The Role of Public Health Nurses in Keeping Kids Safe from Preventable Injury

Tuesday, April 4, 2023 for OCHCA: Children and Families Services

Phyllis Agran, MD, MPH, Professor UCI Dept. of Pediatrics & Center for Trauma and Injury Prevention; American Academy of Pediatrics **Van Nguyen Greco, MD**, Child Abuse Pediatrician, UCI, CAST Medical Director CHOC & Miller Children's' Hospital

We have no financial disclosures of conflicts of interest.



- Neither speaker nor any member of their immediate family has a financial relationship or interest (currently or within the past 24 months) with any proprietary entity producing health care goods or services consumed by, or used on patients related to the content of this CME activity.
- Speaker does not intend to discuss an unapproved/investigative use of a commercial product or device.



Objectives

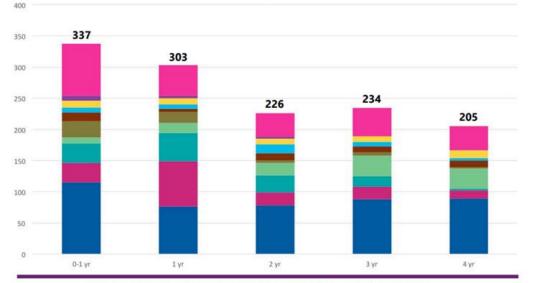
- 1. Public health nurses will be able to identify household hazards to young children related to
 - a. Falls
 - b. Burns: Thermal and Electric Injuries
 - c. Poison/Ingestion Prevention
- 2. Gun Safety
- 3. Public Health Nurses will be able educate on prevention of falls, burns and poison prevention.
- 4. Public Health Nurses will be able to link to injury prevention resources.





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THE LEADING CAUSES OF INJURY HOSPITALIZATIONS BY AGE Orange County Residents 0-4 years old, 2011-2013 N = 1,305



INJURY-RELATED DEATHS BY AGE AND CAUSE

Orange County Residents 0–4 years old, 2011-2013 N = 40

) - 1 year		××× 11 11	13 total
l year	***		9 total
2 years			8 total
8 years	***	2	9 total
4 years			1 total

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PROFILE OF CHILDHOOD INJURIES — 0-4 YEARS

Injury Facts: Orange County children 0-4 years¹

- 15,247 visits to the Emergency Department (2013).
- · Each day, two children under 5 years are seriously injured.
- Foreign body/suffocation and transportation are in the top 5 for injury-related deaths and hospitalizations.
- Drowning: Most drownings occur in pools and spas that are not properly fenced.
- Homicide: These are children who die from child abuse inflicted by adults.
- Suffocation: These deaths occur in beds, cribs and couches, mostly among young infants. Safe sleep environments will prevent many of these deaths. Young children also suffocate from choking on small objects and foods.
- Transportation: These children are injured most often because they are backed over by a vehicle veway, or run into the street. Or, they are in a car crash unrestrained or improperly restrained in the car seat.

Data analysis for this report wa http://epicenter.cdph.ca.gov, u Department of Public Health

leted by Diane Winn, RN, MPH, ta provided by the California Active Communities Branch

LEADING CAUSES OF INJURY-RELATED DEATH 0-4 YEARS



Hospitalizations and Deaths Caused by Injury Orange County Residents, 0-4 years old, 2011-2013 Hospitalizations Deaths 800 600. 500 423 400 382 200 17 11 12 0 2011 2012 2013 ¹ State of California, Departm blic Health, Safe and Active Communities Branch LEADING CAUSES OF INJURY HOSPITALIZATION 0-4 YEARS Ž 1. Falls X 2. Burns Z 3. Poisoning



