



CAL FIRE

Office of the State Fire Marshal

Webinar Series

June 17, 2024

Featuring:

- **Fourth of July Resources**
 - **Presented by the Arson and Bomb Unit**



Welcome!

- ▶ The purpose of this webinar series is to host a live and interactive platform to educate on laws, regulations, and various safety topics to increase the coordination of education and outreach from CAL FIRE - OSFM to the public and stakeholders.
 - If you experience technical difficulties during this presentation, please contact Kara Garrett at (916) 201-5539 or Kara.Garrett@fire.ca.gov.



Fourth of July Resources

**Arson and Bomb Unit
Speaker Introduction**



Safe and Sane

IF AN ITEM DOES NOT BEAR THIS SEAL,
IT IS ILLEGAL!



TYPE OF FIREWORK

CSFM REGISTRATION



Cross Reference Registration



CALIFORNIA DEPARTMENT OF
FORESTRY & FIRE PROTECTION



OFFICE OF THE STATE FIRE MARSHAL

**STATE APPROVED
SAFE & SANE
FIREWORKS**

Fire Engineering & Investigations Division
715 P Street
Sacramento, CA 95814
Web Site: <http://osfm.fire.ca.gov>
Email: fwx@fire.ca.gov

- American Promotional Events INC. I/E 1080
- American Promotional Events West
- Discount Fireworks Superstore I/E 1424
- Fireworks Over America I/E 1382
- Jake's Fireworks I/E 1415
- Phantom Fireworks Western Region LLC I/E 517

Includes:

Assortments
Candles & Cones
Fountains
Hand-Held
Novelty Items
Novelty Assortments
Smoke Items
Spinners
Whistlers
Wheels



Safe and Sane Booths



What if you find an item that is not on a company's list?

- Step No.1: Check each of the other company listing's to make sure it is not a firework item that is distributed by another company which this particular company may have contracted to distribute.
- Step No. 2: If the item does not appear on any company's list, call the contact person for the fireworks company who is the supplier for that particular stand (Please refer to enclosed list for contact names and phone numbers). Most fireworks companies maintain a 24-hour toll free number.
- Step No. 3: If you are still unable to resolve your questions or are still concerned about whether the item in question has been classified by the Office of the State Fire Marshal as Safe and Sane, contact our Fire Engineering Division's Fireworks Program staff at (916) 568-2943 for assistance. If it is determined that the item has not been classified by the Office of the State Fire Marshal as Safe and Sane, then it should be confiscated and removed from the stand.



Snap Caps and Party Poppers

- ▶ Classified as pyrotechnic device, not fireworks
- ▶ Are legal for year-round sales throughout California, unless there is a local ordinance restricting the sale.
- ▶ Must still be registered



Snap Caps and Party Poppers

Does NOT include Adult Snaps or similar fuseless firecrackers





Title 19

Health and Safety Code (State Fireworks Law)

Fireworks Laws & Regulations

*Not to be confused
with explosives and
destructive device laws



California Code of Regulations Title 19 Public Safety

- ▶ Division 1 State Fire Marshal
- ▶ Chapter 6 Fireworks
- ▶ Articles 1-19

<https://govt.westlaw.com/calregs>

CAL FIRE - Office of the State Fire Marshal
General Fireworks Advisory Committee





Health and Safety Code - HSC

- ▶ Health and Safety Code - HSC
- ▶ Division 11 Explosives
[12000-12761]
- ▶ Part 2 Fireworks and Pyrotechnics
- ▶ Chapters 1-9
[12500-12728]

<https://leginfo.legislature.ca.gov>



SB 277 Effective January 1, 2023

AB 1403 Effective January 1, 2024

Broadened Fireworks Disposal Management by OSFM in HSC 12726, specifically mentioning OSFM Arson and Bomb Unit Operations

Fines were doubled within HSC 12700

Further defined OSFM training to local fire and law enforcement agencies within HSC 12726.1

Further codified training and education in accordance with Title 19 and NFPA Standards:

495: Explosive Materials Code of 2013.

1124: Code for the Manufacture, Transportation, Storage, and Retail Sales of Fireworks and Pyrotechnic Articles of 2013.



