Drug Poisoning Mortality 2007-2018

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Purpose

The continual monitoring of emerging drug trends allows us to devise more effective interventions based on drug type

The Study

- Years 2007-2018
  - Years combined into 2-year intervals for reporting purposes
- Montana residents who died within the state
- Drug poisoning death defined as having ICD-10 underlying cause of death code of:
  - X40-X44 (unintentional drug poisoning)
  - X60-X64 (intentional drug poisoning)
  - X85 (homicide by drug poisoning)
  - Y10-Y14 (undetermined intent by drug poisoning)

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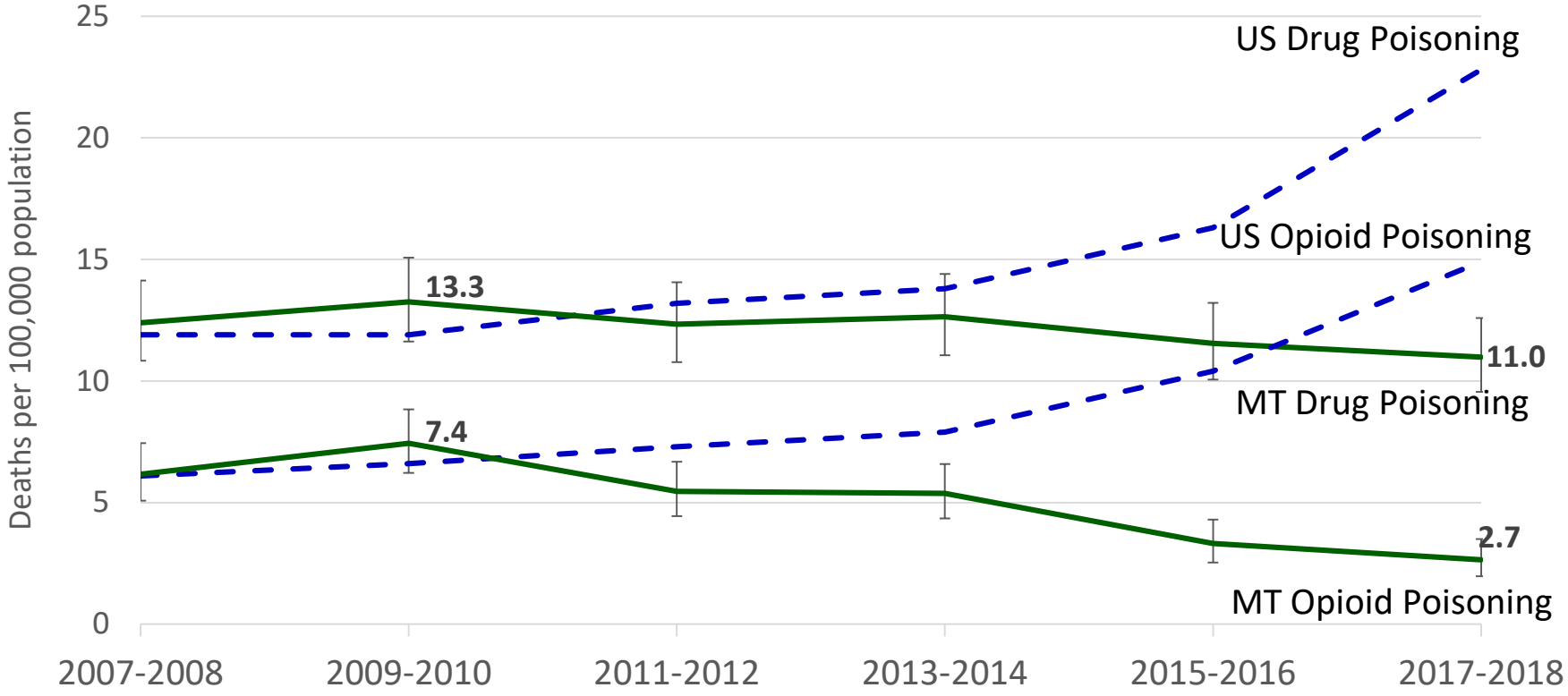
Some Good News



