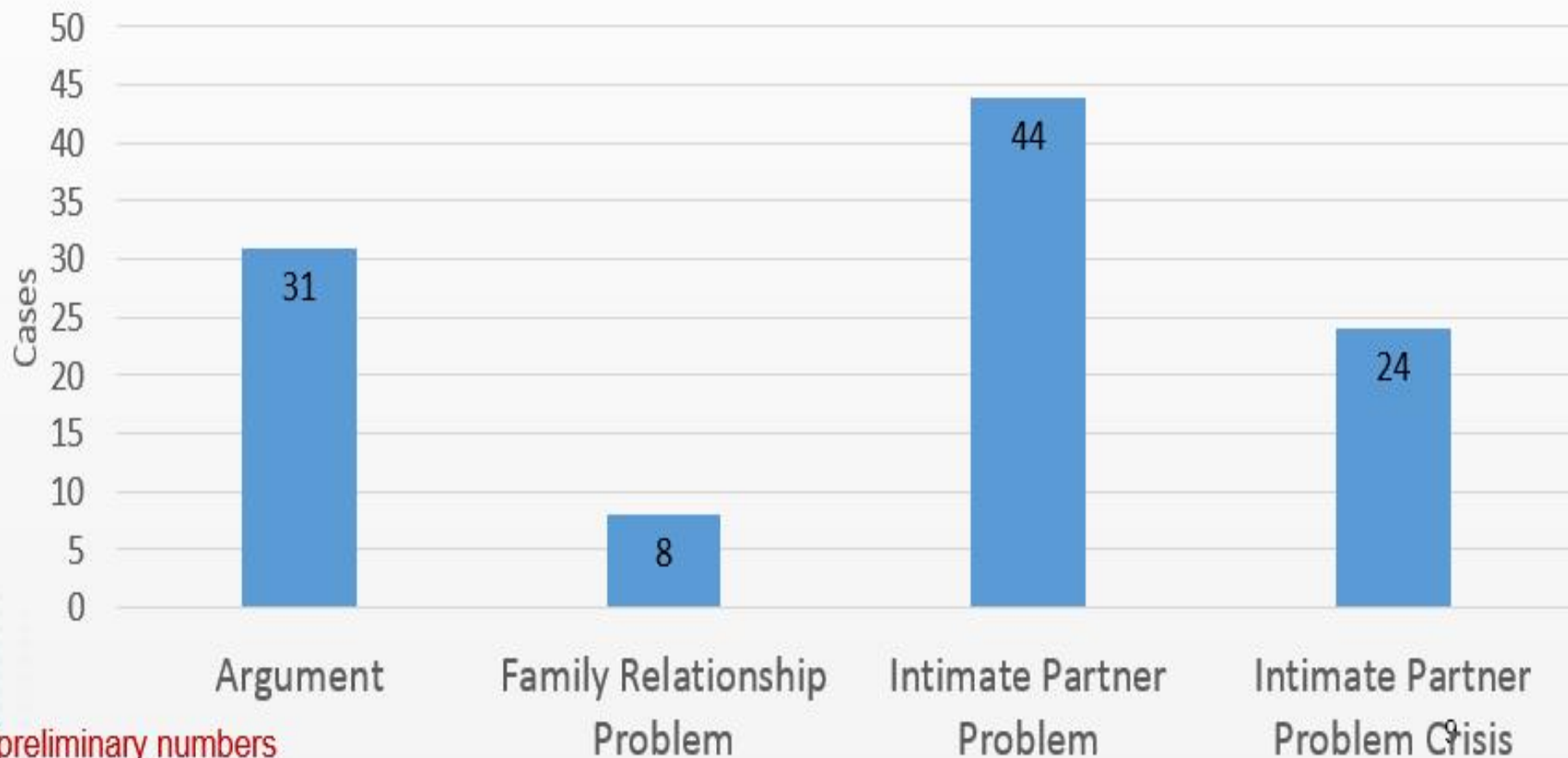
N=340



Email Questions: INVDRS@isdh.in.gov

Relationship Circumstances

N=340

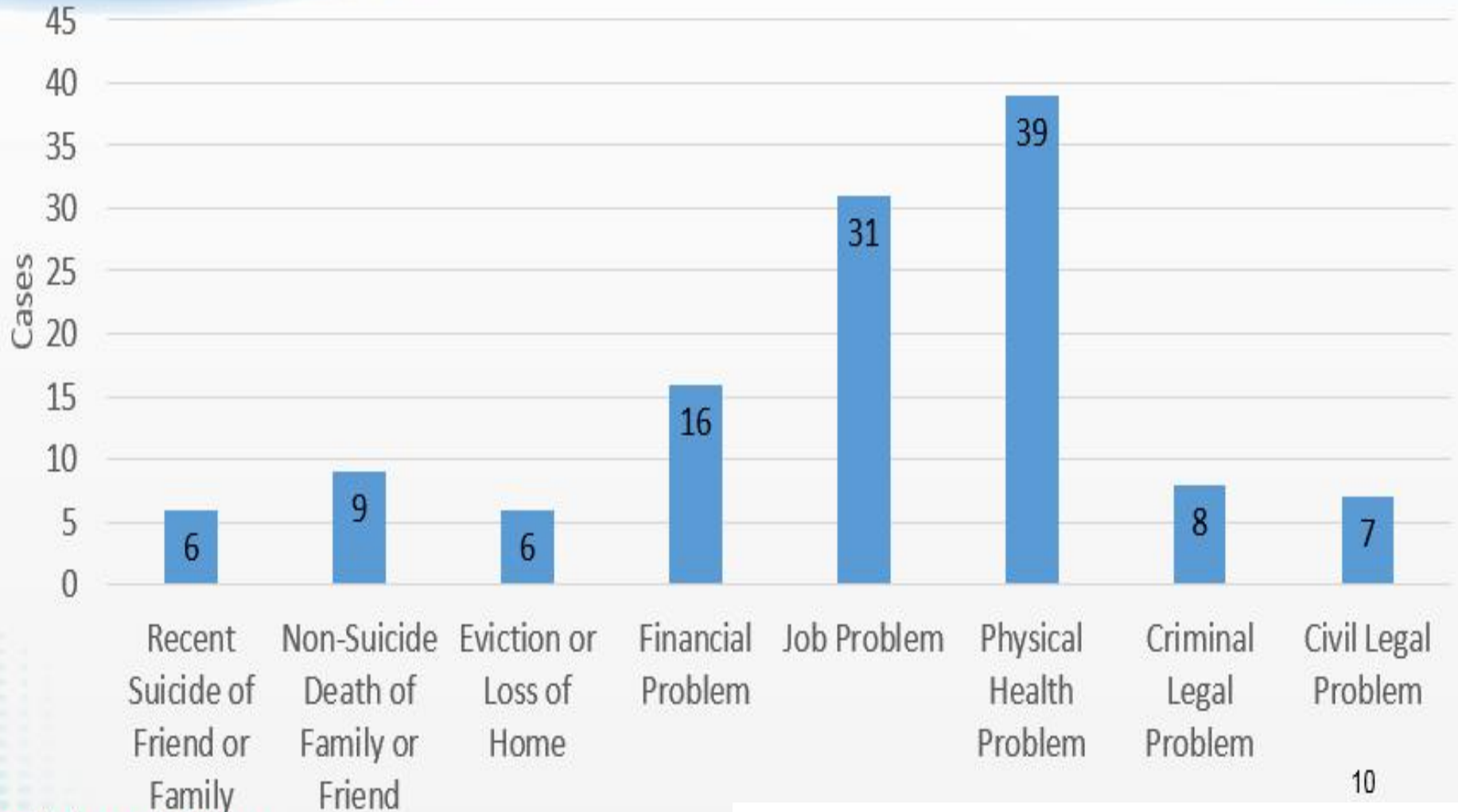


*preliminary numbers