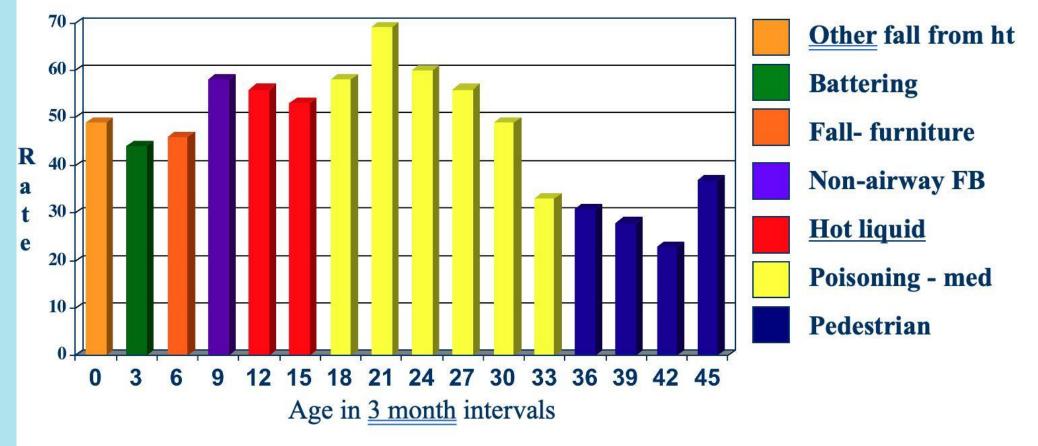
5. Foreign Body/ Suffocation



5000 Campus Drive Newport Beach, CA 92660 • (949) 752-2787 • www.aap-oc.org

Brijesh Sharma, B. Sc.

Leading specific causes of serious injury by 3-month age intervals. CA 1996-98 (Agran, Winn, Anderson, Trent, Walton-Hayes, Pediatrics. 2001:108-45





Unintentional, Neglect, Intentional Shared Risk Factors



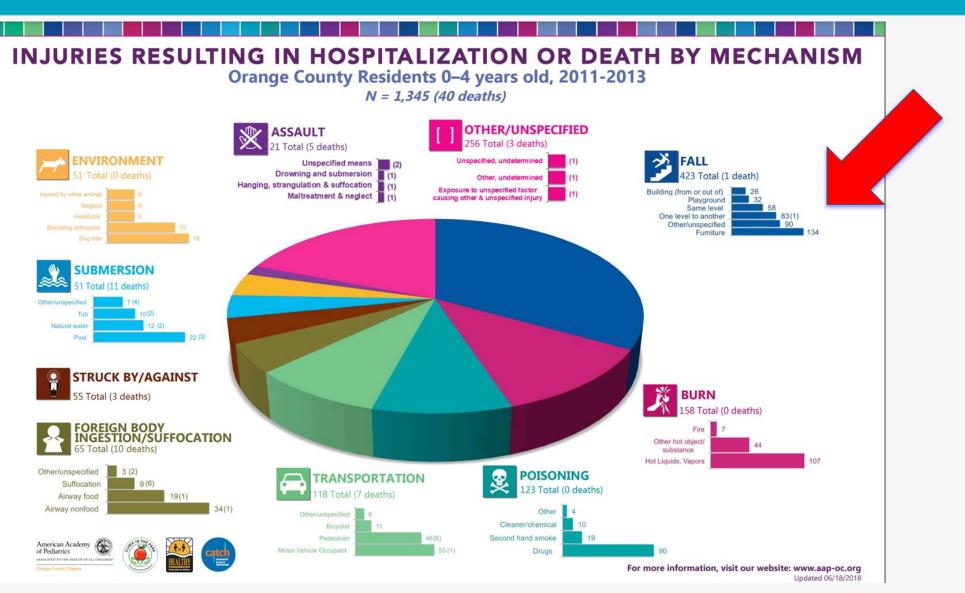
Injury is a Health Disparities Issue

- Poverty
- Poor environment: physical and social
- Substandard housing
- Lower educational level
- Lower literacy
- Lack of social capital/support systems
- Gender, age and race/ethnicity
- Children with challenging behaviors (Autism, ADHD)



Falls

Buildings; Playgrounds; Same or different level; Furniture



Falls From Buildings: Windows & Balconies



- Window Guards & Stops <u>https://www.cpsc.gov/s3</u> <u>fs-public/windows.pdf</u>
- Move furniture away from windows
- Balconies
- Stairs
- Single family home or apartment
- Rental vs. owner property



