



State of California
Department of
Industrial Relations

33rd California Industrial Hygiene Council (CIHC) Professional Development Seminar

December 3, 2024

Debra Lee, Chief of Cal/OSHA

Eric Berg, Deputy Chief of Health

Mission

Ca/OSHA:

Cal/OSHA's mission is to assure California's workers have safe and healthful working conditions.

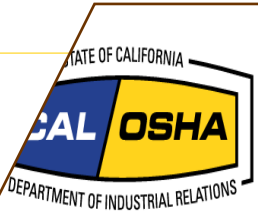
Cal/OSHA carries out its mission by:

- setting and enforcing standards
- providing and supporting training, outreach, education, and assistance
- working collaboratively with our sister agencies

CIHC:

Advancing public policy to improve the health and safety of workers and the community.

We Can't Do It Alone



Safety and Health is
EVERYONE'S
Responsibility



Cal/OSHA EXECUTIVE LEADERSHIP



Debra Lee
Chief



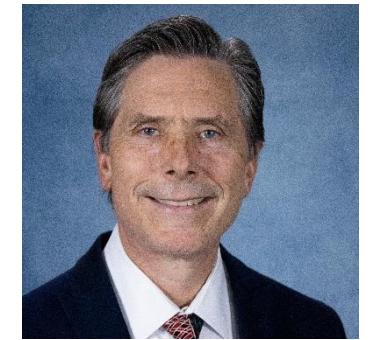
Dan Lucido
Chief Counsel



Eric Berg
*Deputy Chief of Health
and Research and Standards*



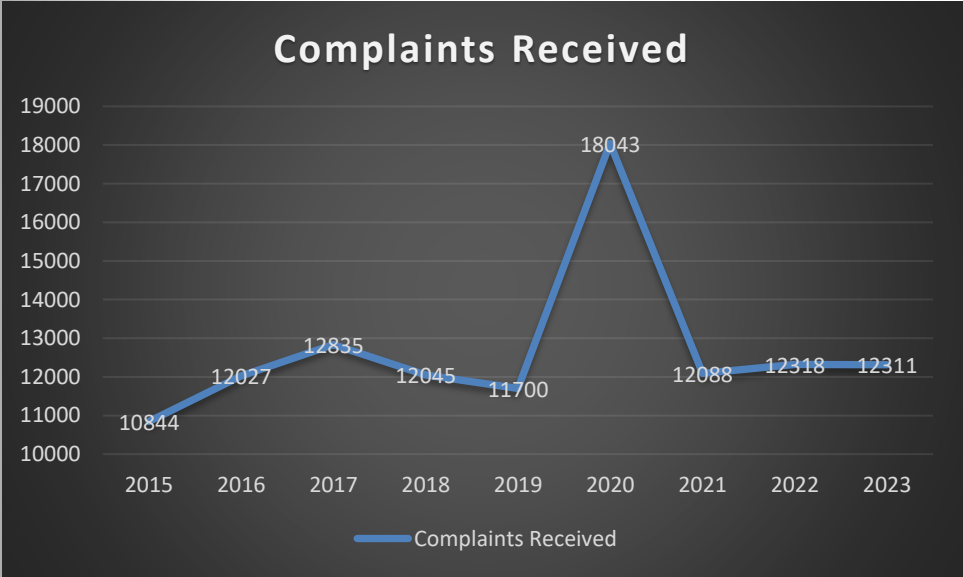
Carl Paganelli
*Deputy Chief of Consultation,
Process Safety Management
and Engineering Services*



