

U.S. Pacific Region Residents' Awareness of and Attitudes Toward Aquaculture

Oregon Results

Mark Damian Duda
Executive Director
Responsive Management



Credit: The Marine Mammal Center

Acknowledgments

Luke Gardner, Ph.D., California Sea Grant Extension Specialist, University of California, San Diego,
Scripps Institution of Oceanography

Devin Fitzgerald, California Sea Grant Extension Specialist, University of California, San Diego,
Scripps Institution of Oceanography

Kevin Marquez Johnson, Ph.D., California Sea Grant Extension Specialist, University of California,
San Diego, Scripps Institution of Oceanography

Amalia Aruda Almada, Ph.D., University of Southern California Sea Grant Extension Specialist

Sydney Rilum, University of Southern California Sea Grant Research and Policy Specialist

Melissa Good, Alaska Sea Grant Mariculture Specialist, University of Alaska Fairbanks

Angee Doerr, Ph.D., Oregon Sea Grant Extension Specialist

Alexandria Marquardt, Ph.D., Oregon Sea Grant Coastal Mariculture Extension Specialist

Bradley (Kai) Fox, Ph.D., Hawaii Sea Grant Aquaculture Extension Specialist,
University of Hawai'i at Mānoa

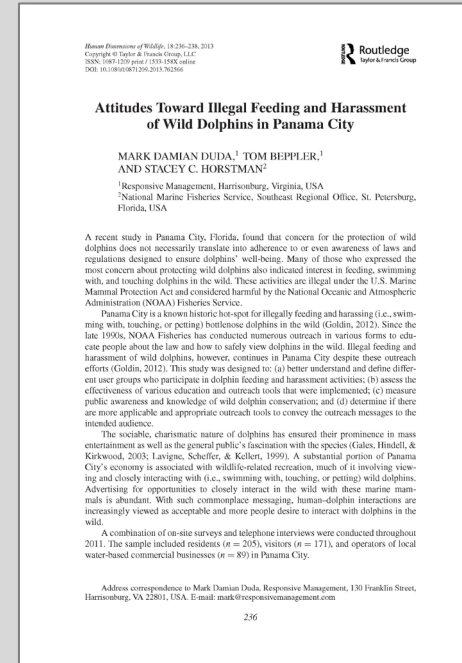
Michael Lee, Executive Director, California Aquaculture Association

Margaret A. Pilaro, Executive Director, Pacific Coast Shellfish Growers Association

Tony Vaught, President and CEO, Professional Aquaculture Services, Inc.

About Responsive Management

- High-quality, legally defensible survey research on natural resource, environmental, and outdoor recreation issues for more than 35 years
- Known, trusted source of research within the fisheries community; working relationships with agency directors, NGO heads, and more
- More than 300 projects on fisheries issues
- Research in 50 states and 15 countries
- Research conducted for every state fish and wildlife agency and federal resource agency, including NOAA and NMFS
- Research for all major NGOs, including the American Fisheries Society, RBFF, ASA, Ocean Conservancy, Trout Unlimited, Sierra Club, The Nature Conservancy, and more
- Research for industry leaders, such as Vista Outdoor (Bushnell, Primos, Federal Premium, etc.), Trijicon, Yamaha Boats, and more
- Data collection for the nation's top universities: Auburn University, Clemson University, Colorado State University, Duke University, Michigan State University, Penn State University, Rutgers University, Stanford University, Texas Tech, University of Florida, University of Southern California, Virginia Tech, Yale University, and many more