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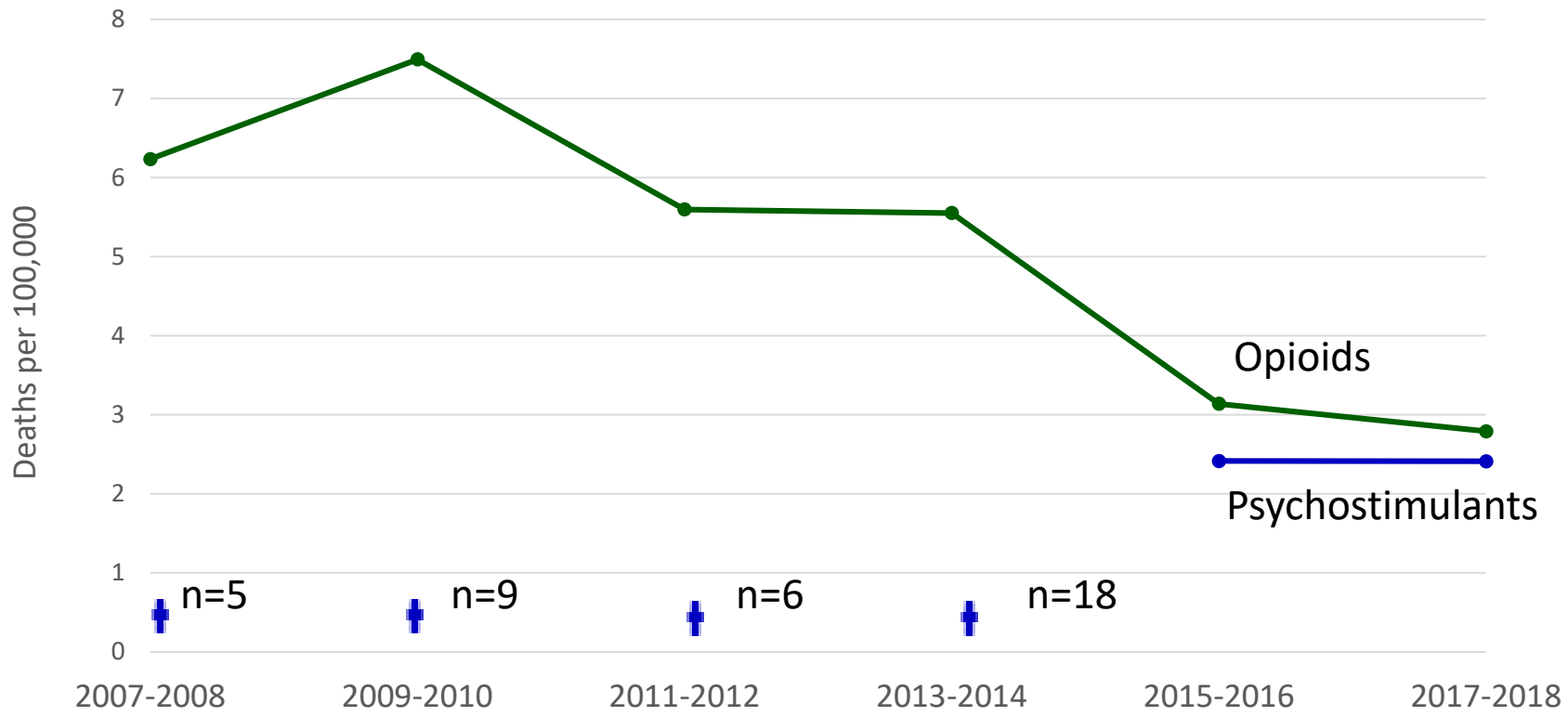
While opioid-related deaths have declined steadily, other drug types are increasing

- "Psychostimulants with abuse potential" deaths have increased by 900% during the study period



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Psychostimulants with abuse potential

- T43.6
  - Examples: Methamphetamines, amphetamines, methylphenidate, 3,4-methylenedioxy-methamphetamine
  - (Ritalin, Adderall, Ecstasy)
  - Excludes cocaine

92% T43.6 codes had a free-text entry mentioning methamphetamine

- Non-methamphetamine related deaths included:
  - Amphetamines
  - Bath Salts
  - Caffeine
- Some deaths had free-text entry for methamphetamine, but did not have a code of T43.6
  - Often coded as “unspecified drugs, medicaments and biological substances”

