

## What are our priorities?

The National Institute for Occupational Safety and Health (NIOSH) Agriculture, Forestry, and Fishing Program works with partners in industry, labor, trade associations, professional organizations, and academia. The program currently focuses on these areas:

- Reducing pesticide exposure in agriculture workers
- Reducing traumatic injuries in workers within the commercial fishing industry
- Reducing traumatic injuries in forestry workers

## What do we do?

- Work with the 11 Centers for Agricultural Safety and Health on these activities:
  - Research exposure, disease, and injury.
  - Develop and implement educational, outreach, and prevention programs.
  - Develop and evaluate control technologies.
- Use partnerships to promote NIOSH recommendations to prevent injuries, illnesses, and fatalities.
- Encourage extramural research in forestry and logging through cooperative agreements.
- Focus research in agriculture, forestry and fishing on health disparities among vulnerable populations in these industries. Vulnerable groups include immigrants, children, and older workers.

## What have we accomplished?

- The Pacific Northwest Agriculture Safety and Health Center and partners completed 100 interviews and 25 case studies among immigrant Latino forestry workers and their employers with a focus on the cause of serious injuries, what motivated workers to report injuries, and how to address safety and medical needs.
- The Southwest Center for Agricultural Health, Injury Prevention and Education performed a detailed search of available data to count and characterize logging workers. Surveillance challenges in this sector were also specified.
- The Western Center for Agricultural Health and Safety helped to refine an immunoassay technique that can be taken into the field to rapidly identify antibodies that indicate exposure to pesticides.
- NIOSH published "[Assessment of Safety in the Bering Sea/Aleutian Island Crab Fleet](#)", a detailed analysis of work-related injuries and vessel safety issues within the Bering Sea/Aleutian Island crab fleet. The report identifies hazards and opportunities for safety improvements within the fleet.
- NIOSH worked with shrimp fishermen in the South Atlantic and the Gulf of Mexico to design stationary guarding for their winches, and then tested designs in the field.
- The Pacific Northwest Agriculture Safety and Health Center developed and pilot-tested a new mobile app for pesticide handlers that provides pesticide product labels in English and Spanish.

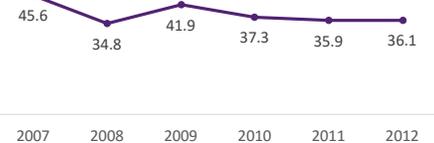
## What's next?

- Publish a study examining reasons why crewmembers survived cold water immersion after vessel sinkings in Alaskan waters during 2000–2014. This information will be used to make tailored recommendations to reduce the risk of deaths in vessel sinking incidents.
- Upgrade and expand the Commercial Fishing Incident Database to better identify priority hazards to specific fleets and regions across the U.S.
- Extramural scientists will test Bluetooth-enabled positioning technology for safety in logging operations.
- Centers for Agricultural Safety and Health will collaborate on sharing best practices for social media data analysis to better measure user engagement with research.

## At-A-Glance

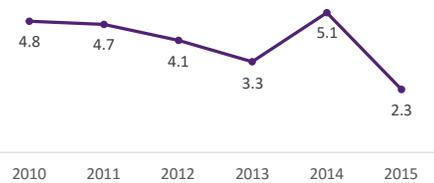
The Agriculture, Forestry, and Fishing Program provides leadership to prevent work-related injuries and illnesses among the nation's agricultural and forestry workers and fishermen. This snapshot shows recent accomplishments and upcoming work.

**Acute Pesticide-related Illness and Injury Rate in Agricultural Sub-sector (per 100,000 workers)**



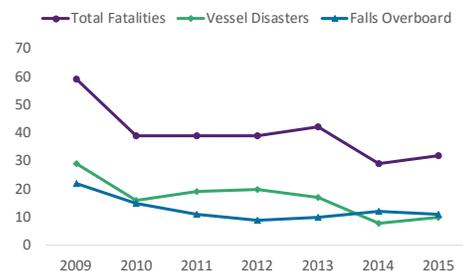
Source: Calvert GM, et al. Acute occupational pesticide-related illness and injury—United States, 2007–2011. In: Centers for Disease Control and Prevention. Summary of Notifiable Non-infectious Conditions and Disease Outbreaks. In press.

**Work-related Injury and Illness Rate in the Logging and Forestry Sub-sector (per 100 workers)**



Source: U.S. Bureau of Labor Statistics

**U.S. Commercial Fishing Fatalities by Incident**



Source: NIOSH program records

To learn more, visit  
<https://www.cdc.gov/niosh/agforfish/default.html>