WASHINGTON POISON CENTER







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Disclosure

- We are public educators, not clinical
- We have an awesome job





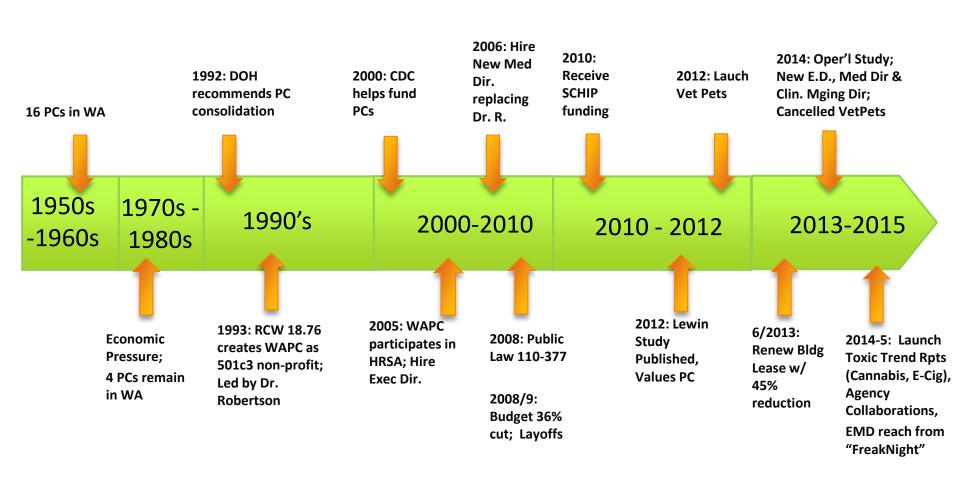


Today

- Background on the Washington Poison Center
- Current state of affairs in WA
 - Children's Exposure Trends
 - Marijuana
 - E-Cigarettes
- What's on the Horizon
- WAPC Resources



Our History







To prevent harm from poisoning through expertise, collaboration, professional, and public education

RCW 18.76 Poison Information system. Statewide Program
Public Law 110-377 Primary poison defense for U.S. (1993)

Public Law 110-377 "Poison Center Support, Enhancement, and Awareness Act of 2008"





On-Call Toxicologists

24 hour access to board-certified toxicologists with backgrounds in emergency medicine and pharmacology



Dr. Chen







Dr. Garrard Dr. Valento

On-Call Board Certified Toxicologists:

- Dr. Melissa Halliday (Harborview)
- Dr. Suzan Mazor (Seattle Childrens)
- Dr. Scott Phillips (retired)

Certified Specialists in Poison Information

PharmDs, RNs, PIPs with a combined 280+ years of experience































Who Do We Serve?



Federal/State/County
Departments of Health
and Agencies



Hospital Emergency Departments

Washington
State
7.06 million
people of all ages

EMTs/Paramedics/ Law Enforcement



Medical/Pharmaceutical Training Institutions





WASHINGTON POISON CENTER

- I-800-222-1222
- We're for everyone
- We're free
- We're confidential
- We have interpretation services (including TTY) with over 150 languages
- Experts/medical professionals answer the phones
- Consults by Board Certified Toxicologists Any Time
- We're always open 24/7/365