Email Questions: INVDRS@isdh.in.gov

Other Life Stressors

N=340



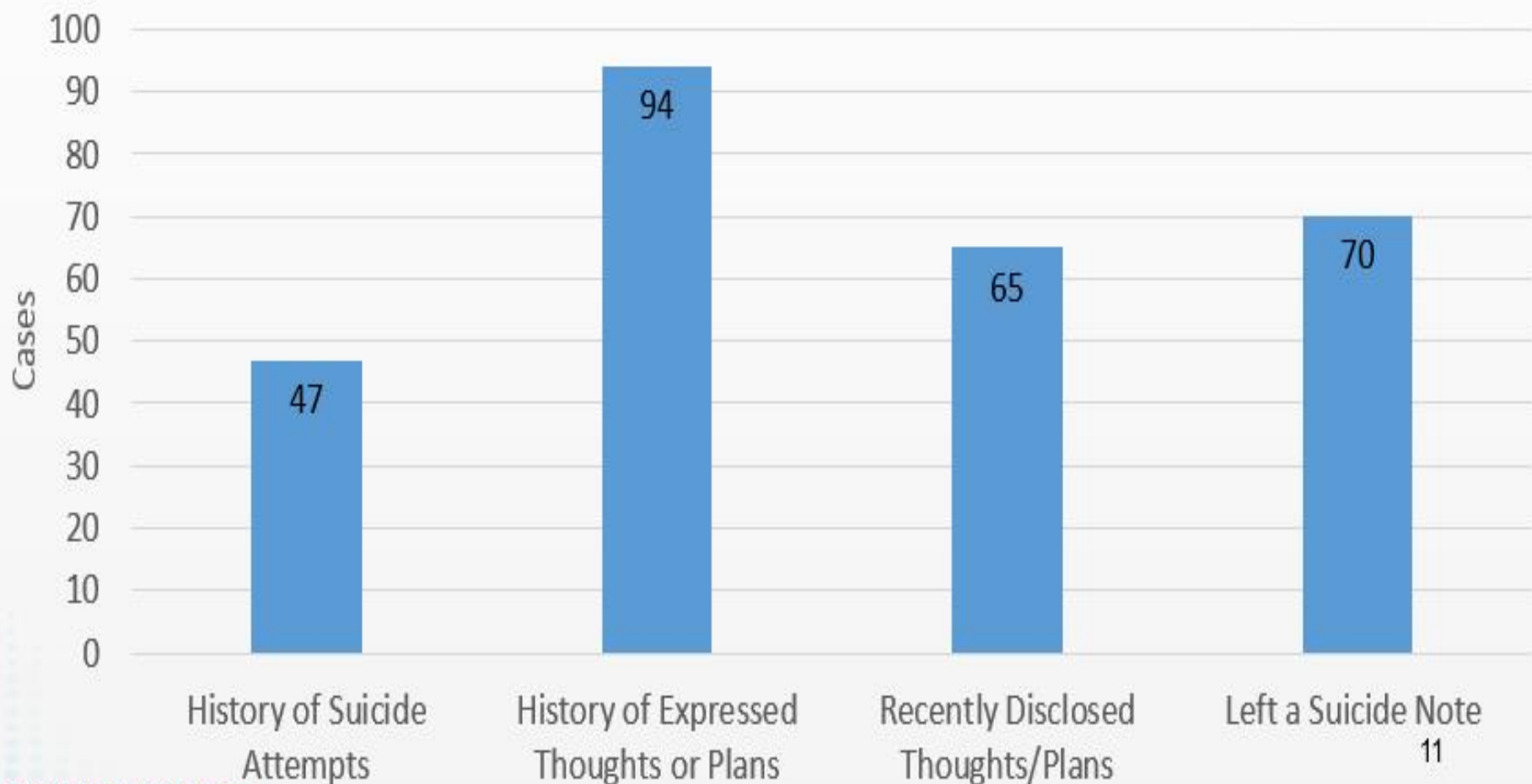
10

*preliminary numbers

Email Questions: INVDRS@isdh.in.gov

