Health Impact Review: SB 6529

Washington State Board of Health
Governor’s Interagency Council on Health Disparities
June 21, 2018
Overview

- Health Impact Review (HIR) framework
- Health Impact Review: Senate Bill 6529
Health Impact Review framework
HIR overview
RCW 43.20.285

Proposal

Governor

Legislators

Health

- Communities of color
- Rural communities
- Low-income communities
HIR requests by topic area

- Criminal justice: 16%
- Education: 18%
- Environment: 5%
- Health care: 14%
- Mental health: 11%
- Substance use: 16%
- Transportation: 2%
- Labor/employment: 15%
- Other: 3%
Potential pathways

Proposal → Intermediate Outcomes → Health Impacts
Strength of evidence criteria

VERY STRONG EVIDENCE
STRONG EVIDENCE
A FAIR AMOUNT OF EVIDENCE
EXPERT OPINION
INFORMED ASSUMPTION
UNCLEAR IMPACT
INDETERMINATE
NOT WELL RESEARCHED
Health Impact Review: Senate Bill 6529
SB 6529: Proposal and pathways

- **Pesticide Use Reporting System**
  - Requires Washington State Department of Health (DOH) to create and maintain a publicly-available pesticide use reporting system.

- **Application-specific Notifications**
  - Requires DOH to notify all child care centers, schools, and individuals requesting notification within ¼ mile of the application site at least two hours before application occurs.
SB 6529: Methods

- Literature review: Limited research

- Key informant interviews: 18 total
  - 11 representing pesticide and state regulatory agencies
  - 4 representing pesticide applicators or growers
  - 2 representing academia
  - 1 representing farmworkers
Pesticide applicators submit pesticide use records on a monthly basis to DOH.

DOH publicly publishes pesticide use data.

Increased pesticide information and data available to researchers, local health jurisdictions, policymakers, and other stakeholders.

Increased analyses of pesticide application events.

Improved understanding of pesticide use, potential exposure, risk factors, and associated health outcomes.

Changes to and adoption of pesticide application policies and practices that reduce exposure.

Reduced acute and chronic pesticide-related health outcomes.

Reduced health disparities.
Pesticide use reporting: Takeaways

1. Most evidence for pesticide use reporting (PUR) is based on California’s system, and their data is accessible.

2. California’s PUR data has led to identifiable policy change.

3. Oregon’s PUR system offers lessons learned.
## SB 6529: Notifications

**Pathway 2**

| Pesticide applicators notify DOH four days prior to pesticide application by aerial, air-blast, or fumigation methods | DOH notifies child care centers, schools, and individuals requesting notification within ¼ mile of the application site two hours before application event | Child care centers, schools, and individuals requesting notification receive information they need AND take action to lower risk of pesticide exposure | Reduced acute and chronic pesticide-related health outcomes |

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**Reduced acute and chronic pesticide-related health outcomes**
1. Creating a list of interested individuals does not necessarily protect those most at-risk for pesticide exposure through drift.

2. Child care centers, schools, and individuals may have limited ability to take action.

3. Under some circumstances, notification may have the potential to increase application, increase exposure, and worsen health outcomes.

4. Kern County, California offers an example of a successful grower-to-grower notification system.
Pesticide Use Reporting System

- Pesticide Use Reporting has the potential to increase available pesticide use information and data, increase analyses and improve understanding of pesticide application, inform policy change, influence application practices, reduce acute and chronic pesticide-related health outcomes, and decrease health disparities.

Application-specific Notifications

- Application-specific notifications have unclear impacts on health and health disparities. California offers an example of a successful grower-to-grower notification system.
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