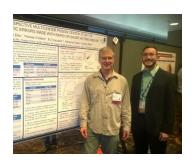




Our *Growing* List of Key Partnerships and Stakeholders



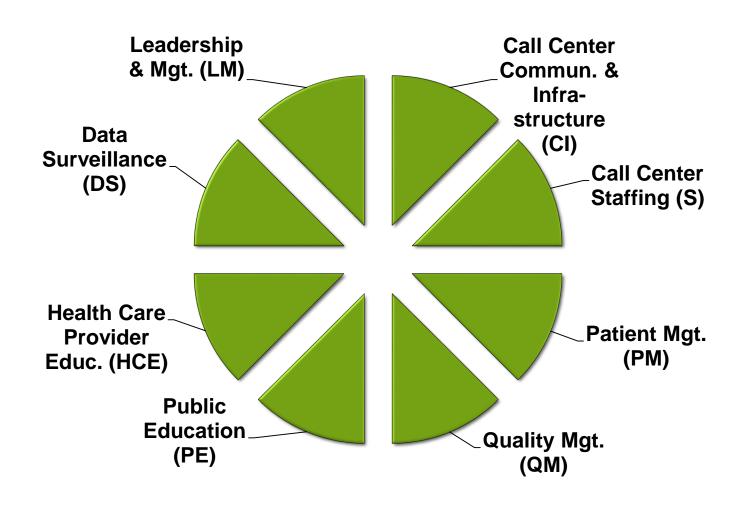
- AAPCC and other Poison Centers
 - National Accreditation
 - National Meeting (abstracts, presentations, CME, legislative issues)
 - Weekly Teleconference to review cases
 - Upload of data to NPDS servers for surveillance
 - Call coverage with Oregon PC for staff meetings, in-service training
- Board of Directors
- Associations (WSHA, WSPHA, WHY Coalition, WA PTA, NWHRN, West Reg EMS)
- County/State Agencies (County Public Health, PMP, EMS, DSHS, Safe Kids, DOH, HCA, LCB, Radiation, EMS Trauma Steering Committee, WA State Patrol-Tox Section, Environmental Health, Legislators, PHSKC
- Federal Agencies (CDC, DEA, Nat'l Early Drug Warning System)
- Medical/Pharmacy Programs (UW School of Medicine, WSU School of Pharmacy, TCC Paramedic program, Creighton, Madigan, UW School of Public Health
- Non-Profits (YMCA, Crisis Clinic, Within Reach, Woodland Park Zoo, 501 Commons, etc.)
- Health Care Facilities





Nationally Accredited by AAPCC

New 8 Essentials of Accreditation



Education Outreach including Lobbying







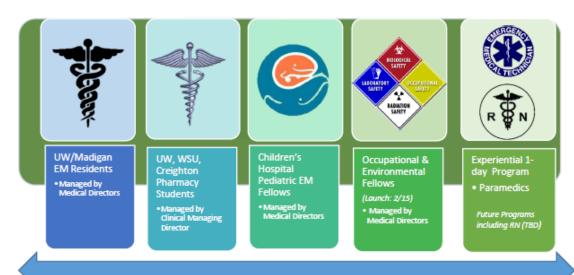








WAPC Rotation Program



- Structured Multi-week Programs for Medical & Pharmacy Students/Residents/Fellows
 - Didactic lectures
 - Clinical Experiences
 - Field Trips (Aquarium, Woodland Park Zoo, Reptile Zoo, Marijuana Dispensary, etc.)
 - Participation in Daily Call Center Activities (ex: Callbacks, triage, low acuity cases)
 - Projects (Research or Toxicologist-mentored Clinical Guideline Development)
 - Journal Club
 - · Post Rotation: WAPC Ambassador, Posters, Presentations, Publications
- One-day Experiential Rotation for Paramedic Students (with possible room for future expansion)





2014 WAPC STATS

keeping people at home

Translation support is available in over 150 languages, and there are also resources to help with the deaf and hearing disabled.



