



FLIPP SURVEY RESULTS

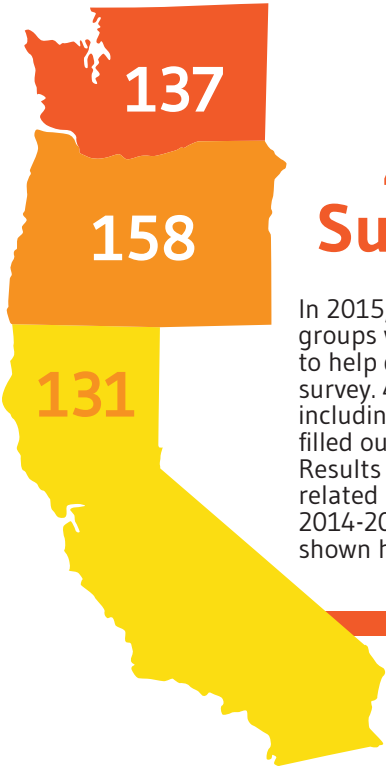
Fisherman Led Injury Prevention Program



FLIPP is an innovative project that includes commercial fishermen, researchers, extension agents, and coastal community members. The goal of FLIPP is to understand non-fatal injuries in the Dungeness crab fishery and to test ideas to reduce or prevent these injuries. This poster shares the results of our survey on crabbing-related injuries and fishermen's insights on safety.

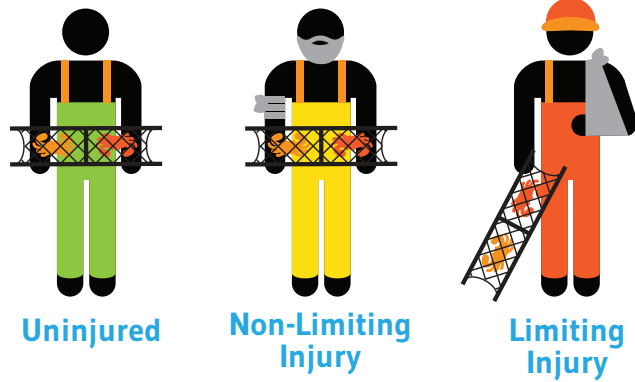
Oregon State University OSU College of Public Health and Human Sciences

This study is supported by CDC/NIOSH Grant # U01 OH 010843



426 Surveys

In 2015, we held focus groups with fishermen to help design our survey. 426 fishermen, including 365 crabbers, filled out our survey. Results for crabbing related injuries in the 2014-2015 season are shown here.



Uninjured **Non-Limiting Injury** **Limiting Injury**

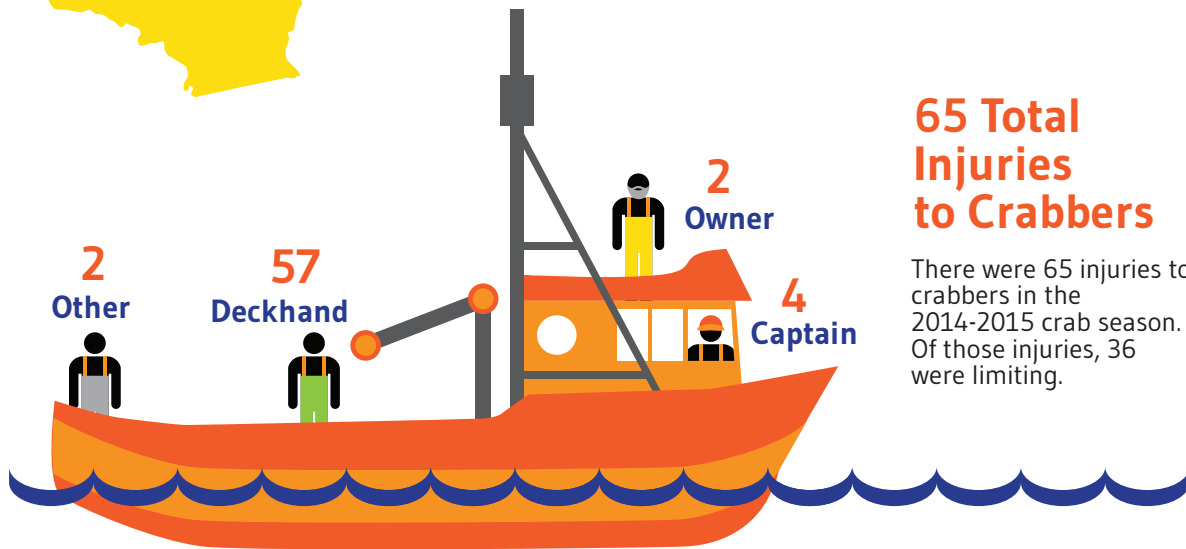
Injury was defined as required first aid at the time of or after the injury, or caused time away from fishing or required you to change how you work.

Limiting injuries require you to take time off work or require you to change how you work. These definitions are different than that used by the United States Coast Guard.

We asked fishermen:

"What are two things you think are most important for staying safe while commercial fishing?"

