

Pediatric Fentanyl Exposures

Oregon Poison Center Data & Trends

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No Disclosures

POISON CENTER

- 50,000 cases per year (137 new cases per day)
 - Consultations from HCPs
 - ED, ICU, office, EMS, hazmat, OERS
 - Consultations from homes
 - ~90% successfully managed at home
 - Saving families travel to ED & an estimated \$23 million in healthcare costs



**OREGON
POISON
CENTER**

Increasing Exposure of Young Children to Illicit Fentanyl in the United States

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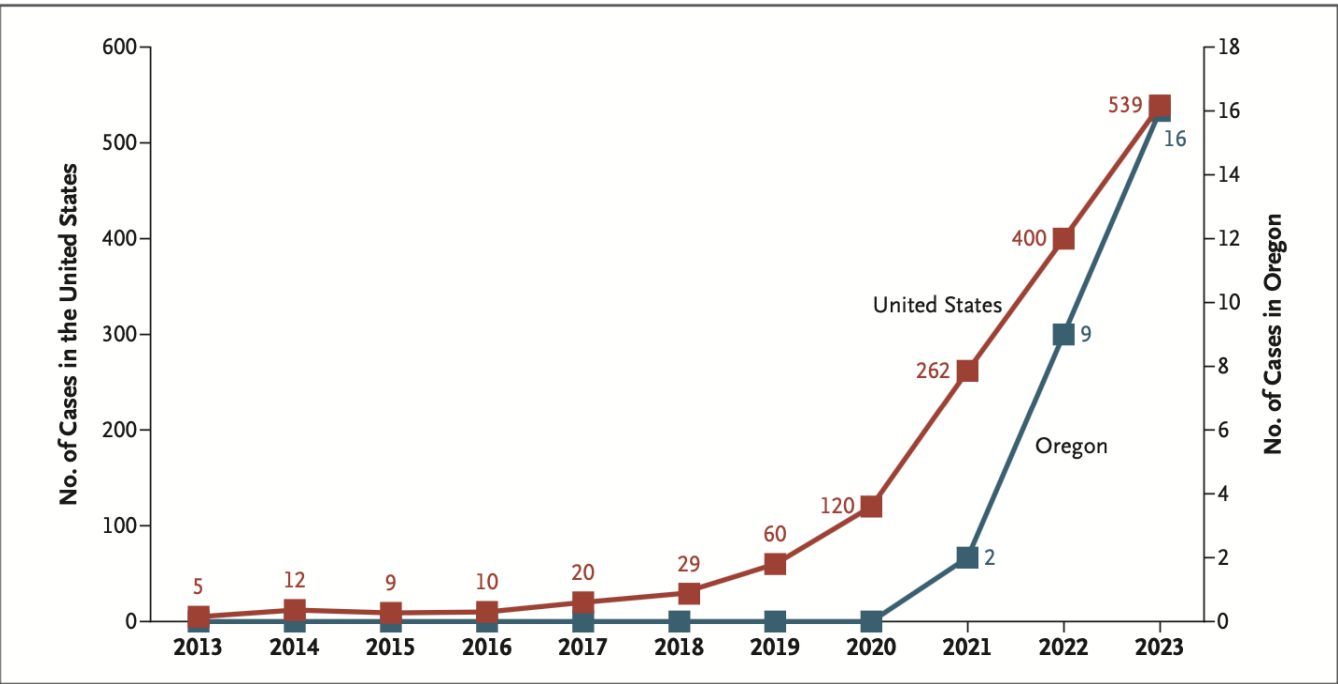


Figure 1. Illicit Fentanyl Exposures in Children Younger than 6 Years of Age in the United States and in Oregon, According to Year.
Data for the United States are from the National Poison Data System. Data for Oregon are from the Oregon Poison Center.

Characteristics of Fentanyl Toxicity in Children <6yo

Single Center PICU

Patient	Age	Weight	Exposure Location	Formulation	CNS Depression	Apnea	Advanced Resuscitation	Naloxone	Naloxone Infusion	Duration of symptoms	Fentanyl Confirmatory Testing
1	5 yrs	24 kg	Home	Unknown	Yes	Yes	Intubation	0.04mcg x 7 doses	50mcg/kg/hr x 12 hours	36 hours	Positive
2	16 mos	10.7 kg	Home	Pressed tablet	Yes	Yes	Intubation	1.2mg IO, 1mg IV	60mcg/kg/hr x 6 hours	8 hours	Positive
3	12 mos	8.57 kg	Home	Pressed tablet	Yes	Yes	CPR	1mg IO, 1.2 mg IV	Ordered, not initiated	4 hours	Positive
4	18 mos	11.3 kg	Home	Powder	Yes	Yes	CPR	4mg IN, 1mg IV	182mcg/kg/hr x 74 hours	74 hours	Positive
5	11 mos	11.0 kg	Home	Powder	Yes	Yes	Intubation	No	No	20 hours	Positive

Pressed Tablets



Exhibit 1: Total Weight – 112.0 mg

Pain Reliever	Acetaminophen ¹		966 (96.6)	108 mg
Opioid	Fentanyl ²		35 (3.5)	3.9 mg
Precursor	4-ANPP ³	WA	3.2 (0.32)	0.36 mg
Precursor	N-Methyl Norfentanyl ³		0.015 (0.0015)	0.0017mg (1.7 µg)
Opioid	Acetyl Fentanyl ⁴		0.014 (0.0014)	0.0016 mg (1.6 µg)

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Relationship Between Community Fentanyl Availability and Pediatric Unintentional Exposures