Over 59%
of poison center
users Would have
visited the ER or
called 911





50,000+ people were reached through education efforts

at community programs and events





56% of all calls concerned a child under 6 years old

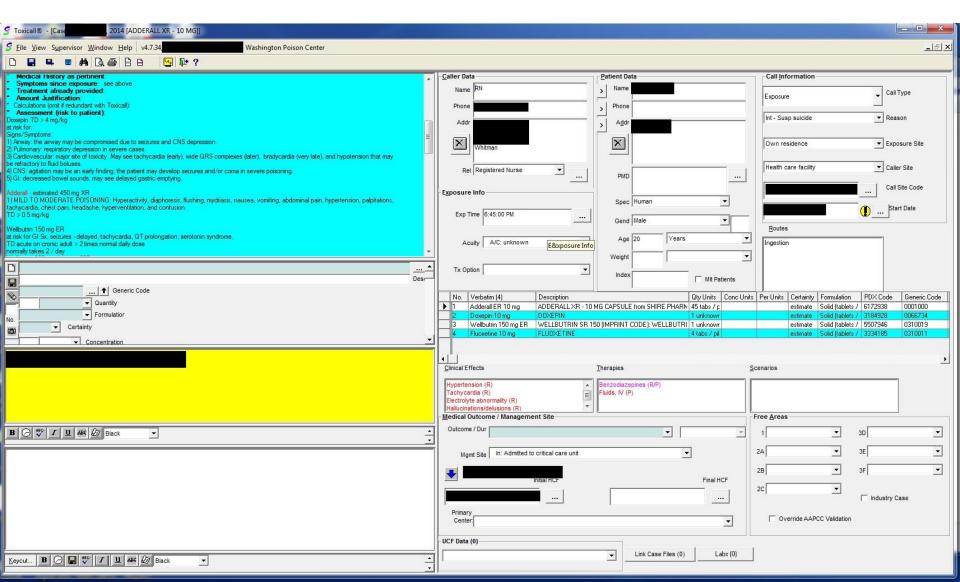


91% of all household cases are treated a home





WAPC Electronic Medical Record









Top 10 Categories in Pediatrics (< 13 years)

- 1. Cosmetics/Personal Care Products
- 2. Household Cleaning Substance
- 3. Analgesics
- 4. Foreign Bodies/toys
- 5. Topical preparations
- 6. Vitamins
- 7. Plants
- 8. Dietary Supplements/Homeopathic
- 9. Antihistamines
- 10. Gastrointestinal preparations

Top 10 Categories in Adults (> 19 years)

- 1. Analgesics
- 2. Sedative-hypnotics and BZDs
- 3. Antidepressants
- 4. Cardiovascular drugs
- 5. Cleaning substances
- 6. Alcohols
- Pesticides
- 8. Anticonvulsants
- 9. Hormones
- 10. Antihistamines







Look-a-Likes







































Children's Health Research

- Poison Center's across the country participate in human subjects research
 - Laundry Pods
 - Storage
 - Colors of product
 - Acetaminophen
 - Packing
 - Medicine Referred to as "candy"



 Data available through the AAPCC and National Poison Data System (NPDS)



Unintentional Misuse



Frank used Superglue instead of eye drops

Unintentional Misuse includes those mistakes that result in using the wrong cosmetic products. Examples include using super glue instead of eye drops or brushing teeth with muscle cream instead of toothpaste.

General Unintentional Mistake Household Scenario





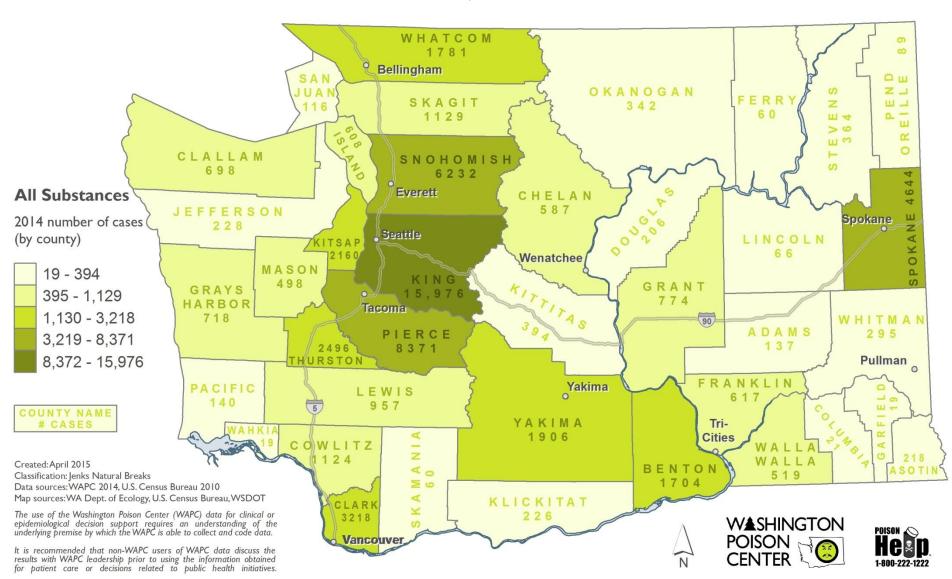
Bob accidentally drank bleach

General unintentional mistakes are those things that just happen. For the most part this is an exposure type that captures mistakes made by children and older adults who have Dementia or Alzheimer's.