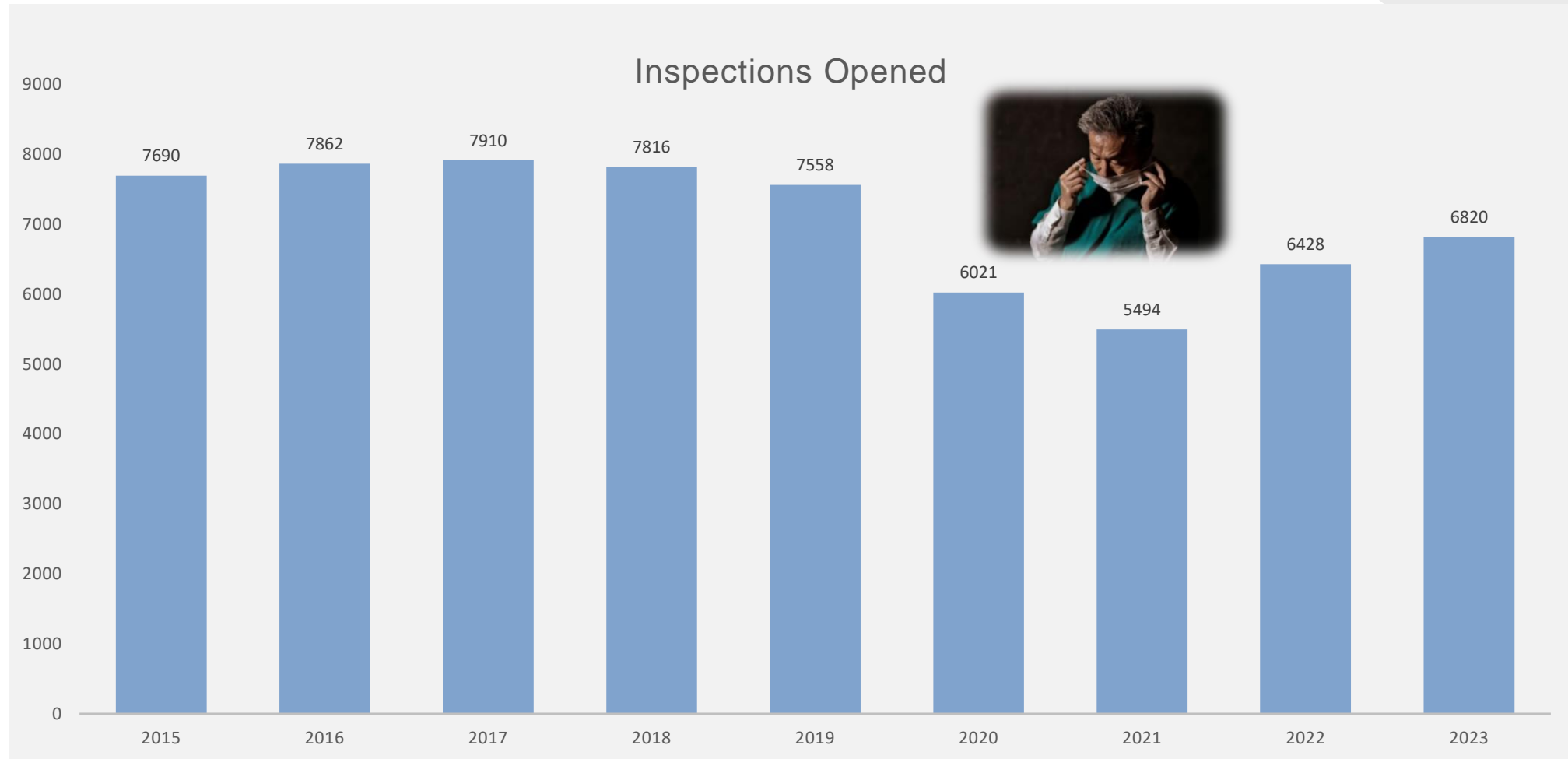
David Wesley
*Assistant Deputy
Chief of Enforcement*



COVID



Returning to Normal



Goals and Priorities

- Addressing the most challenging occupational health and safety hazards facing employees and employers in California
- Expansion of the Enforcement Branch Presence in California
- Establishment of the Agricultural Enforcement Task Force Unit
- Leveraging Technology and Embracing Innovation
- Creating Opportunities for Collaboration
- Developing and Enforcing New Regulations to Protect Workers and Educate Employers
- Hiring

Occupational Health and Safety Hazards Facing Employees and Employers in California



- Heat, and its effect on workplace conditions across industries and the state, is one of the most serious challenges facing employees and employers.
- The increase in climate-related occupational health hazards means the Division needs to continue to strengthen and build its industrial hygiene disciplines and provide robust staff training opportunities that help our staff, employers and workers identify these hazards and prevent the deaths and injuries that result from them.