Falls: Key Messages

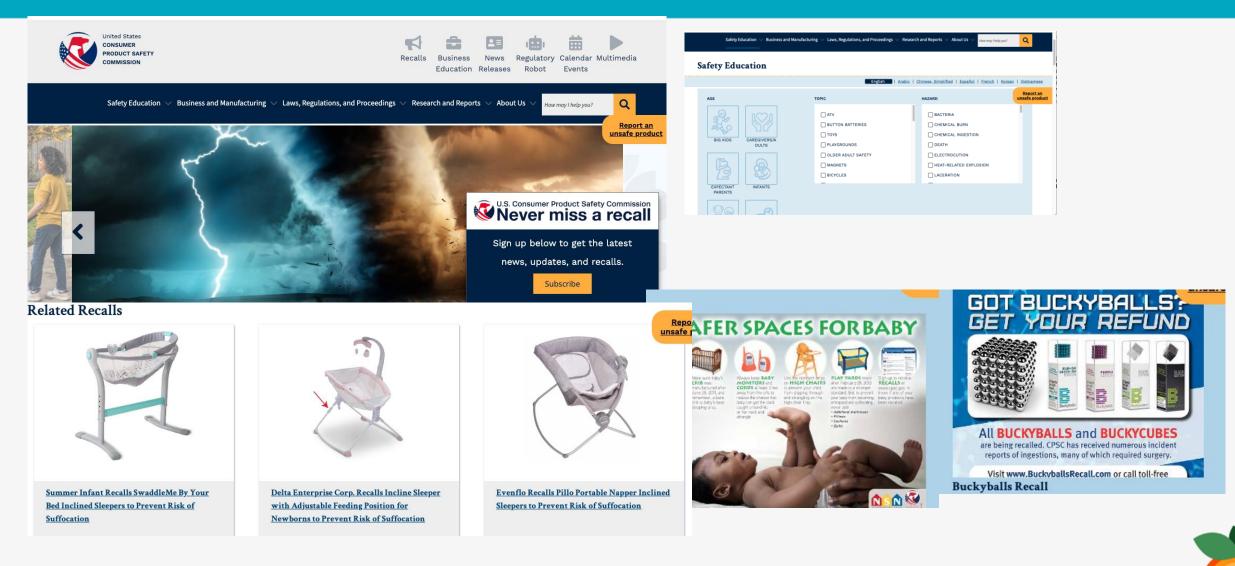
Window guards and stops Furniture away from window Stair Gates

https://vimeo.com/697925424



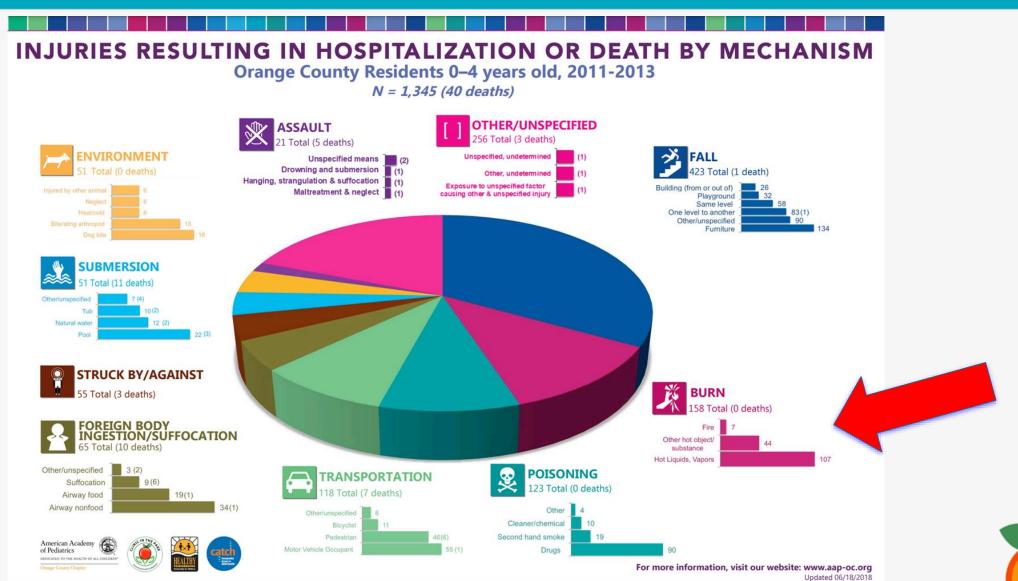


Consumer Product Safety Commission •Recalls•Safety Information•Videos



Burns

Hot Liquids & Vapors; Hot Object/Substance; Fire



Burns Key Messages

Stove

Microwave- new child resistant door Instant noodle soup and mac n cheese Your coffee and cigarettes/e-cigarettes Candles

Water Temp - <=120 degrees (Hot setting)

Smoke and CO Alarms

https://vimeo.com/697923866





Newborn to 6 months

BURNS



Your baby will try to reach, grab or touch anything, even if it's hot.