Project Examples

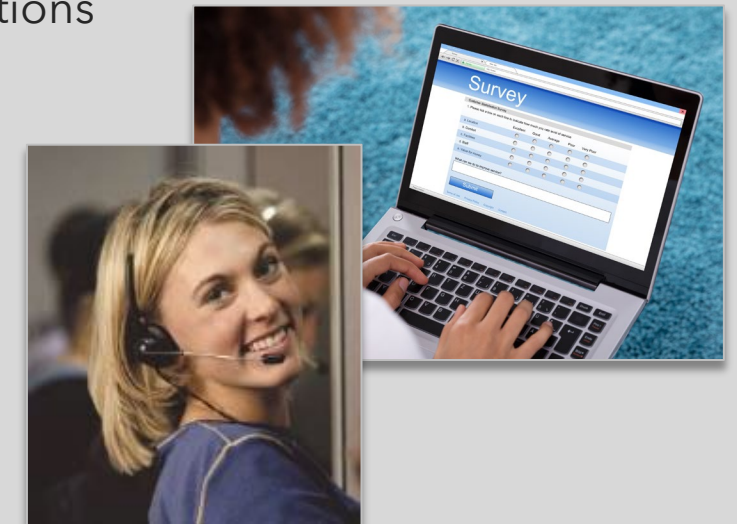
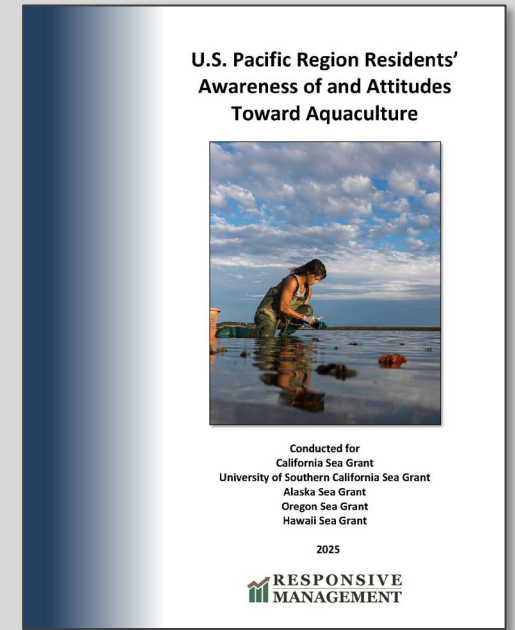
- ✓ *A Programmatic Evaluation of the Marine Mammal Health and Stranding Response Program Networks*
- ✓ *Panama City Residents', Visitors', and Business Operators' Attitudes Toward the Illegal Feeding and Harassment of Wild Dolphins*
- ✓ *Corpus Christi Residents', Visitors', and Business Operators' Attitudes Toward the Illegal Feeding and Harassment of Wild Dolphins*
- ✓ *Attitudes Toward the Protection of Wild Dolphins and Dolphin-Human Interactions—Focus Group Study*
- ✓ *South Florida Residents' Knowledge of, Attitudes Toward, and Perceptions of Coral Reef Management*
- ✓ *U.S. Virgin Islands Residents' Knowledge of, Attitudes Toward, and Perceptions of Coral Reef Management*
- ✓ *Public Survey on the National Hurricane Center's Arrival of Tropical-Storm-Force-Winds Product*
- ✓ *An Evaluation of the NOAA Coastal Services Center Coastal Resource Management Surveys*
- ✓ *NOAA Coastal Resource Management Customer Survey*
- ✓ *Effects of Delaware River Oil Spill on Waterfowl Hunter Behavior and Participation*
- ✓ *Manatee Education and Outreach Assessment*
- ✓ *Recreational Boaters and Derelict Commercial Fishing Gear*
- ✓ *Words Matter: Determining How to Engage the American Public Through the Language of Conservation*
- ✓ *National Invasive Species Outreach Campaign Assessment*
- ✓ *Southeast Florida and South Carolina Anglers' Release Practices and Their Attitudes Toward Descending Devices*
- ✓ *Florida Anglers' Attitudes Toward Fishing Issues and the Florida Fish and Wildlife Conservation Commission*



Study Methodology

Study Methodology

- Study conducted to address key gaps in aquaculture literacy by systematically evaluating understanding and perspectives of aquaculture in Alaska, Oregon, California, and Hawaii
- Overall project entailed a scientific, multimodal survey of adult residents in Alaska and Hawaii and of adult coastal residents in California and Oregon
- Survey developed cooperatively by California Sea Grant, University of Southern California Sea Grant, Alaska Sea Grant, Oregon Sea Grant, Hawaii Sea Grant, the California Aquaculture Association, and Responsive Management
- Survey questionnaire included both common core and state-specific questions
- Institutional Review Board (IRB) approval obtained from each state
- Three-pronged contact method (phone, text, and online) and multimodal data collection approach (phone and online)
- All respondents at least 18 years old and resident of the state
- Survey fielded August - October 2025



Oregon Sampling Plan:

- General population, 18 or older
- Sampled coastal counties only
- 12 counties identified as coastal watershed counties by NOAA
- No stratification

	Survey sample	Survey population	Sampling error (%)
Alaska	844	555,513	3.37
Oregon	839	1,764,834	3.38
California	953	26,464,726	3.17
Hawaii	843	1,144,163	3.37