Suicide History and Disclosure

N=340



*preliminary numbers

Email Questions: INVDRS@isdh.in.gov



Data Year—2016

All data is preliminary

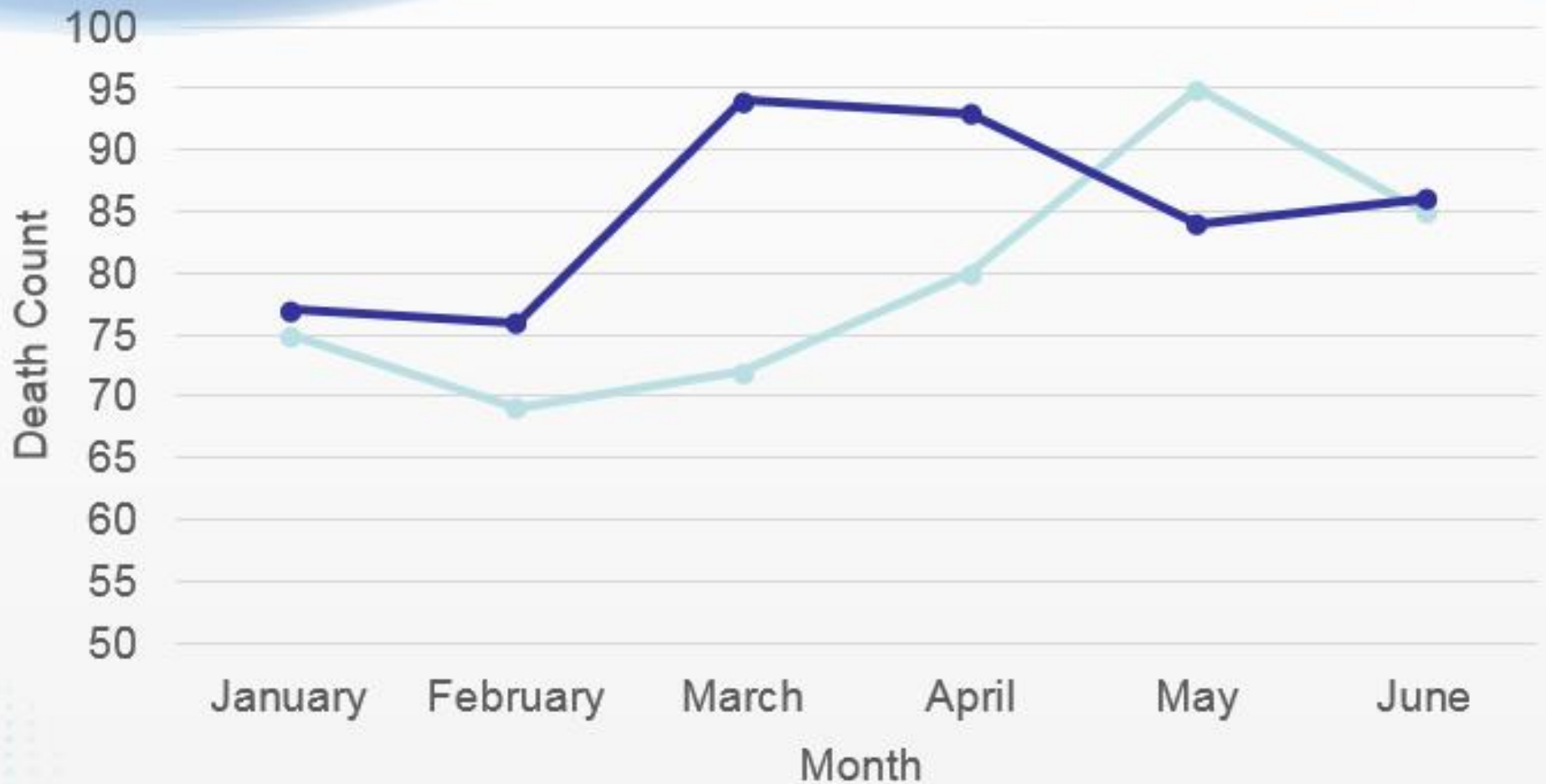
Death Certificates-2016

- 946 cases statewide (as of August 2016)
 - 588 Suicides (62%)
 - 225 Homicides (24%)
 - 117 Undetermined (12%)
 - 16 Accidental or Natural (2%)