- Never heat baby formula in the microwave because the liquid may become very hot.
- When you cook, drink hot liquids, or hold hot objects, put your baby in a playpen or another safe place away from the kitchen, or have someone watch him for you.
- Make sure your baby's clothing and bedding are made of flame-retardant material.
- Set your water heater no higher than 120 degrees, or to "warm," and always test the water temperature before you use it on your baby.
- · Place a smoke detector in each bedroom of your house.

6 to 12 months

BURNS

Your baby is curious and will try to reach, grab or touch anything, even if it's hot.

- Never heat baby formula in the microwave because the liquid may become very hot.
- Keep hot food, hot drinks, and other hot things like irons, curling irons, candles, cigarettes, and ashtrays away from and out of reach of your baby.
- Put screens or gates around fireplaces, barbecues, or heaters; fasten electrical cords to the floor or wall, and put safety caps in unused electrical outlets.
- Make sure your baby's clothing and bedding are made of flame-retardant material.
- Set your water heater no higher than 120 degrees, or to "warm," and **always** test the water temperature before you use it on your baby.
- Place a smoke detector in each bedroom of your house.
- Keep electrical cords out of reach of toddlers because they can chew on them.



Keeping Your Child Safe From Burns

1 to 2 Years

BURNS Your child is curious and will try to reach, grab or touch anything, even if it's hot.

- Keep hot food, hot drinks, and other hot things like irons, curling irons, candles, cigarettes, and ashtrays away from and out of reach of your child.
- Put screens or gates around fireplaces, barbecues, or heaters; fasten electrical cords to the floor or wall, and put safety caps in unused electrical outlets.
- Set your water heater no higher than 120 degrees, or to "warm," and **always** test the water temperature before you use it on your child.



• Place a smoke detector in each bedroom of your house.

3, 4 & 5 Years

BURNS Your child is curious and will play with things like matches, lighters and cigarettes.



- Keep hot things like irons, curling irons, candles, cigarettes, matches, lighters and ashtrays away from and out of reach of your child.
- Put screens or gates around fireplaces, barbecues, or heaters; fasten electrical cords to the floor or wall, and put safety caps in unused electrical outlets.
- Set your water heater no higher than 120 degrees, or to "warm," and **always** test the water temperature before you use it on your child.
- Place a smoke detector in each bedroom of your house.

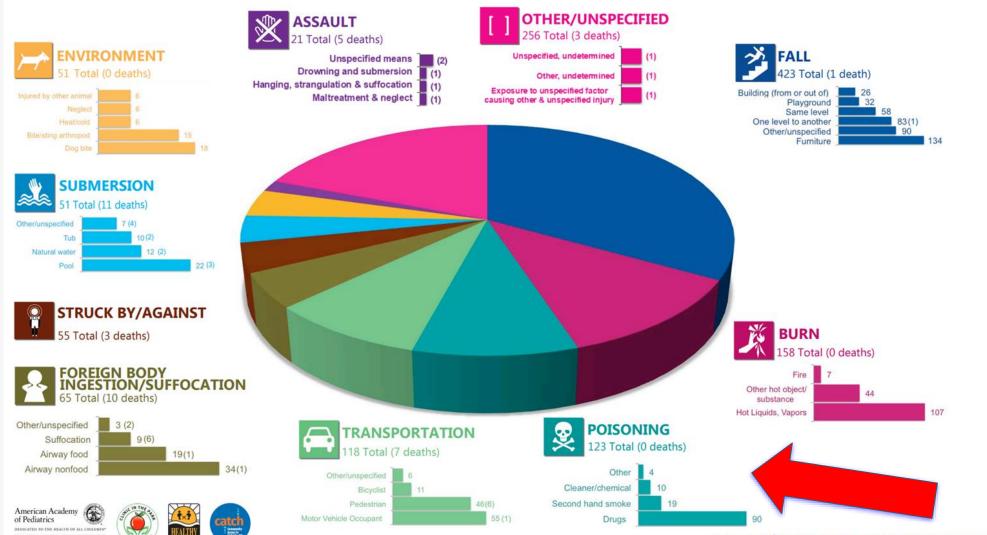
How to Treat Burns and Scalds

GENERAL: First stop the burn from getting worse by taking the child from hot water or a hot object. If your child's