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Other Findings

- Drug poisonings were the 4th leading cause of injury death in Montana
- Montanans aged 35-54 years had the highest rate of drug poisoning deaths
- The American Indian/Alaska Native population had a nearly 2x higher death rate compared to Whites for overall drug deaths during the study period

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Help Save Lives

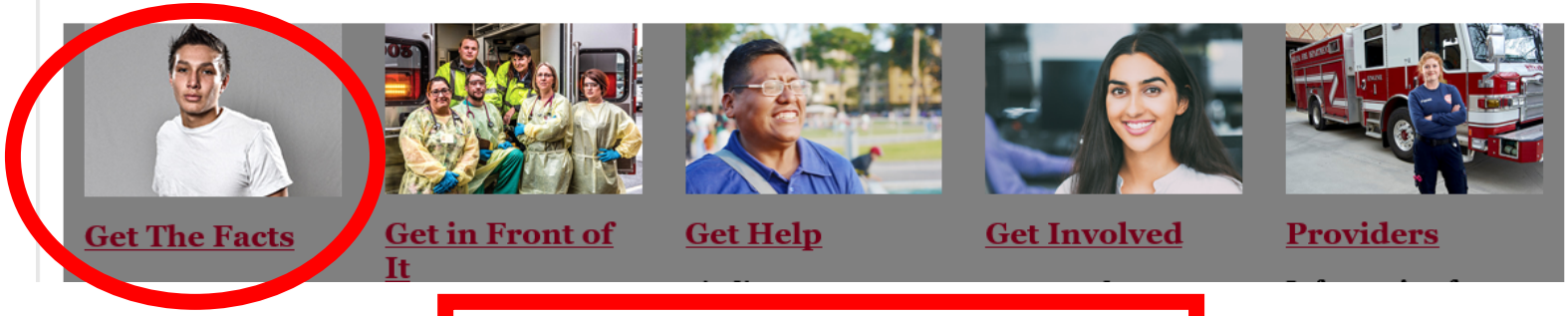
Welcome!

On January 29, 2020 we held our quarterly SUDs Task Force meeting that covered:

E-cigarettes, Emerging Drug Mortality Trends in Montana, opioid grant money throughout Montana, as well as our Strategic Plan.

If you would like more information on our SUDs meeting please contact Alivia Winters at alivia.winters@mt.gov

Next SUDs Meeting: April 29, 2020 at the Delta Marriott in Helena, MT



Find the full report and more at:

helpsavelivesmt.org

https://dphhs.mt.gov/opioid

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Drug type		Year						Total Deaths 2007-2018 (n)	Change from 2007-2018 (%)
ICD-10 Code	Substance	2007-2008	2009-2010	2011-2012	2013-2014	2015-2016	2017-2018		
T40.0	Opium	0	0	0	0	0	0	0	**
T40.1	Heroin	4	0	3	5	10	27	49	+575.0
T40.2	Codeine, morphine, and other opioids	46	72	54	62	34	37	305	-19.5
T40.3	Methadone	52	48	31	30	14	6	181	-88.4
T40.4	Other synthetic narcotics	23	28	27	21	17	16	132	-30.4
T40.5	Cocaine	3	3	2	1	1	2	12	**
T40.6	Other and unspecified narcotics	3	0	2	7	9	16	37	+433.3
T40.7	Cannabis (derivatives)	0	3	2	3	3	2	13	**
T40.8	Lysergide (LSD)	0	0	0	0	0	0	0	**
T40.9	Other and unspecified psychodysleptics	0	0	0	0	0	0	0	**
T42.4	Benzodiazepines	7	12	12	12	10	21	74	+200.0
T43.0	Tricyclic and tetracyclic antidepressants	7	10	10	7	4	7	45	0
T43.2	Other and unspecified antidepressants	8	17	17	17	13	20	92	+150.0
T43.6	Psychostimulants with abuse potential	5	9	6	18	50	51	139	+920.0
T50.9	No specific drug listed	83	68	90	78	93	60	472	-27.7

**Percent change suppressed for drug types where aggregate deaths from 2007-2018 were less than 20

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Thank you

Questions?

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