All Poisonings in WA for 2014

*Raw count, not incidence





Marijuana









Marijuana in WA State

- I-502 (passed 2012) legalized recreational marijuana use
 - Removed state-law prohibitions against production, processing and selling of marijuana
 - Allowed limited possession of marijuana for 21+
 - Established a basic system of taxing marijuana
- Individuals 21 years and older may possess and use...
 - I ounce of usable marijuana
 - 16 ounces of marijuana-infused product in solid form; or
 - 72 ounces of marijuana-infused product in liquid form.
 - Marijuana-related drug paraphernalia.
- I-692 permitted patient with certain medical conditions to use medical marijuana (passed 1998)
 - Technically illegal under WA and federal law to possess, buy or sell medical marijuana
 - Provides an affirmative defense to criminal prosecution if a qualified patient possesses the allowable amount

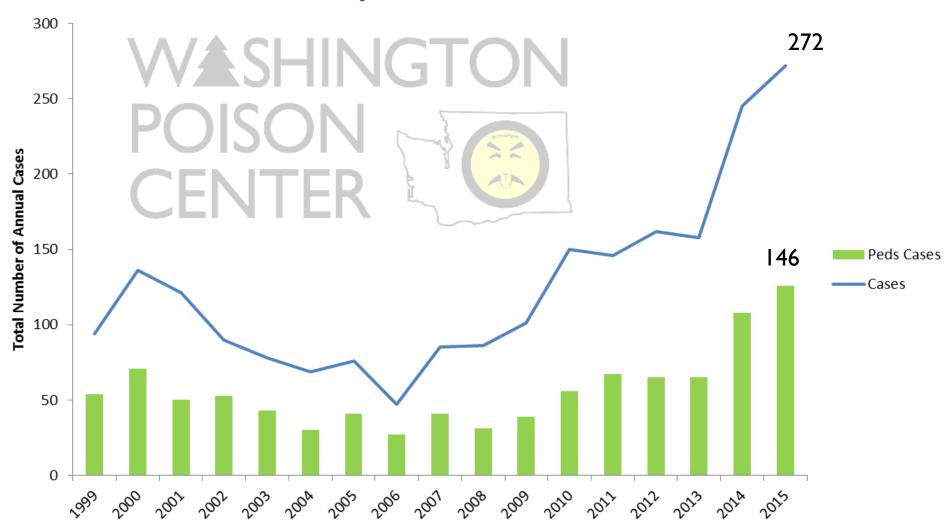


Marijuana Edibles

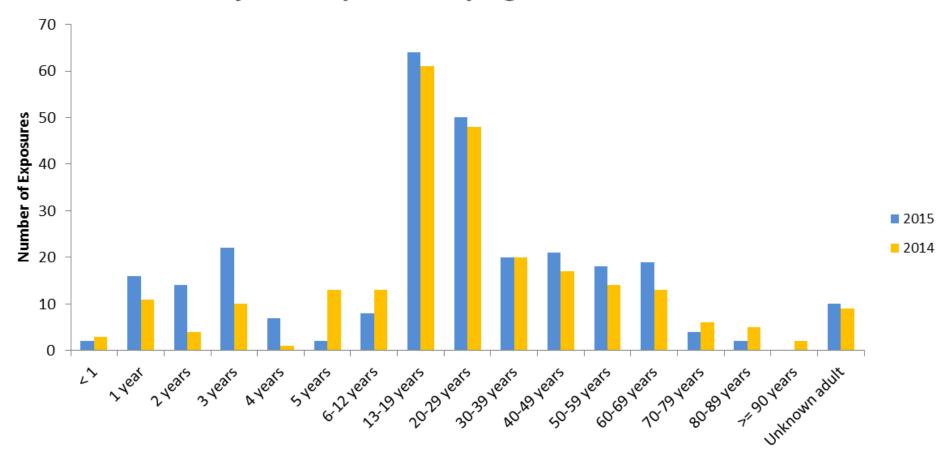
- Recreational highly regulated i.e. few edibles
 - Medical marijuana largely unregulated with many different edibles
- Approximately 1,700 medical marijuana dispensaries in Washington
- No standardized packaging, labeling, warning labels
- Product branding attractive to pediatrics
 - Gummy Bear, Cookies, Brownies and familiar "product" identicals like pop tarts, candy bars, etc.