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Poisoning & Ingestions Drugs (New Substances: Fentanyl; Cannabis)

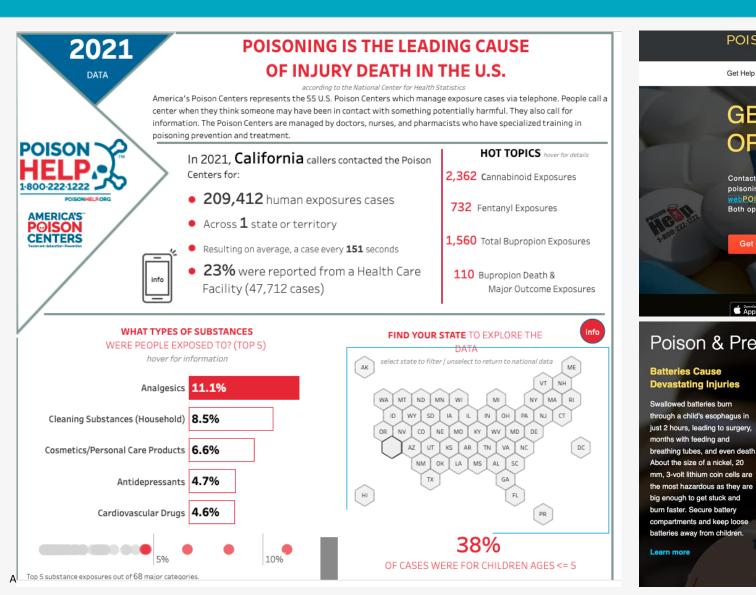


Orange County Chapter

Agran, Winn, Greco, Bhalla

For more information, visit our website: www.aap-oc.org Updated 06/18/2018

Poison Control Center



POISON CONTROL (2) Help & FAO (1) Need immediate assistance? Search Q Get Help Online webPOISONCONTROL Poison Info Statistics Act Fast The Poison Post® DONATE NOW Pill ID Batteries **GET POISON CONTROL HELP ONLINE OR BY PHONE** Contact Poison Control right away if you suspect a poisoning. Help is available online with webPOISONCONTROL® or by phone at 1-800-222-1222. Both options are free, expert, and confidential. Get help online Call 1-800-222-1222 Download on the App Store Google Play Call 911 right away if the individual collapses, has a seizure has trouble breathing or can't be awakened Poison & Prevention Information **Carbon Monoxide: The Batteries Cause** E-Cigs and Toddlers: **Devastating Injuries** Invisible Killer Beware Swallowed batteries burn Electronic cigarettes (e-Cigs) are It's not an intriguing or novel through a child's esophagus in devices made to look like real hazard, just the persistent, just 2 hours, leading to surgery, cigarettes. They contain a invisible killer: carbon monoxide. months with feeding and battery, a heater, and liquid Seriously, you still don't have a

carbon monoxide alarm in every

sleeping area of your home? Get

appliances in good repair; don't

use grills or gasoline-powered

car in an attached garage or

home.

Learn more

tools indoors, and don't run your

place a generator close to your

one! And keep fuel-burning

nicotine. When heated, the

which users inhale. Liquid

nicotine products contain

the product vaporize. Liquid

nicotine products are very

poisonous if swallowed.

Learn more

nicotine liquid becomes a vapor,

flavorings and something to help

Can you tell the difference? Can a toddler read?







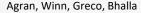












Key Message: Have all family members download the V-card during your visit

Do Your Part

Poison Control reduces poisoning-related ER visits, a critical part of preserving valuable healthcare resources for coronavirus (COVID-19) care.

