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# Green Chemistry: Through the Lens of Public Health

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**A BROWN-BAG SYMPOSIUM**

**OCTOBER 18, 2010  
10 AM - 3 PM**

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Division of Food, Drug, and Radiation***

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## CDPH 10 Essential Services and Green Chemistry

The mission of CDPH is dedicated to optimizing the health and well-being of the people of California.

1. Monitor
  2. Diagnose and Investigate
  3. Inform, Educate, Empower
  4. Develop Policies that Support
  5. Enforce
  6. Enforce
  7. Link People to Services
  8. Assure Competent Public Health System
  9. Evaluate
  10. Research
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# CDPH - Food and Drug Branch

Food  
Safety

Drug  
Safety

Medical  
Device  
Safety

Consumer  
Product  
Safety

Physical,  
biologic, and  
chemical hazards

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## Existing Health and Safety Code Microbial, Physical, and Chemical Hazards Governed by CDPH

### Consumer Product

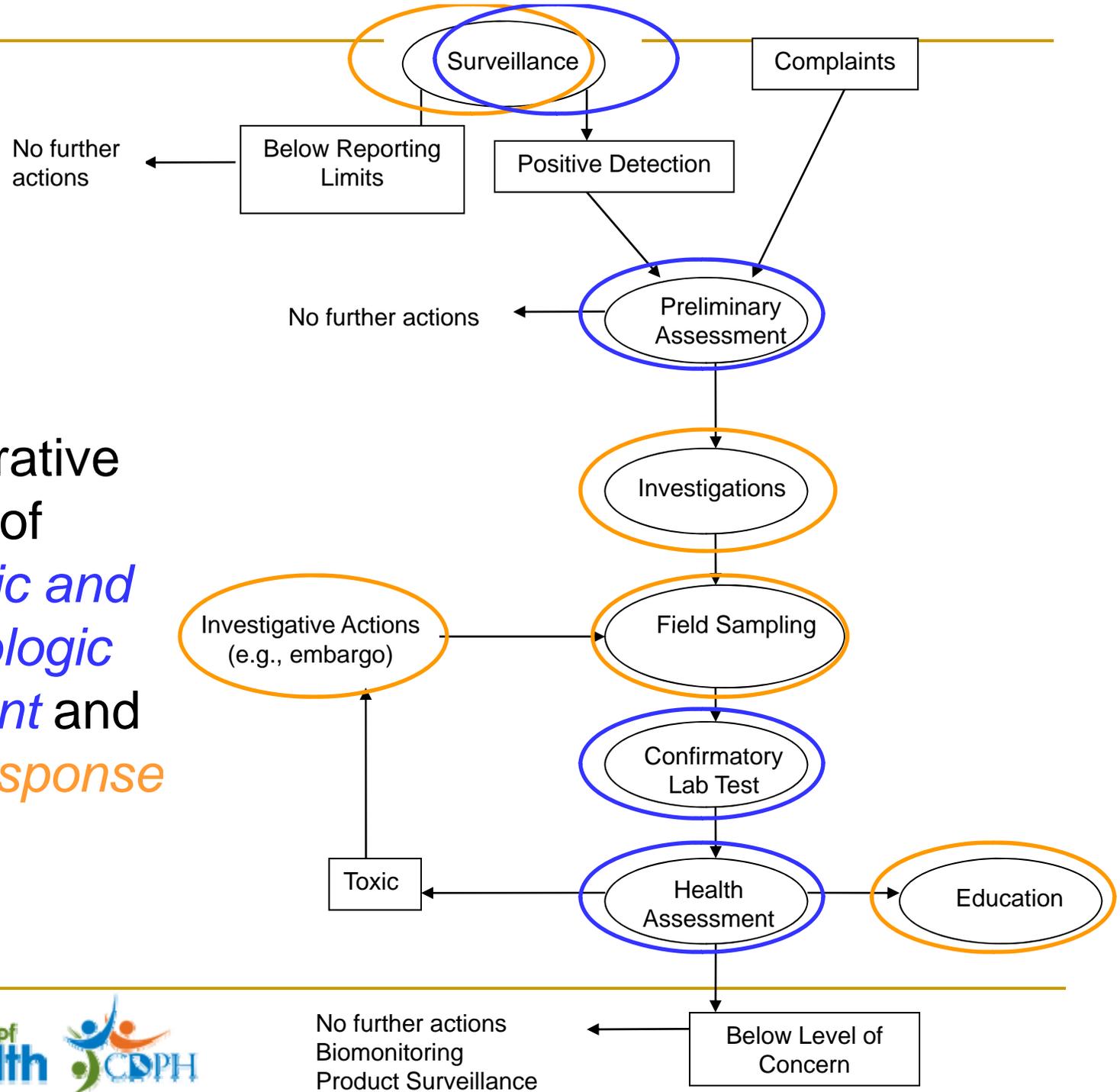
- **Toys**
- **Child Care Articles**
- **Art/Craft Materials**
- **Tableware**
- **Cribs**
- **Bunk Beds**

