### **Preventing Youth Opioid** Misuse & Addiction

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### **Learning Objectives**

- To improve knowledge about the opioid crisis in Alaska.
- To increase knowledge about resources available for schools to address this crisis.



Image Source: https://www.resumetarget.com/blog/wp-content/uploads/2013/05/objective-

### What is an Opioid?

- heroin
- morphine
- codeine methadone
- oxycodonehydrocodone
- fentanylhydromorphonebuprenorphine
- others



Sources:
Centers for Disease Control and Prevention (CDC):
https://www.cdc.gov/drugoverdose/opioids/index.html
Am Health Drug Benefits. 2015 New Perspectives in the Treatment of Opioid-Induced
Respiratory Depression. Oct; 8(6 suppl3): S51–S63.

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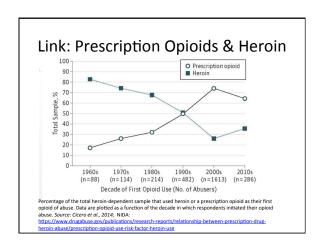
### How do opioids work?

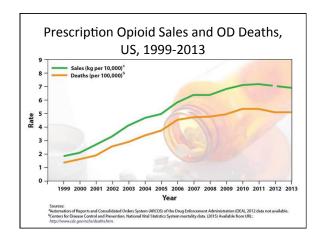
- Bind to receptors in the:
  - brain
  - spinal cord
  - gastrointestinal tract
- Affects:
  - mood
  - blood pressure
  - breathing



Source: Am Health Drug Benefits. 2015 New Perspectives in the Treatment of Opioid-Induced Respiratory Depression. Oct; 8(6 suppl3): 551–563 Image Source: NIDA

# What is the magnitude of opioid misuse in the United States? Overdose Deaths Involving Opioids, United States, 2000-2015 Acry Opioid Acry Opioid Other Synthetic Opioids Death States (Acres of Disease Acres of Disease Control and Prevention (CDC): https://www.cdc.gov/drugoverdose/epidemic/index.html





# Opioid Epidemic in Alaska In 2012, Alaska's prescription opioid pain reliever overdose death rate was more than double the rate in the United States. Alaska's heroin-associated overdose death rate was over 50 percent higher than the national rate. Source: The Alaska Department of Health and Social Services Division of Public Health: http://dhss.alaska.gov/dph/Director/Pages/heroin-opioids/data.aspx

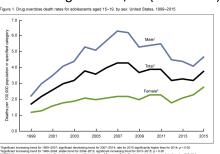
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### Alaska Disaster Declaration



Image source: https://vimeo.com/207349680

### Drug Overdose Death Rates for Adolescents Aged 15-19, US (1999-2015)



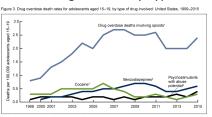
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### Drug Overdose Death Rates for Adolescents Aged 15-19 by Type of Drug



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### More Youth Opioid Data

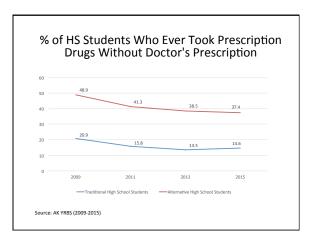
- In 2015, 276,000 adolescents were current nonmedical users of pain reliever and 21,000 adolescents had used heroin in the past year (5,000 current users).1
- Most adolescents who misuse prescription pain relievers are given them for free by a friend or relative.  $^{2}$
- Prescribing rates for prescription opioids among adolescents and young adults nearly doubled from 1994 to 2007.3

Sources:

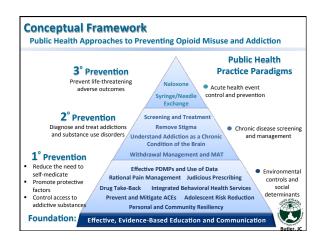
1. Centre for Behavioral Health Statistics and Quality, (2016). Key substance use and mental health indicators in the United States:
Results from the 2015 National Survey on Drug Use and Health (hHS Publication No. SMA 16-4984, NSDUH Series H-51). Retrieved from <a href="http://www.santhas.gov/dats/">http://www.santhas.gov/dats/</a>.