Occupational Health and Safety Hazards Facing Employees and Employers in California



- JAMA Internal Medicine recently published a case study in which it identified 52 young men who were diagnosed with silicosis, many with severe disease and some who died. The median age of these workers was 45, and 51 of the 52 were Latino.

Occupational Health and Safety Hazards Facing Employees and Employers in California



- Workplace violence has increased at an alarming rate over the past decade. The hazard of violence at work, especially gun violence, is a growing national hazard – in 2018, 351 workers in America died from an intentional shooting by another. In 2022 that number had increased to 435.2 California has had a regulation to address workplace violence in healthcare settings since 2017.

Occupational Health and Safety Hazards Facing Employees and Employers in California



Overdose Deaths

- Nationally, overdoses now account for nearly 1 in 11 worker deaths on the job. In California, 23 percent of workplace fatalities in 2022 were due to an unintentional overdose. Between 2018 and 2022, the number of fatal occupational injuries due to unintentional overdoses that occurred at work rose from 23 to 117 statewide.

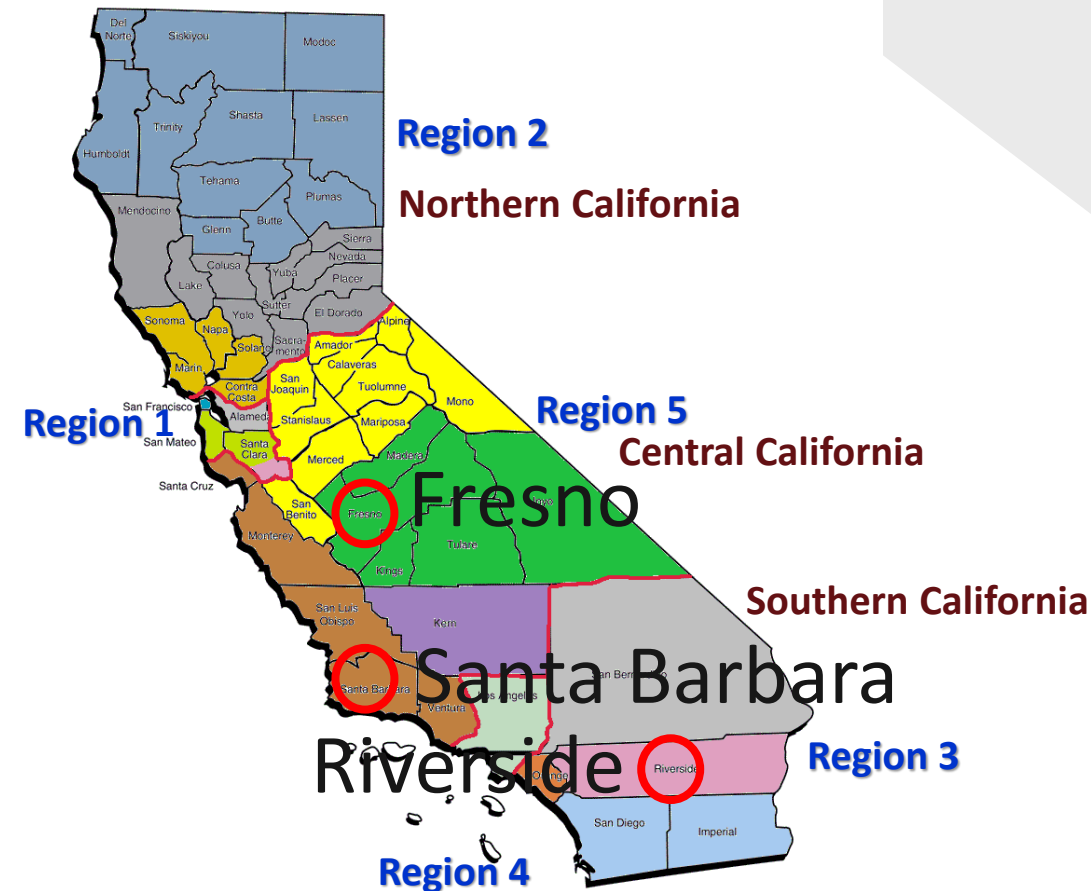


Expansion of the Enforcement Branch Presence in California

New Offices

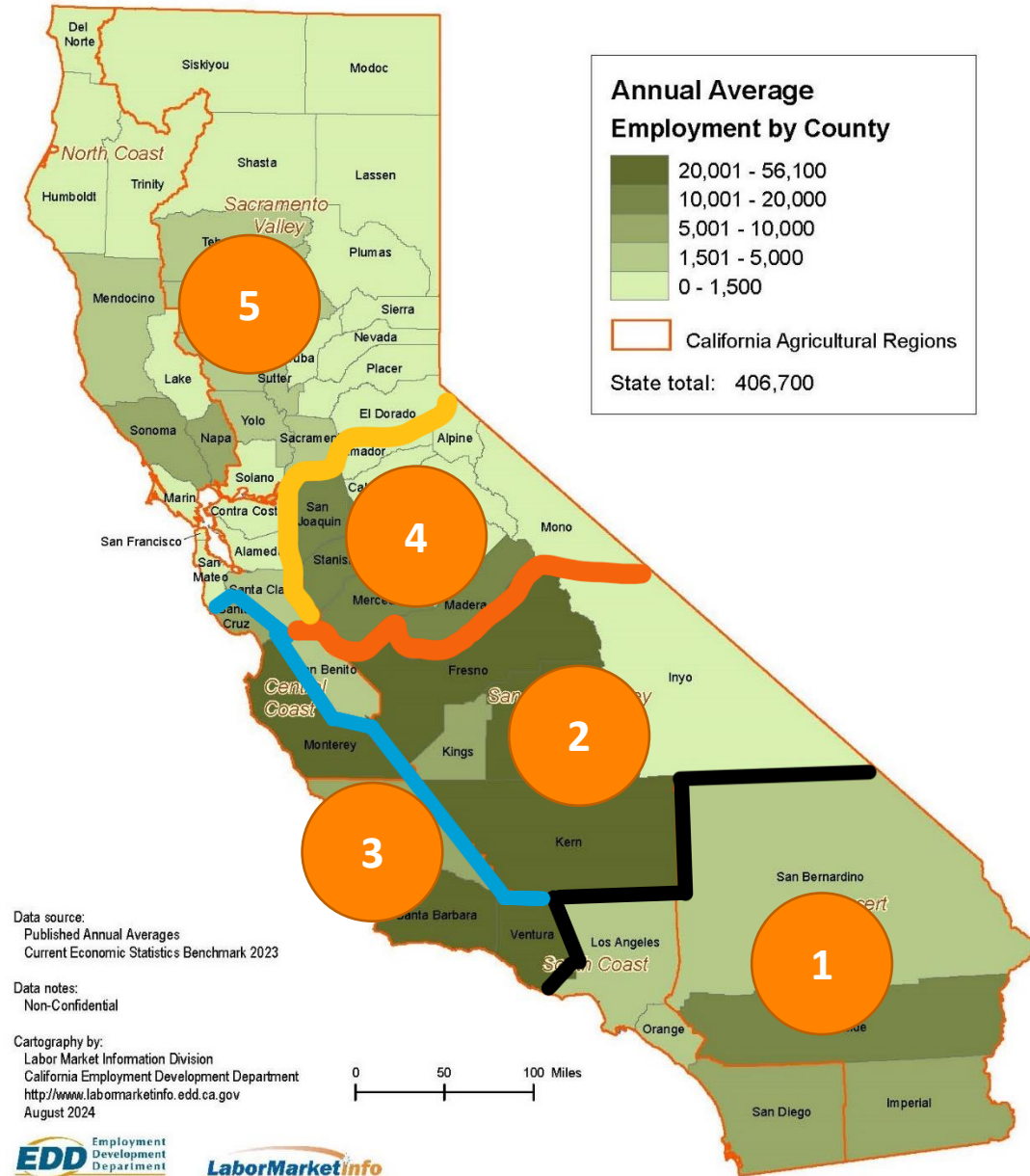


Current Footprint



Agricultural Enforcement Task Force and Outreach Unit

- The Agricultural Enforcement Unit will consist of five local district offices enforcing agricultural and other health and safety regulations.