### Contaminant/Issue

- Lead and Heavy Metals
- Phthalates
- Hazardous Substances
- Lead and Cadmium
- Design and Safety
- Design and Safety

# CDPH

A collaborative blend of *toxicologic and epidemiologic assessment* and *effective response*



# CDPH - Authority to Act

State of California

Department of Public Health

California



## EMBARGOED

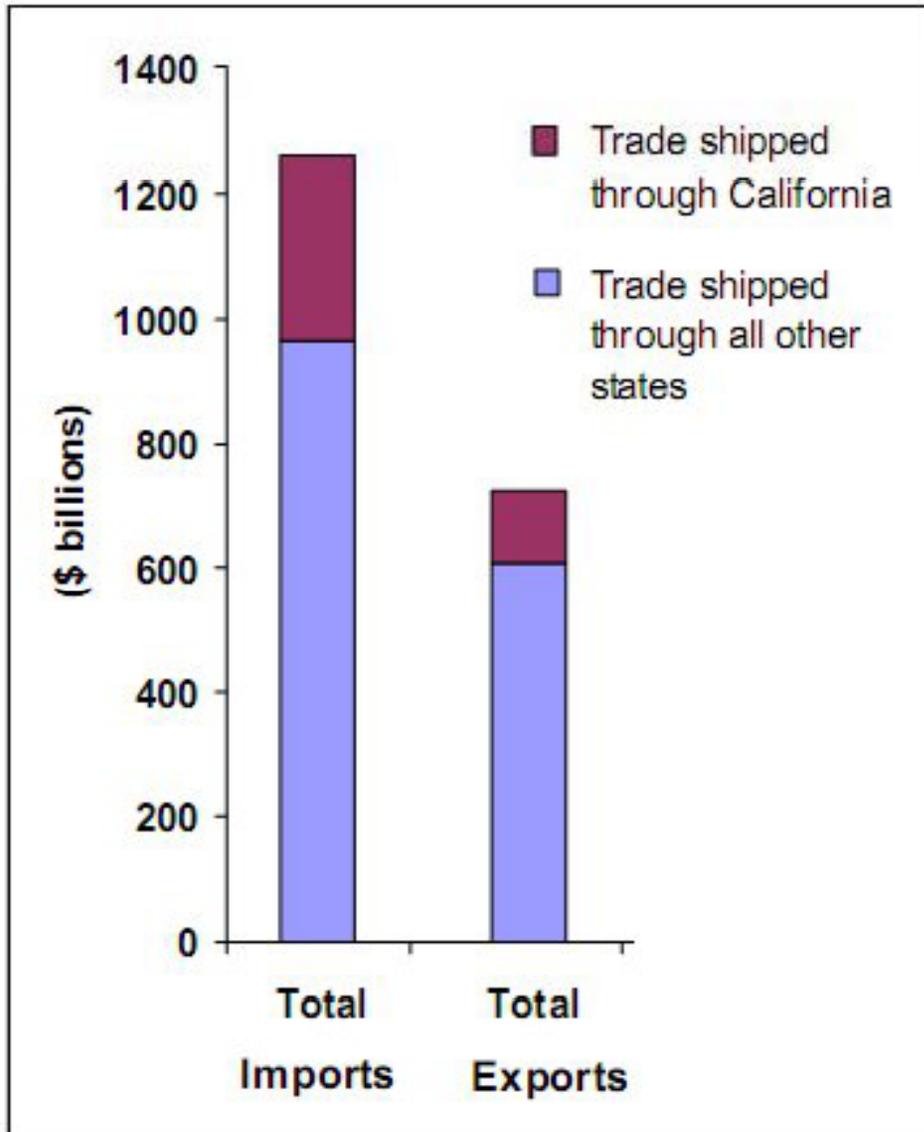
Under authority of the California Health and Safety Codes: Division 104, Part 5, Chapter 8, Article 3, Section 111860 or Part 3, Chapter 9, Article 3, Section 108905 or Part 3, Chapter 5, Article 2, Section 108565 or Part 3, Chapter 4, Article 5, Section 108375

**WARNING:**  
IT IS UNLAWFUL TO REMOVE OR DISPOSE OF THIS MATERIAL WITHOUT WRITTEN AUTHORIZATION FROM THE:

California Department of Public Health  
Food and Drug Branch  
1500 Capitol Avenue, MS-7602  
Sacramento, CA 95814  
(916) 650-6500

Example: 234 Food Embargo/Quarantines (\$8.6 million) in FY 2009-10.  
CDPH-Food and Drug staff are Commissioned Officers of U.S. FDA and U.S. CPSC.