Do your part to reduce unnecessary ER visits by saving Poison Control's contact information. To downlaod our vcard, text **poison** to **202-677-7600**. The vcard has the Poison Control telephone number and the link to online help. Save Poison Control contact info **NOW**!

Download vcard

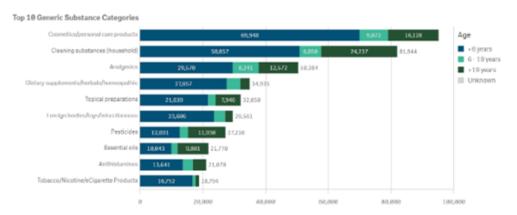
First Aid for Poisonings

Poison Control is here to help if you swallow or come in contact with something that might be poisonous. Don't wait for symptoms to develop. Contact Poison Control immediately if you suspect a poisoning. Before you contact us, there are first aid measures that make a difference if accomplished within seconds to minutes of the poison exposure. Be sure you know about them.

First Aid Tips

webPOISONCONTROL Data Dashboard

The web**POISON**CONTROL data analysis dashboard is the only free and publicly available online source of national (U.S.), near real-time poison exposure data. Find out more about the dashboard so you can fully explore data summaries and trends of poisonings from common substances like personal care products, cleaning substances, medicines, pesticides, plants, bites and stings, and more.



@ 2020-2022 webPOISONCONTROL



webPOISONCONTROL Dashboard

Agran, Winn, Gr

POISONING

Your child is very curious and is exploring his environment. He can open containers, and will find things, even if they're hidden. He'll put things in his mouth, even if they taste bad.

- Make sure that all purses and handbags are placed out of reach.
- The bathroom isn't a safe place for your child. Keep the door to your bathroom closed and latched.



• Keep all medicines, vitamins, iron pills, household cleaners and cosmetics stored in their original containers, locked and out of sight and reach of your child.



- Use safety latches on all drawers and cupboards. These latches may not keep your child out of the cupboards, but it will slow him down.
- If your child swallows something harmful, or if something harmful gets on his skin, immediately call the California Poison Control System at 1-800-222-1222 for instructions.



Let's Not Miss Our Moment to #EndGunViolence

Firearms are the leading cause of death for children and teens in the United States.

In 2020, **4,357 children and teens' lives** were taken by gun violence.



Gun Safety: DOJ Laws and Device

State of California Department of Justice

ATTOR

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ROB BONTA Attorney General		Search Translate Website Traducir Sitio Web
HOME ABOUT MEDIA CAREERS	REGULATIONS RESOURCES PROGRAMS	APPOINTMENTS CONTACT
Firearm Safety		Bureau of Firearms
Home / Firearms / Firearm Safety		Firearms Home Ammunition Purchase
Links to Topics below	Links to Topics below	
The Six Basic Gun Safety Rules Additional Safety Points Guns and ChildrenFirearm Owner Responsibilities	Rules for Kids Methods of Childproofing your Firearm Firearm Safety Certificate Study Guide	Personal Information Update California Firearms Laws Summary, pdf (revised 2021)
https://oag.ca.gov/system/files/media/cfl2021.	pdf	FAQs

Key Messages

- 1. Falls
 - a. Window guards, stops and furniture away
- 2. Poisoning
 - a. Download V-card
 - b. Medications, toxins, edible cannabis high, locked & out of reach
- 3. Burns
 - a. Stove, Microwave, Hot Water Temp, hot beverages, cigarettes, and candles
- 4. Gun Safety
 - a. CA law requires gun to be securely stored and locked





AAP-OC https://www.aap-oc.org/initiatives/injury-violence-prevention/ Injury and Violence Prevention Partners for Child Fatality Prevention Partners for Childhood Drowning Prevention Gun Violence Prevention Healthychildren.org parent page of AAP. www.healthychildren.org (English/Spanish/Audio) Consumer Product Safety Commission https://www.cpsc.gov

Poison Control Center https://www.poison.org/

OCHCA (Lead Poisoning)



This meeting is closed in honor and memory of Mark Horton, MD, MPH (1946-2023)

2007: 1st Health Officer/physician-director newly created CA State Department of Public SB 162 Ortiz 2006

2005-2007: State Public Health Officer; Chief Deputy Director CDPH Public Health Programs

1999-2005: Orange County Director of Public Health/Health Officer