- The Agricultural Outreach Unit will operate bilingual hotline number accessible from 7:00am – 7:00pm for employees to report unsafe workplace conditions and practices.

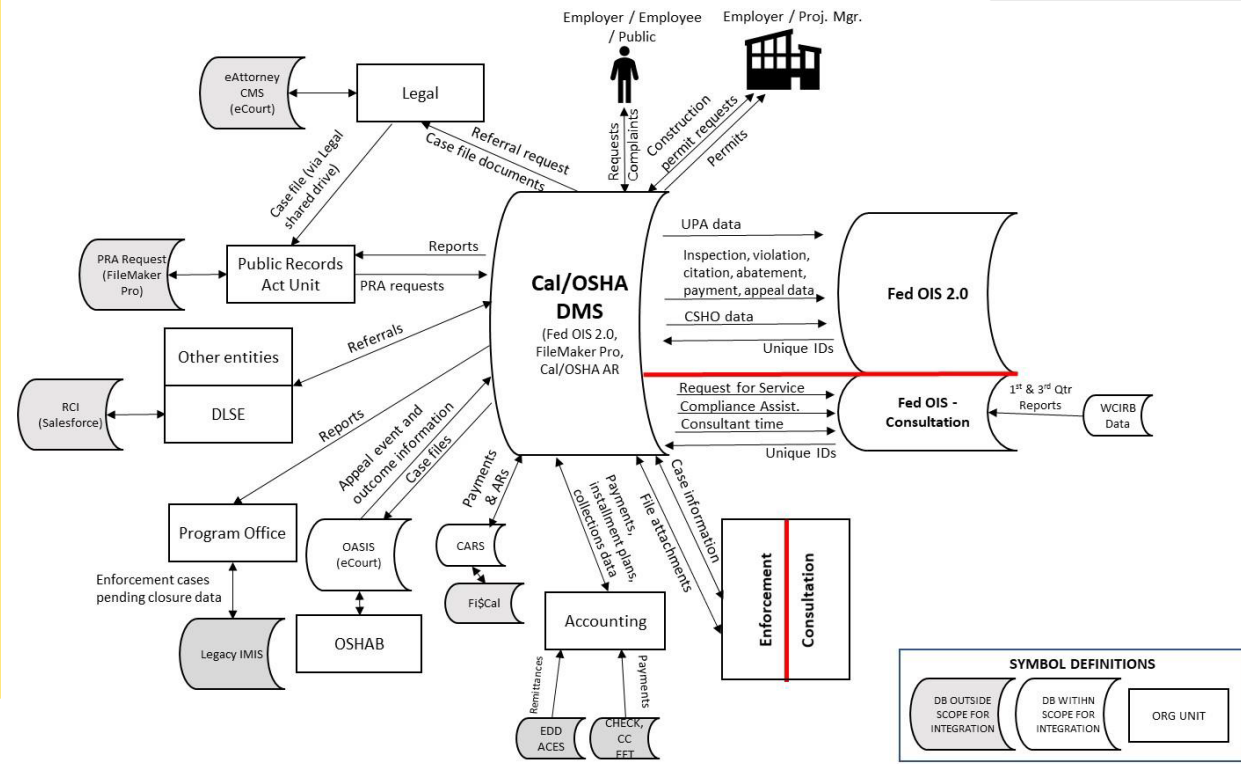


Leveraging Technology and Embracing Innovation

Current System



Online Data Management System



Leveraging Technology and Embracing Innovation

Current Bilingual Communication Systems

- Certified Bilingual Staff
- On-Demand Telephone Translation through Interpreters Unlimited



TranslateLive App

- TranslateLive is an AI-powered tool that offers immediate translations, ensuring that workers receive the right information the first time.
- The tool is designed to handle 200 languages and various dialects / cultural nuances, ensuring that communication is respectful and relevant to the individual's background.