## CDPH – Imports/Exports to and from California



Source: Public Policy Institute of California

**In 2003, \$406.5 billion worth of U.S. trade went through California's sea, air, and land ports.**

**\$120 billion of cargo value in Long Beach Port in 2009.**

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# CDPH – In Action

Collaborative work with between CDPH and CPSC using XRF at the  
Port of Long Beach, CA



**US Consumer Product Safety Commission**

▶ Consumer Safety

▶ About CPSC

▶ Library - FOIA

▶ Business

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California Department of  
**Public Health**

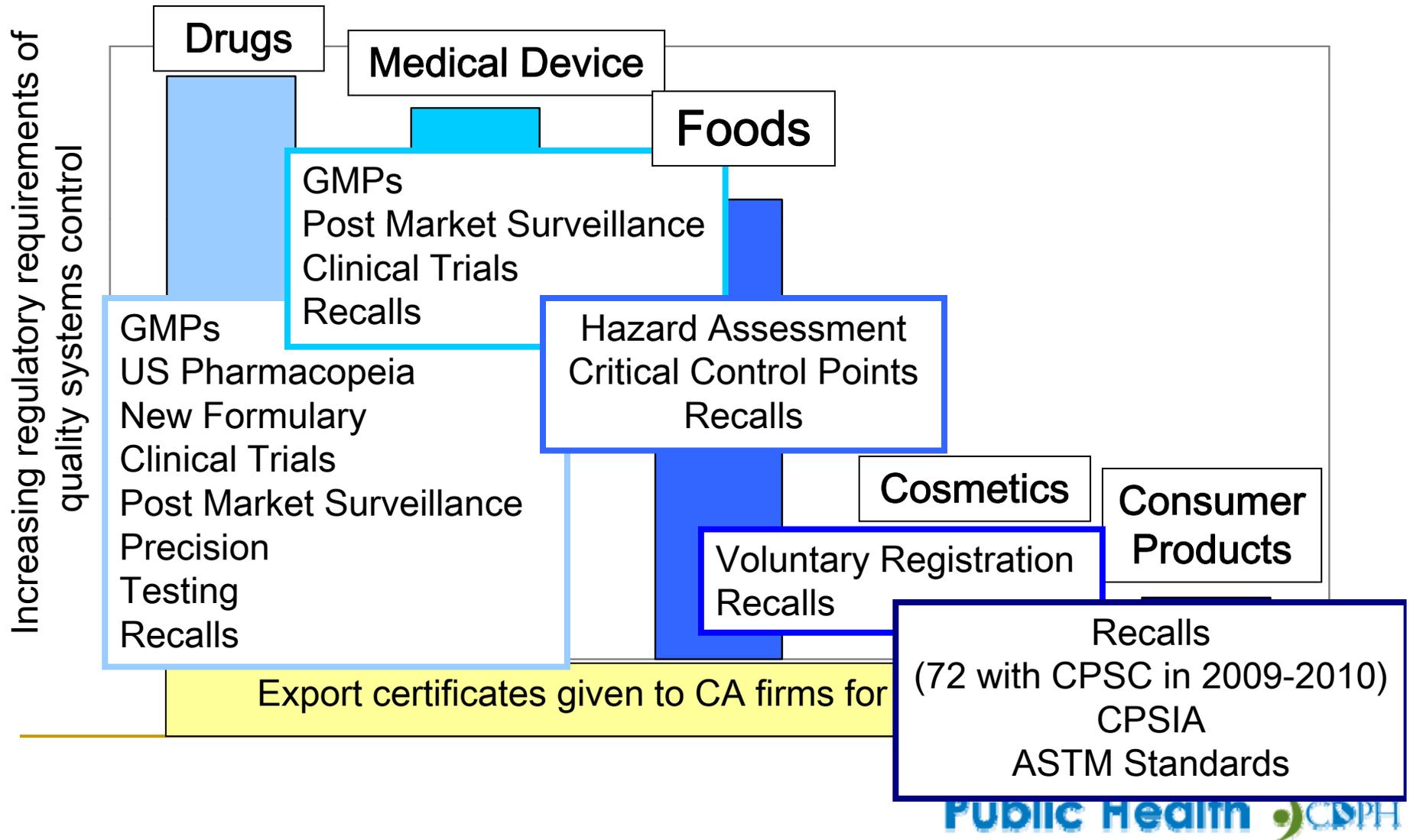


# CDPH - The Present

- ✓ CDPH consumer product safety program is a complaint-based reactive program.
- ✓ Close coordination with federal programs (e.g., contract with U.S. CPSC to conduct recall effectiveness checks).



# Green Chemistry Models for Regulatory Quality Systems Control



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# CDPH - The Future-Challenges

- ✓ **Become Green Chemistry proactive and aware.**
- ✓ **Work towards engineering quality concerns at the manufacturing level.**
- ✓ **Integrate program to leverage resources.**
- ✓ **Better monitor imported consumer products at ports of entry.**
- ✓ **Improve recall system.**
- ✓ **Improve consumer information and partnerships.**