Annual Marijuana Cases from 1999 to 2015

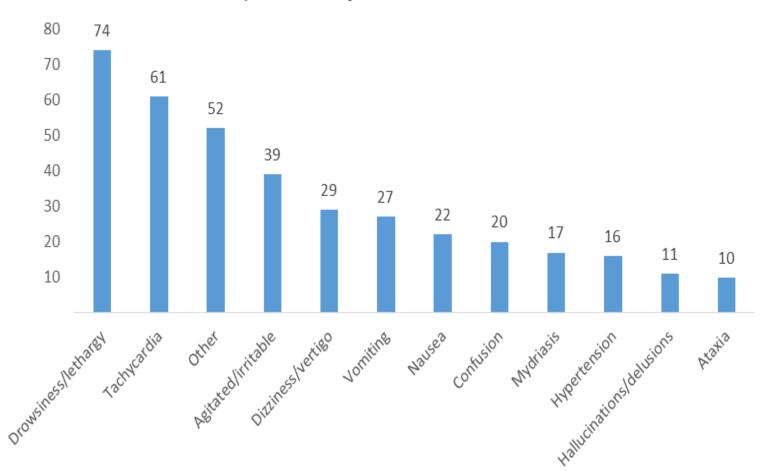


Marijuana Exposures by Age for 2014 and 2015





Top Ten Marijuana Clinical Effects





Marijuana Rules & Policy

- The Liquor Cannabis Board has proposed a rule require all Marijuana infused products to be labeled with Mr. Yuk
 - No working with an advertising agency to come up with a "Warning Label"
 - Cannabis industry representatives will take part in the discussion
- New study in the works





E-Cigarettes?







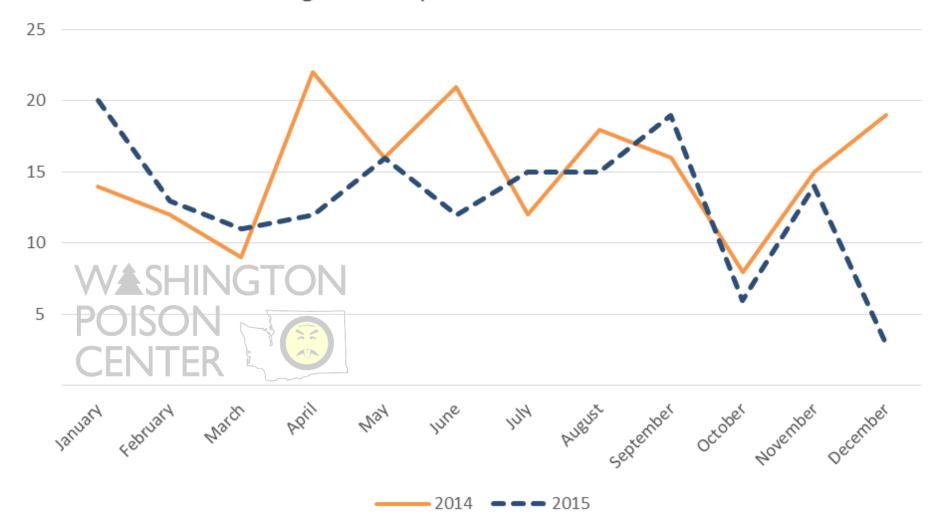
E-Juices

- Liquids or "Juices" typically have 4 ingredients:
 - Liquid nicotine
 - Propylene glycol
 - Vegetable glycerin
 - Flavoring