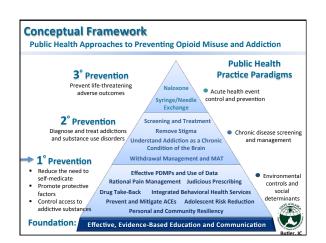
2. National Institute of Drug Abouse, 2015). Drug Facts: Prescription and Over-the-Counter Medications. Bethesda, MD: National Institute of Drug Abouse, Available at <a href="http://www.santhas.gov/dats/pics-repides-over-counter-medications">http://www.santhas.gov/dats/pics-repides-over-counter-medications</a>. A Fortura RI, Robbis MV, Calida E, Jankf W, Malterman IS. Prescribing of controlled medications to adolescents and young adults in the United States. Pediatrics. 2010;128(6):1108-1116.

### % of HS Students Who Ever **Used Heroin** 2011 2013 Source: AK YRBS (2009-2015)

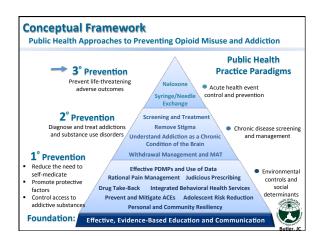






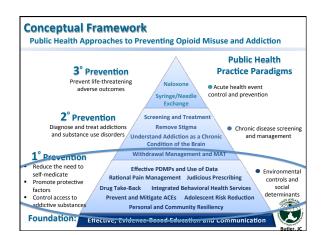


	△ Public Health
3° Prevention	Practice Paradigms
Prevent life-threatening	Naloxone
adverse outcomes	Acute health event
	Syringe/Needle control and prevention
	Exchange
→ 2° Prevention	Screening and Treatment
Diagnose and treat addictions and substance use disorders Unc	Remove Stigma Chronic disease screening and management Condition of the Brain
1° Prevention With	hdrawal Management and MAT
self-medicate Promote protective factors Control access to  Rational Pai Drug Take-Back Prevent and	ective PDMPs and Use of Data in Management Judicious Prescribing k Integrated Behavioral Health Services wiltigate ACEs Adolescent Risk Reduction sonal and Community Resiliency



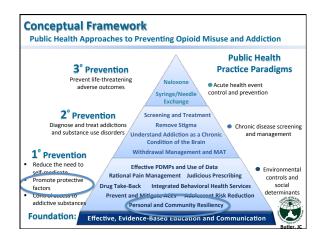
Conceptual Framework Public Health Approaches to Preventing Opioid Misuse and Addiction
Public Health Prevention Prevent life-threatening adverse outcomes  Naloxone Syringe/Needle Exchange  Acute health event control and prevention
2° Prevention Diagnose and treat addiction and substance use disorders Understand Addiction as a Chronic Condition of the Brain  1° Prevention  Screening and Treatment Remove Stigma  • Chronic disease screening and management and management Withdrawal Management and MAT
Reduce the need to self-medicate Promote protective factors  Control access to addictive substances Prevent and Mitigate ACEs Adolescent Risk Reduction eleterminants and processing and Community Resiliency
Foundation: Effective, Evidence-Based Education and Communication

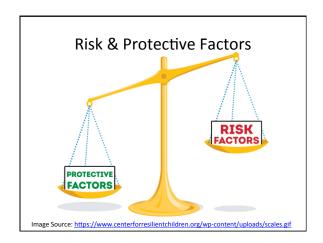
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Public Health Approaches to Preventing Op	ioid Misuse and Addiction
3° Prevention Prevent life-threatening adverse outcomes  2° Prevention Diagnose and treat addictions and substance use disorders  Understand Addiction Condition of the	Acute neath event control and prevention  examination of the control of the contr
1° Prevention Withdrawal Manage	ment and MAT
Reduce the need to self-medicate Promote protective factors     Control access to addictive substances     Reduce the need to self-medicate Rational Pain Management Rational Pain Management     Drow-owe-Back Integrated Be Prevent and Mitigate ACES Addictive substances     Prevent and Mitigate ACES Addictive substances	Judicious Prescribing controls and social determinants