- Good Captain and Crew**
 - "Communication with crew"
 - "Experienced crew"
 - "Trust the guys you work with"
- Best Marine Practices**
 - "Don't fish in bad weather"
- Awareness**
 - "Never have tunnel vision"
 - "Listening to not normal sounds"
- Well Maintained Boat & Gear**
 - "Boat in good condition"
 - "Gear in good condition"
 - "Clean, orderly work area and deck"
- Safety Prep & Drills**
 - "Thinking of risks"
 - "Safety classes and training"
- Good Judgement**
 - "Common sense"
 - "Think before you do"
- Experience**
 - "Knowing the equipment"
 - "Know what you are doing"
- Sea Legs**
 - "Don't fall off the boat"
 - "Know where to be and where not to be"
- Taking Care of Yourself**
 - "Eat"
 - "Stay warm"
 - "Staying healthy"
- Combatting Fatigue**
 - "Know your limits"



65 Total Injuries to Crabbers

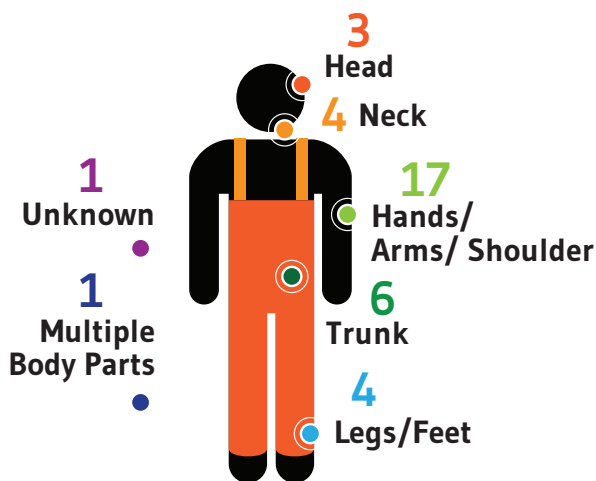
There were 65 injuries to crabbers in the 2014-2015 crab season. Of those injuries, 36 were limiting.



"What do you think contributes most to commercial fishing injuries?"

Type of Injury

Of 36 limiting injuries



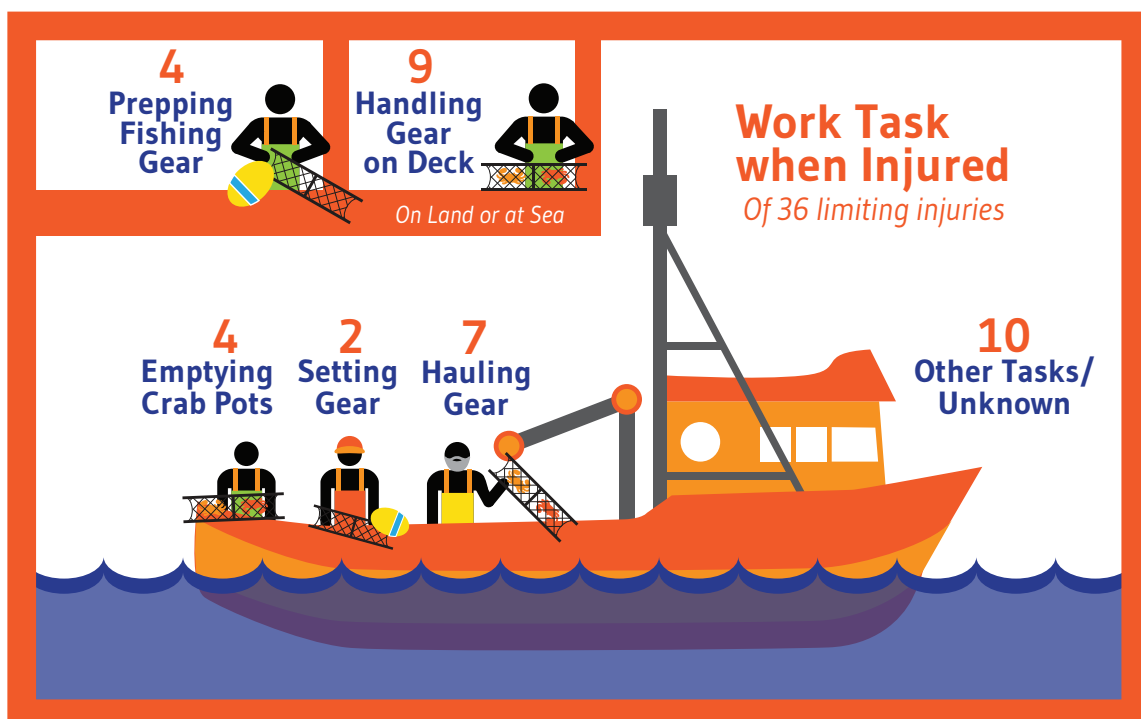
Body Part Injured

Treatment ranged from "walked it off" to aeromedical evacuation.

- Not Paying Attention**
 - "People not being alert"
 - "Lack of focus"
- Weather & Sea Conditions**
 - "Slippery"
 - "Challenging environment"
 - "Rough sea"
- Hard Work**
 - "Difficult work"
 - "Overworked"
 - "Pushing too hard"
- Unsafe Vessel or Gear**
 - "Misuse of vessel"
 - "Poor maintenance and design of vessel"
- Stupidity**
 - "Idiots"
 - "Not using your head"
- Bad Luck**
 - "Stuff out of your control"
 - "Wrong place wrong time"
- Being Unsafe**
 - "Unsafe actions"
 - "Unnecessary risk"
- Inexperience**
 - "Lack of knowledge"
 - "New guys not knowing where to stand"
- Poor Physical Shape**
 - "Being in lousy physical shape"
 - "Working when not 100% - this increases your risk"
- Not Training**
 - "Lack of practice or drills"



With over 1,200 individual responses, they were grouped into categories, with some examples shown here.



The next phase of the project will be to solicit and test ideas to reduce injuries. This is a study by Dr. Laurel Kincl at Oregon State University in collaboration with Oregon Sea Grant looking at injury prevention in the Dungeness crab fleet. Go to this website to provide us feedback on what you think would help prevent injuries: blogs.oregonstate.edu/flipp