Examples of Illegal Fireworks and Explosives

- Metal Sparklers
- Skyrockets
- Bottle rockets
- Roman candles
- Aerial shells
- Firecrackers
- Other fireworks that explode, go into the air, or move on the ground in an uncontrollable manner



It is illegal to sell, transport, or use fireworks that do not carry the “Safe and Sane” seal, and it is illegal to possess or use any fireworks in a community where they are not permitted.



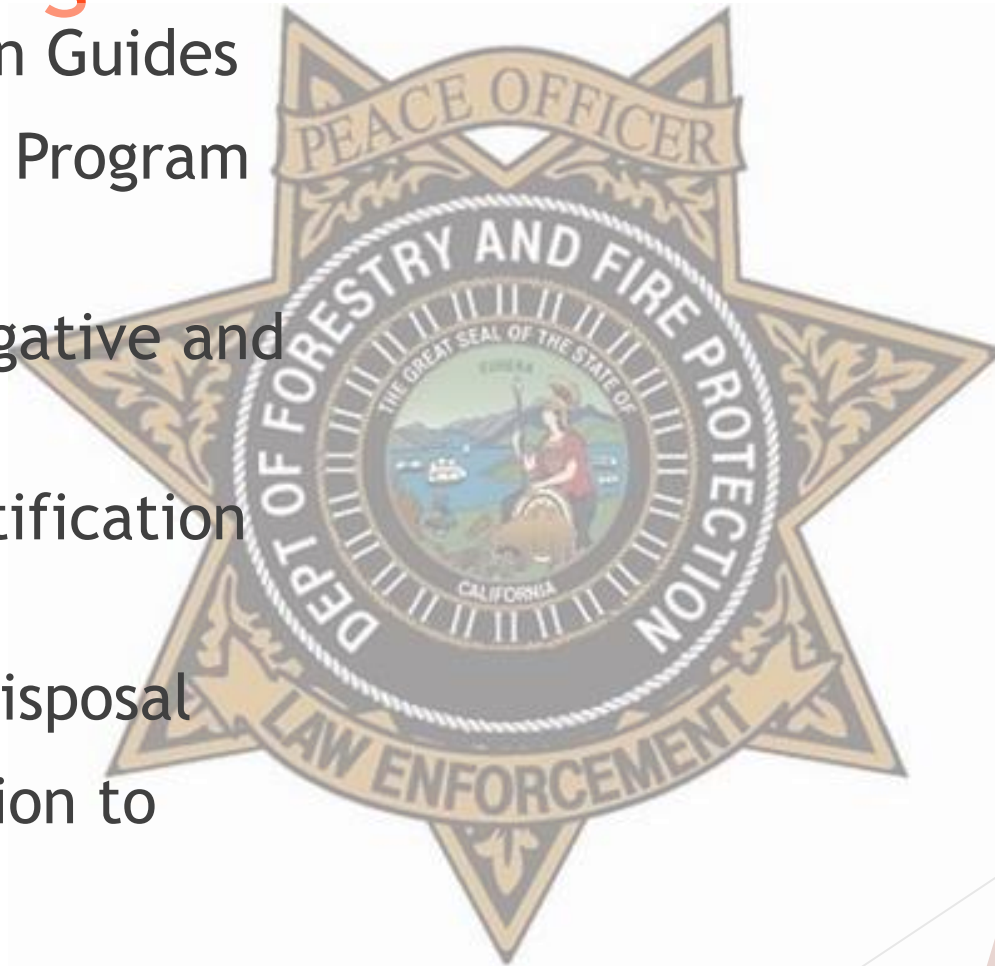






Fireworks and Explosives Resources to Local Agencies

- ▶ CAL FIRE Safety and Prevention Guides
- ▶ Statewide Fireworks Licensing Program Resources
- ▶ Large Illegal Fireworks Investigative and Enforcement Support
- ▶ Fireworks and Explosives Identification Supporting Safety in the Field
- ▶ Statewide Fireworks Seizure Disposal
- ▶ Expanded Training and Education to meet local agency needs





Fireworks and the Risk of Wildfires



- ▶ Safe and Sane Fireworks modified or not used properly increases the risks
- ▶ Consumer Fireworks that do not meet the Safe and Sane Standard and are illegally transported into and used in California severely increase the risks
- ▶ Increased misuse of Illegal fireworks during protests, civil disobedience, and riots increases the risks
- ▶ Year-round Illegal online sales and delivery methods continue to increase the risk
- ▶ The involvement of gangs and organized crime in black market sales further increases the risks
- ▶ Fireworks have been directly linked to the manufacturing of illegal explosives and acts of terrorism, increasing the risks