# Link Between ACEs and Opioid Misuse Policy Brief June 2017 | Number 1 | www.ctipp.org Trauma-Informed Approaches Need to be Part of a Comprehensive Strategy for Addressing the Opioid Epidemic EXECUTIVE SUMMARY This policy brief reviews the evidence linking trauma and adverse childhood experiences to opioid addiction. It also provides examples of effective previous and treatment programs, and describes innovative approaches being used by communities to address the current epidemic. The argument is made that affords to address the current epidemic. The argument is made that affords to address the current epidemic. The argument is made that affords to address the current epidemic. The argument is made that affords to address the current epidemic. The argument is made that affords to address the current epidemic. The argument is made that affords to address the current epidemic. The argument is made that affords to address the current epidemic the crosts of artificition and make





		tective Factors: arly Childhood
Persons	Risk Factor	Protective Factor
Individual	Difficult temperament	Self-regulation     Secure attachment     Mastery of communication and language skills     Ability to make friends and get along with others
Family	Cold and unresponsive mother behavior     Parental modeling of drug/ alcohol use	Reliable support and discipline from caregivers     Responsiveness     Protection from harm and fear     Opportunities to resolve conflict     Adequate socioeconomic resources for the family
School, Peers, Community		Support for early learning     Access to supplemental services such as feeding, and screening for vision and hearing     Stable, secure attachment to childcare provider     Low ratio of caregivers to children     Regulatory systems that support high quality of care
http://yout	h.gov/youth-topics/substance-abuse/ri	sk-and-protective-factors-substance-use-abuse-and-dependence

	Risk & Protective Middle Scho	
Persons	Risk Factor	Protective Factor
Individual	Poor impulse control Low harm avoidance Sensation seeking Lack of behavioral self-control/regulation Aggressiveness Anniety, Depression, Hyperactivity/ADHD Antisocial behavior Early persistent problem behaviors Early substance use	Mastery of academic skills (math, reading, writing)     Following rules for behavior at home, at school, and in public places     Ability to make friends     Good peer relationships
Family	Permissive parenting Parent-child conflict inadequate supervision and monitoring Low parental warmth Lack of or inconsistent discipline Parental hostility Harsh discipline Low parental aspirations for child Child abuse/maltreatment Substance use among parents or siblings Parental favorable attitudes toward alcohol and/or drugs Parental favorable attitudes toward alcohol and/or drugs	Consistent discipline     Language-based, rather than physical, discipline     Extended family support

	Risk & Protective F Middle School, (	
Persons	Risk Factor	Protective Factor
School, Peers, Community	School failure     Low commitment to school     Accessibility availability of substances     Peer rejection     Laws and norms favorable substance use     Deviant peer group     Peer attitudes toward drugs     interpersonal alienation     Extreme poverty for those children antisocial in childhood	Healthy peer groups     School engagement     Positive teacher expectations     Effective classroom management     Positive partnering between     school and family     School policies and practices to     reduce bullying     High academic standards
http://yo	uth gov/youth-topics/substance-abuse/risk-and-protective-factors	-substance-use-abuse-and-dependence

		ective Factors: escence
Persons	Risk Factor	Protective Factor
Individual	Behavioral disengagement coping     Negative emotionality     Conduct disorder     Favorable attitudes toward drugs     Rebelliousness     Early substance use     Antisocial behavior	Positive physical development     Emotional self-regulation     High self-setteem     Good coping skills and problem-solving skills     Good coping skills and problem-solving skills     Engagement and connections in two or more of the     following contexts: at school, with peers, in athletics,     employment, religion, culture,
Family	Substance use among parents     Lack of adult supervision     Poor attachment with parents	Family provides structure, limits, rules, monitoring, and predictability     Supportive relationships with family members     Clear expectations for behavior and values
School, Peers, Community	School failure     Low commitment to school     Associating with drug-using peers     Not college bound     Aggression toward peers     Norms (e.g., advertising) favorable toward alcohol use     Accessibility availability	Presence of mentors and support for development of skills and interests Opportunities for engagement within school and community Positive norms Clear expectations for behavior Physical and psychological safety



### Prevention Principle 6

Prevention programs can be designed to intervene as early as preschool to address risk factors for drug misuse, such as aggressive behavior, poor social skills, and academic difficulties.

Source: https://www.drugabuse.gov/publications/preventing-drug-abuse-among-children-adolescents-in-brief/prevention-principles

Prevention programs for elementary school children should target improving academic and social-emotional learning to address risk factors for drug misuse, such as early aggression, academic failure, and school dropout. Focus on skills such as: self-control, emotional awareness, communication, social problemsolving and academic support (especially reading).