Death Certificates-2016

- 619 unintentional overdose deaths have also been identified and are housed in the CDC Database—utilizing the Overdose Module

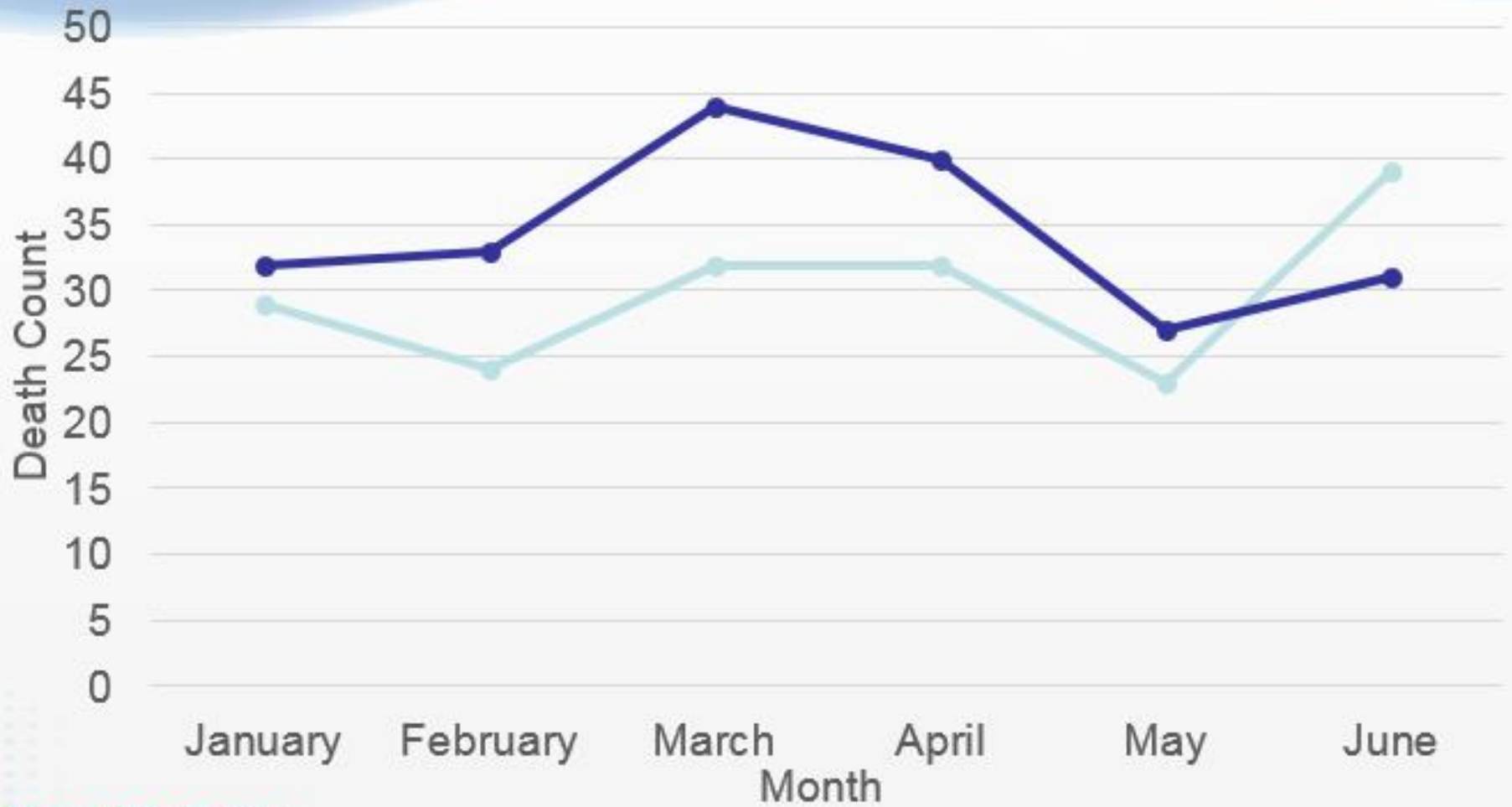
Suicide Count by Month



*preliminary numbers

— 2015 — 2016

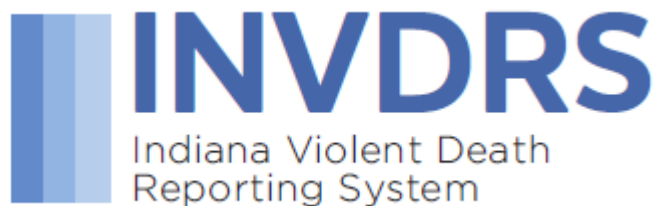
Homicide Count by Month



***preliminary numbers**

— 2015 — 2016

What else would you like to see?



Indiana State
Department of Health

68

Email Questions: INVDRS@isdh.in.gov

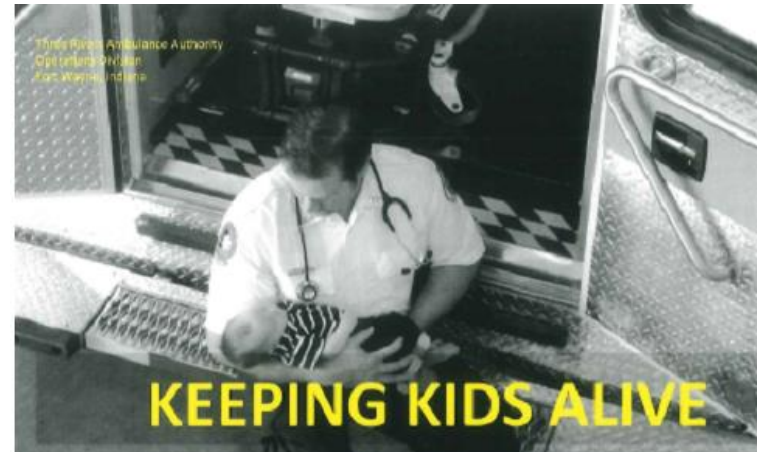
Labor of Love Summit 2016

Helping Indiana Reduce Infant Death

- Monday, October 17, 8 – 5
- JW Marriott
- *Success Through Partnerships*
- ***NEW*** Training for Emergency Response Professionals
 - Direct On-Scene Education



Labor of Love
Helping Indiana Reduce Infant Death



DOSE: Direct On-Scene Education

- Aimed at eliminating sleep-related infant death due to suffocation, strangulation or positional asphyxia
- Training first responders to identify and remove hazards while delivering education on scene
- ISDH will provide training manuals and program materials tailored to your community's needs



Indiana State
Department of Health

Email questions to: indianatrauma@isdh.in.gov

DOSE: Direct On-Scene Education

- DOSE Train-the-Trainer sessions at the Labor of Love Summit Oct 17th
- Register: <http://www.infantmortalitysummit-indiana.org/>
- Questions: kcunningham2@isdh.in.gov



Email questions to: indianatrauma@isdh.in.gov



Indiana State
Department of Health

2016 meeting dates

- 3rd Friday of the month
 - 1 p.m.-3 p.m. EST in Rice Auditorium
 - November 18

2017 Meetings

- Tentative—will be sending out a survey to the listserv soon

Call to Action

- Send interested parties to ISDH Division of Trauma and Injury Prevention
 - INVDRS@isdh.in.gov
 - INVDRS Epidemiologist
Rachel Kenny
317-233-8197
rkenny@isdh.in.gov