California's Unique Fuel, Weather, and Topography
Put the State At Continued Risk of Wildfires



Local Agencies Should Promote Wildfire Prevention Methods Throughout the Year and Especially During The 4th of July Fireworks Season



- ▶ Home Hardening
- ▶ Defensible Space
- ▶ Fire-Smart Landscaping
- ▶ Firewise Communities
- ▶ Seasonal Actions
- ▶ Dead Tree and Removal
- ▶ Permitted Debris Burning
- ▶ Wildfire Action Plans
- ▶ Prepare Your Family
- ▶ Protect Your Animals
- ▶ Get Homes Ready
- ▶ Go! Evacuation Guides
- ▶ Create Your Go Bag
- ▶ Insurance Preparedness
- ▶ Weed Abatement Programs



Accurate Reporting and Documentation

Targeted Probation Searches

Increased Fines Through Local Ordinances

Increased Law Enforcement Presence

Increased Business Inspections

Promote a ZERO TOLERANCE For the Use of Illegal Fireworks in the State

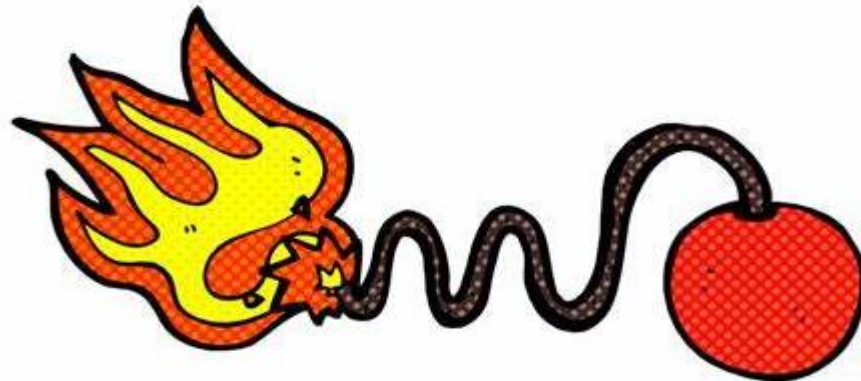
Enforcement Taskforces

Controlled Buy / Busts

Local Tip Lines

Undercover Stings

Promote Public Displays



40,000 Pounds of Illegal Fireworks Off the Streets, Preventing Countless Fires and Saving Lives



Additional Resources

- ▶ Fire Engineering and Investigations:
 - <https://osfm.fire.ca.gov/what-we-do/fire-engineering-and-investigations>
- ▶ Arson and Bomb Unit:
 - <https://osfm.fire.ca.gov/OSFM/What-We-Do/Fire-Engineering-and-Investigations/Arson-and-Bomb-Unit>
- ▶ Seized Fireworks Reporting Form:
 - <https://survey123.arcgis.com/share/fdfbdfcbfdbb41dea4b78e0bc7356311?portalUrl=https://calfire-forestry.maps.arcgis.com>