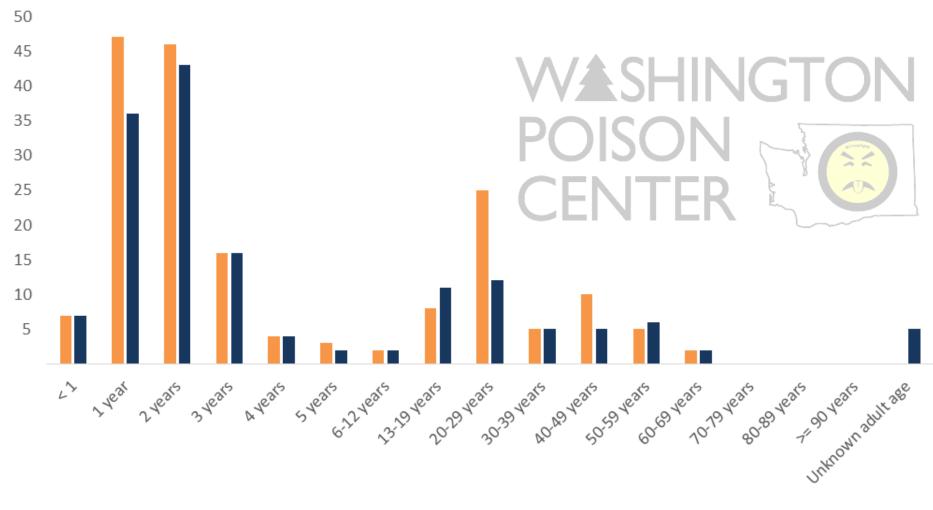


E-Cigarette Exposures for 2014 - 2015



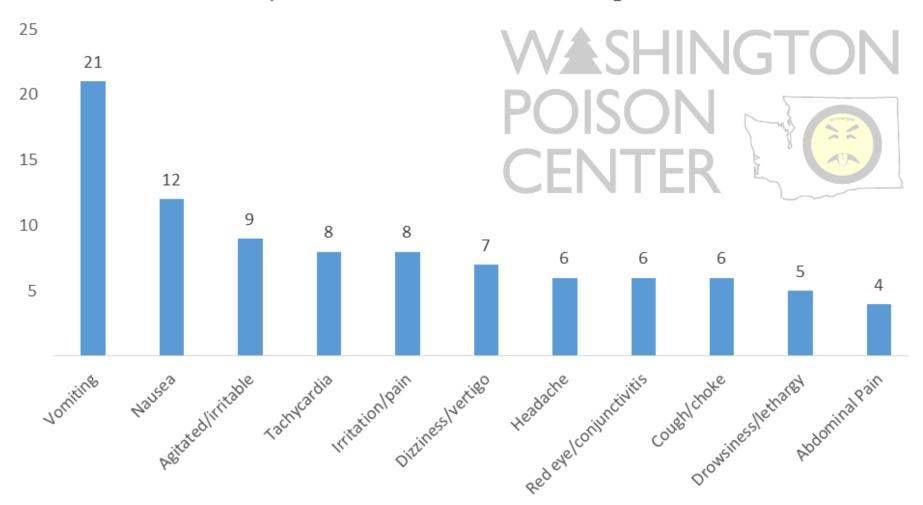


Age Distribution of E-Cigarette Exposures for 2014 - 2015





Top Ten Clinical Effects from E-Cigarettes





WAPC E-Cigarette Policy

- Educating legislators and advocating for safer products
 - Child Resistant Packaging
 - Better labeling (ingredients, concentrations, etc.)
 - Candy-like flavors
- Related Issues
 - Taxation
 - Vaping in public
 - Advertising







Lesser Known Capabilities

- Training programs for MDs, PharmDs, and soon RNs
- Mandatory reporting agencies for pesticide exposures
- Emergency Preparedness
 - Measles in Spokane, Spring 2015
 - Chemical Spill in Spokane, July 2015
 - Staff work 30% of time from home
- Work with Electronic Dance Music Community
- Data sales



What's on the horizon for the WAPC?

- Interviewing permanent Medical Director
- Expanding role with Emergency Preparedness
- Utilizing GoToMeeting for Education Outreach (clinical with CME credit and non-clinical) to reach all parts of WA
- Expanding Rotator program
- Expanding Reporting of Trends, Statistics (GIS)
- Serving more Regional PC Needs (WWAMI network)
- Finding new funding sources (as CHIP funding will end)
 - Data Studies and Data Sales
 - Material Safety Data Sheets
 - Research Studies
 - Hospital Specific Programs



Shameless plugs

Sign-up for our email updates:

http://www.wapc.org/toxic-trends/

- We're on social media: @MrYukWA
- Save the Date:

Poison Prevention Week is March 20-26







Program Your Cell Phone! WAPC is your 12th Fan for Accidental Exposures



1-800-222-1222

Toll-free, Confidential Poison Center Number



Additional Contacts

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