 $\label{lem:control} \textbf{Source:} \\ \underline{\textbf{https://www.drugabuse.gov/publications/preventing-drug-abuse-among-children-drug-ab$ adolescents-in-brief/prevention-principles

### **Prevention Principle 8**

Prevention programs for middle school/junior high and high school students should increase academic and social competence skills, such as: study habits and academic support, communication, peer relationships, self-efficacy and assertiveness, drug resistance skills, reinforcement of anti-drug attitudes, and strengthening of personal commitments against drug misuse.

 $Source: \\ \underline{https://www.drugabuse.gov/publications/preventing-drug-abuse-among-children-drug-a$ dolescents-in-brief/prevention-principles

### **Prevention Principle 13**

Prevention programs should be long-term with repeated interventions (booster programs) to reinforce the original prevention goals.

### **Prevention Principle 14**

Prevention programs should include teacher training on good classroom management practices, such as rewarding appropriate student behavior. Such teaching techniques help to foster students' positive behavior, achievement, academic motivation, and school bonding.

### **Prevention Principle 15**

Prevention programs are most effective when they employ interactive techniques, such as peer discussion groups and parent role-playing. These activities allow for active involvement in learning about drug misuse and reinforcing skills.

### **Action Box**

### **Educators can:**

- Strengthen learning and bonding to school by addressing aggressive behaviors and poor concentration—which are associated with later onset of drug misuse and related issues.
- Work with others in their school and school system to review current programs, and identify research-based prevention programs appropriate for their students.
- Incorporate research-based content and delivery into their regular classroom curricula.

### Recommended Research-Based Curricula

- Fourth R Healthy Relationships
- Fourth R Healthy Relationships Plus
- The Great Body Shop, and
- Second Step
- The Substance Abuse and Mental Health Services Administration (SAMHSA)
- The Collaborative for Academic, Social, and Emotional Learning (CASEL)

### Evidence-Based Curricula | Section | Section

CASEL Guide: Effective Social &
Emotional Learning Programs (2015)

2015

CASEL GUIDE

Effective Social
and Emotional
Learning Programs

Middle and High School Edition

http://www.casel.org/
http://secondaryguide.casel.org/casel-secondary-guide.pdf

# EED E-Learning Courses \*\*Market Joseph State of Course Andrew Andrew Andrew Course Andrew An

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What Else Can Schools Do?

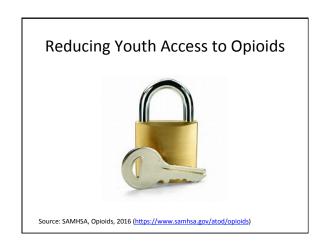
## Talk Early, Talk Often

### Scenarios for Parents Note through these situations where they are a second situation of the second s



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### **Encourage Adults to Control Access**



https://www.youtube.com/watch?v=alce4DCOEL0

### **Encourage Adults to Control Access**



### Safe Disposal Options

- Drug Take-Back Events
- Do not crush tablets or capsules
- Mix medicines with an unpalatable substance such as dirt, kitty litter, or used coffee grounds
- Place the mixture in a container such as a sealed plastic bag
- Throw the mixture container in your household trash
- Scratch out all personal information on the prescription label of your empty medicine container,
- Dispose of the container

Source: U.S. Food & Drug Administration: https://www.fda.gov/Drugs/ResourcesForYou/Consumers/ BuyingUsingMedicineSafely/EnsuringSafeUseofMedicine/SafeDisposalofMedicines/ ucm186187.htm

### Safe Disposal Options (Cont.)



### What Can Be Done Summary

- Support and/or implement K-12 evidence-based programs.
- Increase students' understanding of the potential harm of prescription pain medication use.
- Support and implement trauma/ACE prevention programs.
- Create safe, supportive, nurturing school environments where students feel connected to teachers, staff and peers.
- Be a safe and supportive place for young people to come to and ask questions.
- Encourage parents to have open, non-judgmental conversations.
- Educate parents about preventing youth access to prescription opioids (proper medication monitoring, safe storage and safe disposal).

### Thank You & Questions

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