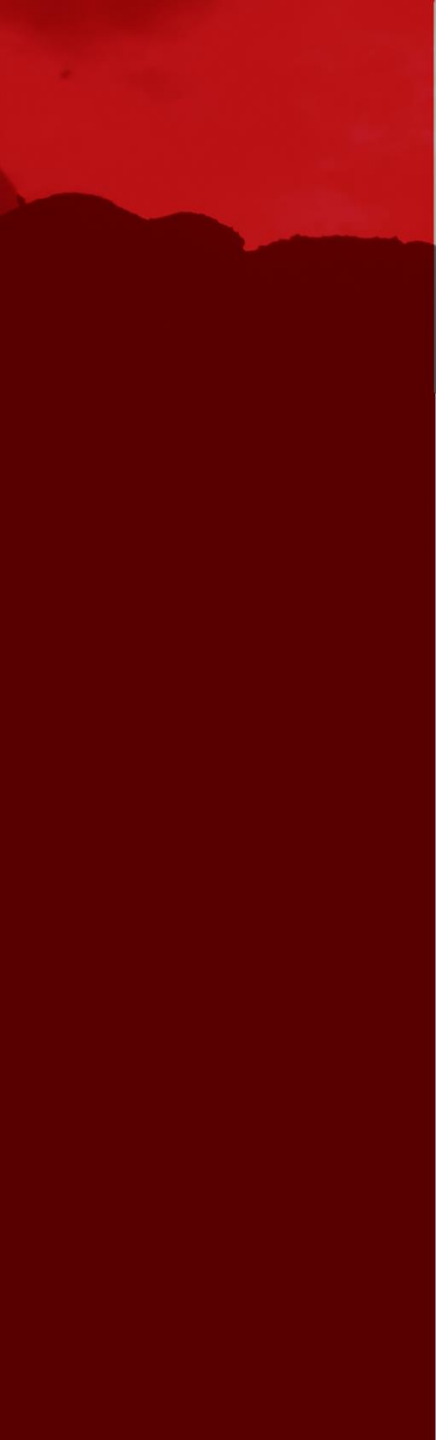
Fourth of July Resources

Speaker Introduction

Rebecca Alessandri

Fire & Burn Prevention Coordinator
Firefighters Burn Institute





FIREFIGHTERS BURN INSTITUTE



Firework Safety & Burn Prevention

Rebecca Alessandri

Fire & Burn Prevention Coordinator



Why is this important?



- Burn injuries continue to be a leading cause of accidental death and injury in the United States
- Even legal fireworks can be dangerous
- Long term effects: scarring, life-long disabilities, life altering adjustments



Firework National Statistics

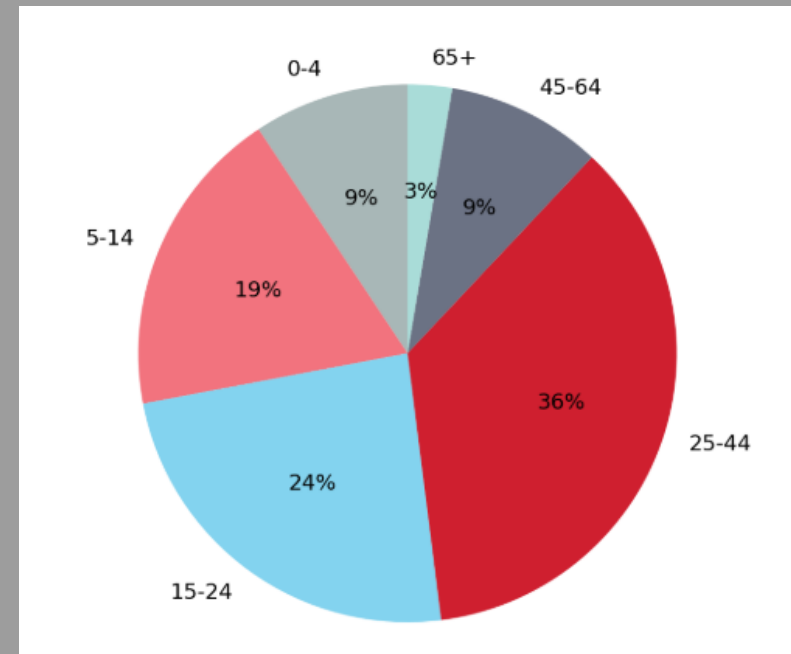
Year	Estimated Injuries	Injuries per 100,00 People
2022	10,200	3.1
2021	11,500	3.5
2020	15,600	4.7
2019	10,000	3.0
2018	9,100	2.8
2017	12,900	4.0
2016	11,100	3.4
2015	11,900	3.7
2014	10,500	3.3
2013	11,400	3.6
2012	8,700	2.8
2011	9,600	3.1
2010	8,600	2.8
2009	8,800	2.9
2008	7,000	2.3
2007	9,800	3.3

- In 2022, there was an estimated 10,200 injuries
- Trends show that there is an increase in 535 injuries each year since 2007