Creating Opportunities for Collaboration



Collaboration is key



Eric Berg

Deputy Chief of Health

**Developing and Enforcing
New Regulations**

To Protect Workers and Educate Employers

2025 Planned Occupational Health Rulemaking

- Silica
- First Aid Kits
- Heat Illness Prevention
- Wildfire Smoke
- PELs
- Workplace Violence in General Industry
- Process Safety Management in Refineries
- Opioid Reversal Medications

§5204 - Silica in Countertop Fabrication

- Emergency Regulation Effective December 29, 2023
- Normal Regulation Noticed May 3, 2024
- Standard Board vote anticipated for December 19, 2024
 - Likely effective early 2025
- Requires wet methods, respiratory protection, housekeeping, and other protections

First Aid Kits

Construction (§1512) & General Industry (§3400)

- First Aid Kit Contents:
 - Determined by a physician or other licensed health care professional (PLHCP), or
 - ANSI/ISEA Z380.1 – 2021
- Checked weekly
- Accessible to employees
- Location clearly indicated
- Evaluate need for additional items based on hazards in the workplace
- Rulemaking to start in early 2025

Heat Illness Prevention (AB 2243 – 2021)

§3395 Outdoor heat & 3396 Indoor Heat

AB 2243 requires DOSH to revise the heat regulations and consider:

- Require employers to distribute a copy of the Heat Illness Prevention Plan to employees:
 - Upon hiring
 - Upon required training
 - Once a year
 - Distribution required no more than twice a year to each employee
- Add protections for acclimatization to higher temperatures

Heat Illness Prevention (AB 2243 – 2021)

§3395 Outdoor heat & 3396 Indoor Heat

Timeline:

- Discussion draft posted online in early 2025
- Advisory Committee in 2025
- Submit proposal to Standards Board by 12/01/2025

§5141.1 Wildfire Smoke (AB 2243 – 2021)

AB 2243 requires DOSH to revise §5141.1 and consider:

- Mandatory respiratory protection at an Air Quality Index of 301 or lower (currently 500)
 - For Farmworkers
 - Exempt employers from fit testing, medical evaluation, & other requirements under 5144 Respiratory Protection

§5141.1 Wildfire Smoke (AB 2243 – 2021)

Timeline:

- Discussion draft posted online in early 2025
- Advisory Committee in 2025
- Submit proposal to Standards Board by 12/01/2025

§5155 Permissible Exposure Limits (PELs)

Trichloroethylene: reduce PEL from 25 to 0.2 parts per millions

- Reduces cancer risk from 106 per 1000 workers to 1 per 1000 workers
 - Goal is to reduce cancer risk to 1 per 10,000 workers, but not reached due to feasibility
- Timeline: Start rulemaking in 2025

§5189.1 Process Safety Management in Refineries

Rulemaking required by

- Petition 601 Granted by Standards Board June 20, 2024
- AB 2358 – 2024
- Remove the word “*petroleum*” from Title 8 section 5189.1
 - §5189.1. Process Safety Management for ~~Petroleum~~ Refineries
 - Regulation would apply to all Refineries that make fuels, including
 - Biofuels
 - Renewable fuels
- Timeline: Submit to Standards Board by January 1, 2026

§3343 Workplace Violence Prevention General Industry

- Rulemaking required by SB 553
- Discussion Draft of Regulation posted July 23, 2024
 - Similar to Labor Code 6401.9 (effective July 1, 2024)
 - www.dir.ca.gov/dosh/doshreg/Workplace-Violence-in-General-Industry
- An advisory committee to consider draft will be scheduled for early 2025
- Submit to Standards Board by December 31, 2025