Firework National Statistics

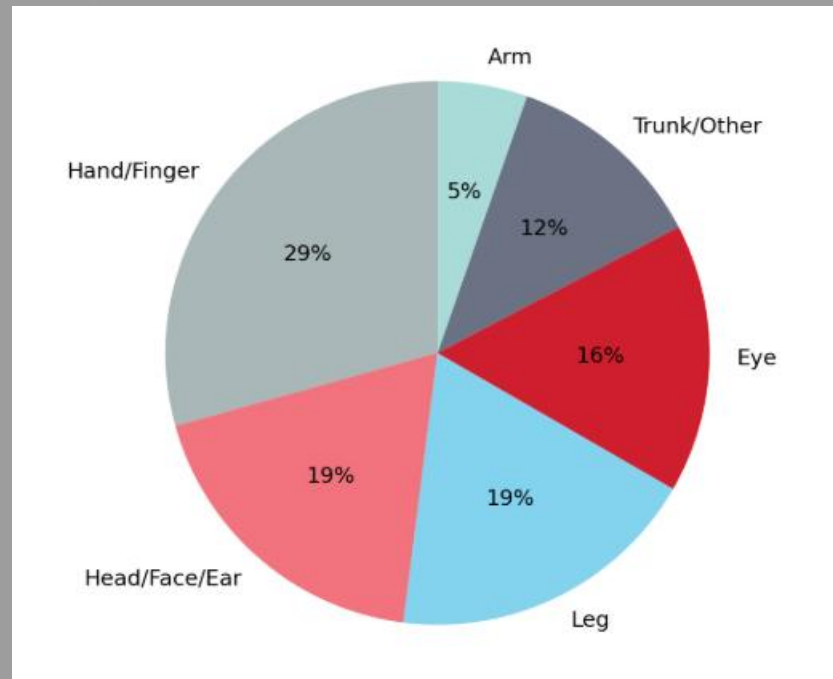
- From June 17, 2022 – July 17, 2022, there were a total of 7,400 injuries treated in the ED
- Males account for 65% of the injuries
- More than half of the injuries are people under the age of 25
- For children under the age of 5, sparklers account for 29% of the firework injuries for that age group



Percentage of Injuries by Age Group



Firework National Statistics



Body Regions Injured: From June 17, 2022 – July 17, 2022



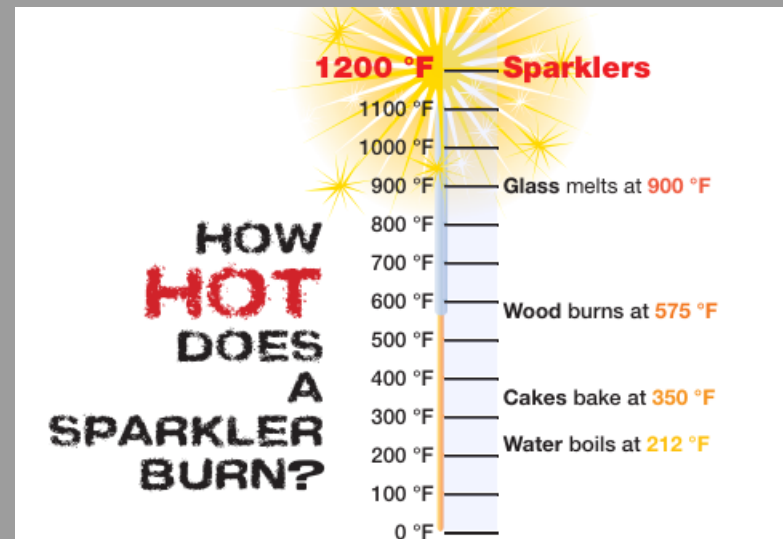
Local Statistics (Northern CA)

- In 2023, Sacramento Metro Fire responded to approximately 130 fires and multiple burn victims
- UCDMC Emergency Department Consults:
 - 2020: 3
 - 2021: 5
 - 2022: 2
 - 2023: 6
- Inpatient Consults
 - 2020: 0
 - 2021: 3
 - 2022: 1
 - 2023: 3
- Shriners' Children's Hospital:
 - 33 cases in the last 10 years
 - Average age 10 years old
 - Mostly 3rd degree



Firework Safety Tips

- Children should never handle or use fireworks at anytime, Sparklers can reach up to 1200 degrees
- Consider using safer options such as glow sticks, confetti poppers and streamers
- Children should always be kept a safe distance away



Firework Safety Tips

- Fireworks should always be used outdoors
- Read the caution labels
- Do not attempt to alter fireworks
- Keep a hose and/or bucket readily available
- Do not attempt to relight a “dud firework”
- Soak all fireworks overnight in water in a metal container
- Never hold, point or throw fireworks at another person

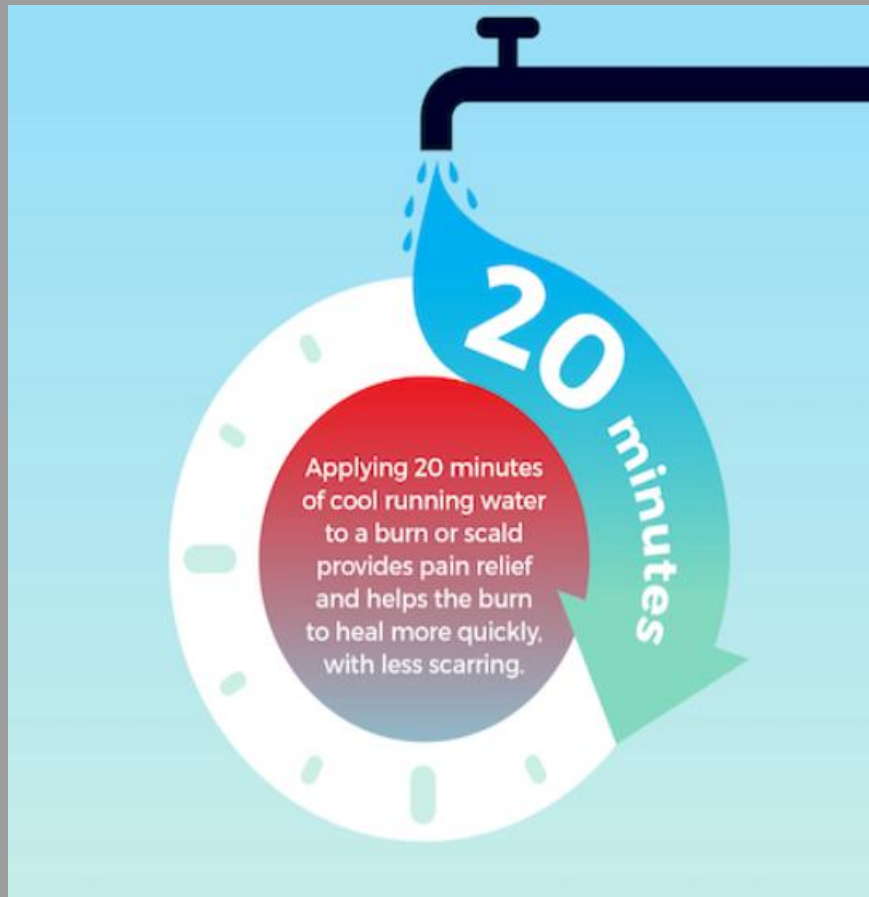




Leave the show to the Pros



If you do get burned...



- Cool the burn under cool running water for 20 minutes
- If the burn is the size of their hand, seek treatment immediately
- Do not apply any topical creams or ointments
- Seek treatment when in doubt





Contact Information

Rebecca Alessandri

Rebecca@ffburn.org

916-739-8525

Ffburn.org





Sources

UC Davis Hospital https://health.ucdavis.edu/burncenter/facility_features.html

Shriners Hospital <https://www.shrinerschildrens.org/en/locations/northern-california>

20 CRW: <https://www.20crw.org/>

NFPA <https://www.nfpa.org/education-and-research/home-fire-safety/fireworks>

CPSC <https://www.cpsc.gov/s3fs-public/2022-Fireworks-Annual-Report.pdf>

Safe Kids Worldwide: https://www.safekids.org/safetytips/field_risks/fireworks

National Safety Council: <https://www.nsc.org/community-safety/safety-topics/seasonal-safety/summer-safety/fireworks>



Questions?

- We will now be opening it up for questions.
- If you have a question, please use the “**raise hand**” feature and we will unmute you.



Subscribe!

- ▶ Subscribe for updates on all Office of the State Fire Marshal updates, including the CAL FIRE - OSFM Webinar Series at:
 - <https://osfm.fire.ca.gov/resources/osfm-subscription-page>



Thank you!