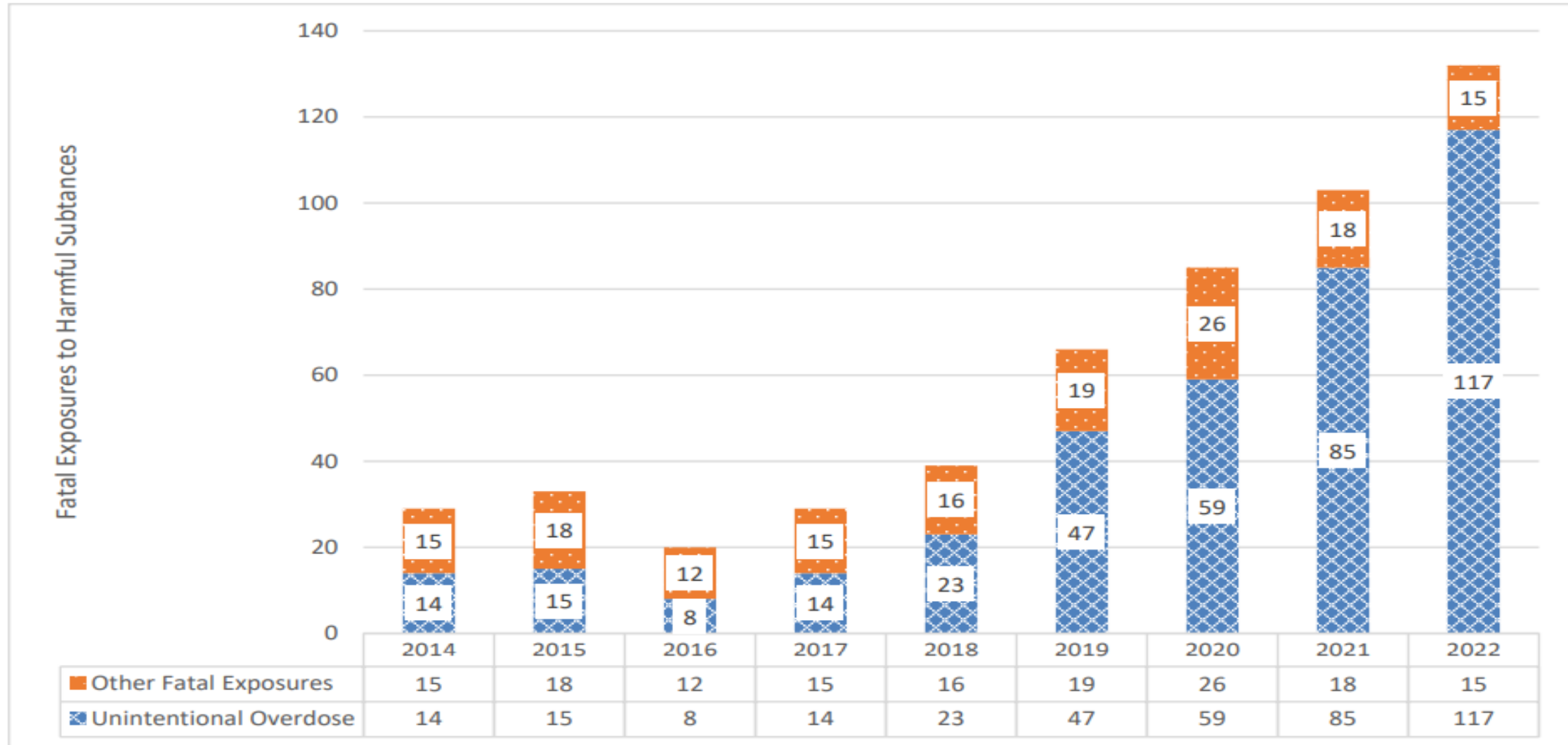
Opioid Reversal Medications

Rulemaking required by AB 1976 (2024) and Petition 602

- Require employers to:
 - Have opioid reversal medication at worksites
 - Provide employees training

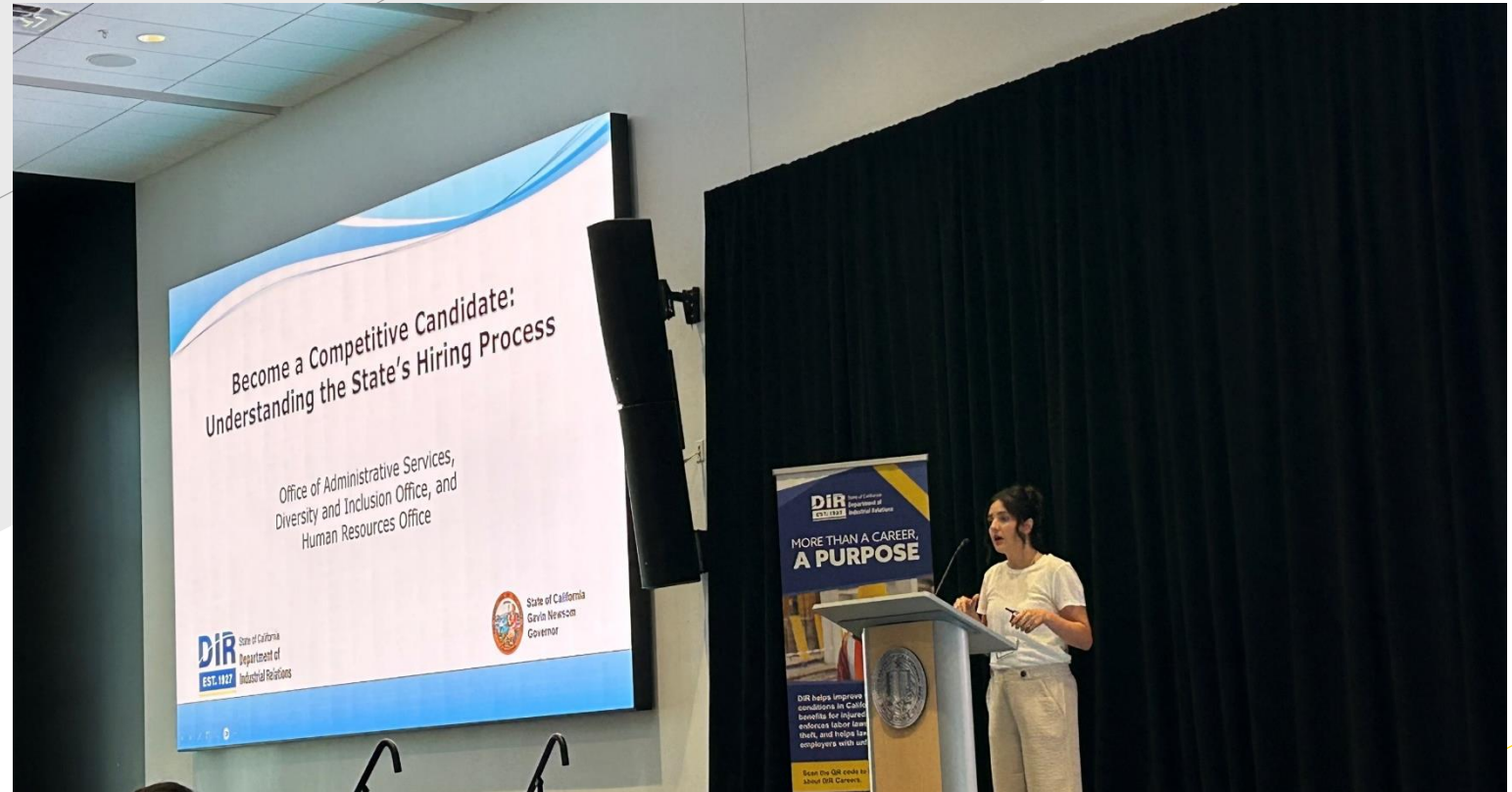
Opioid Reversal Medications

Figure 8a. California Fatal Unintentional Overdoses and Other Fatal Exposures to Harmful Substances Within the Scope of CFOI (2014–2022)





State of California
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Cal/OSHA is Hiring

Recruitment Event





Questions?