Oregon coastal counties
Benton
Clackamas
Clatsop
Columbia
Coos
Curry
Douglas
Josephine
Lane
Lincoln
Multnomah
Tillamook

Survey Topics

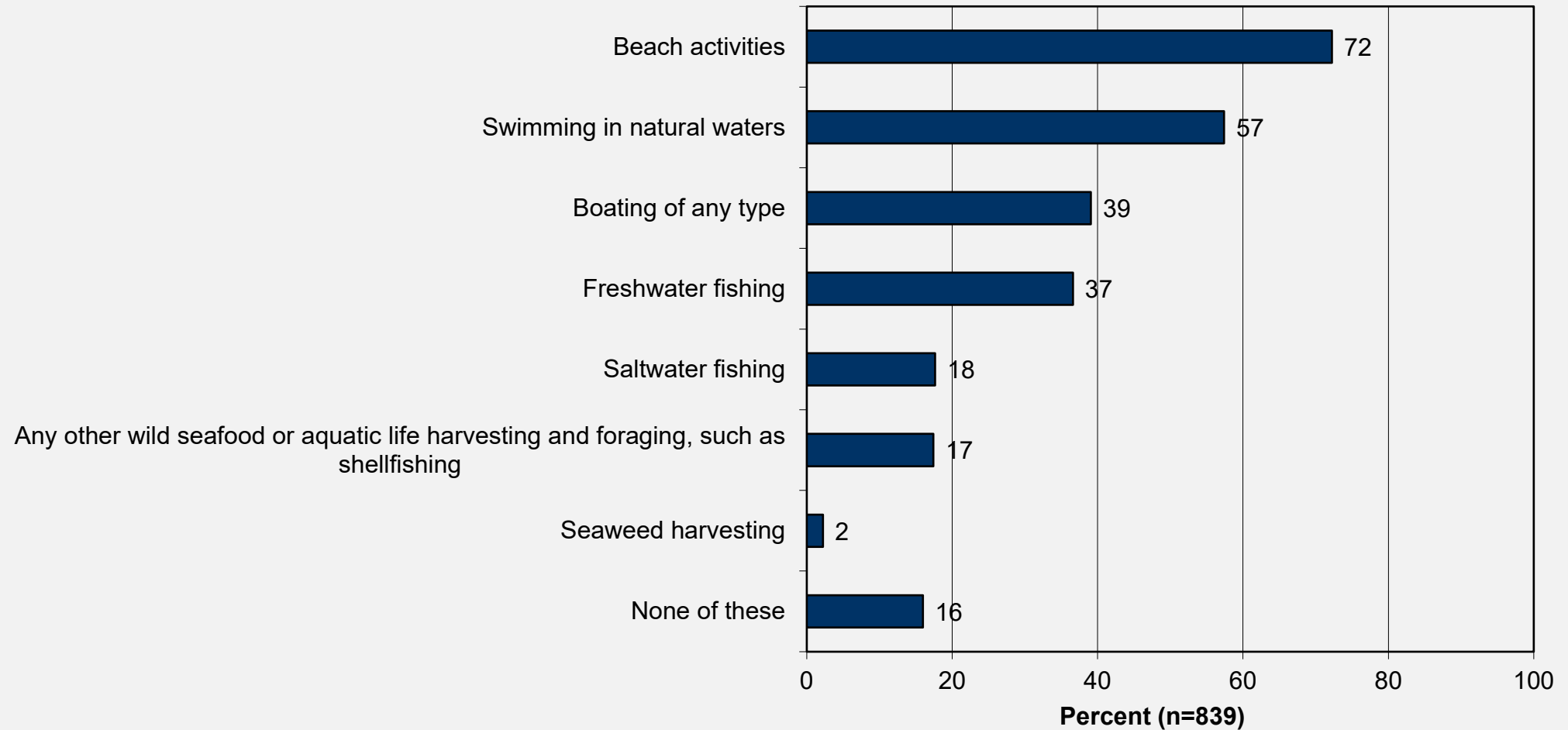


- ✓ Water-Related Activities and Consumption of Seafood
- ✓ Awareness of Aquaculture
- ✓ Awareness of and Willingness to Consume Farm-Raised Seafood
- ✓ Attitudes Toward Aquaculture
- ✓ Knowledge of Aquaculture
- ✓ Factors Important to Food Purchasing Decisions
- ✓ Sources of Information
- ✓ Demographic Characteristics of Respondents

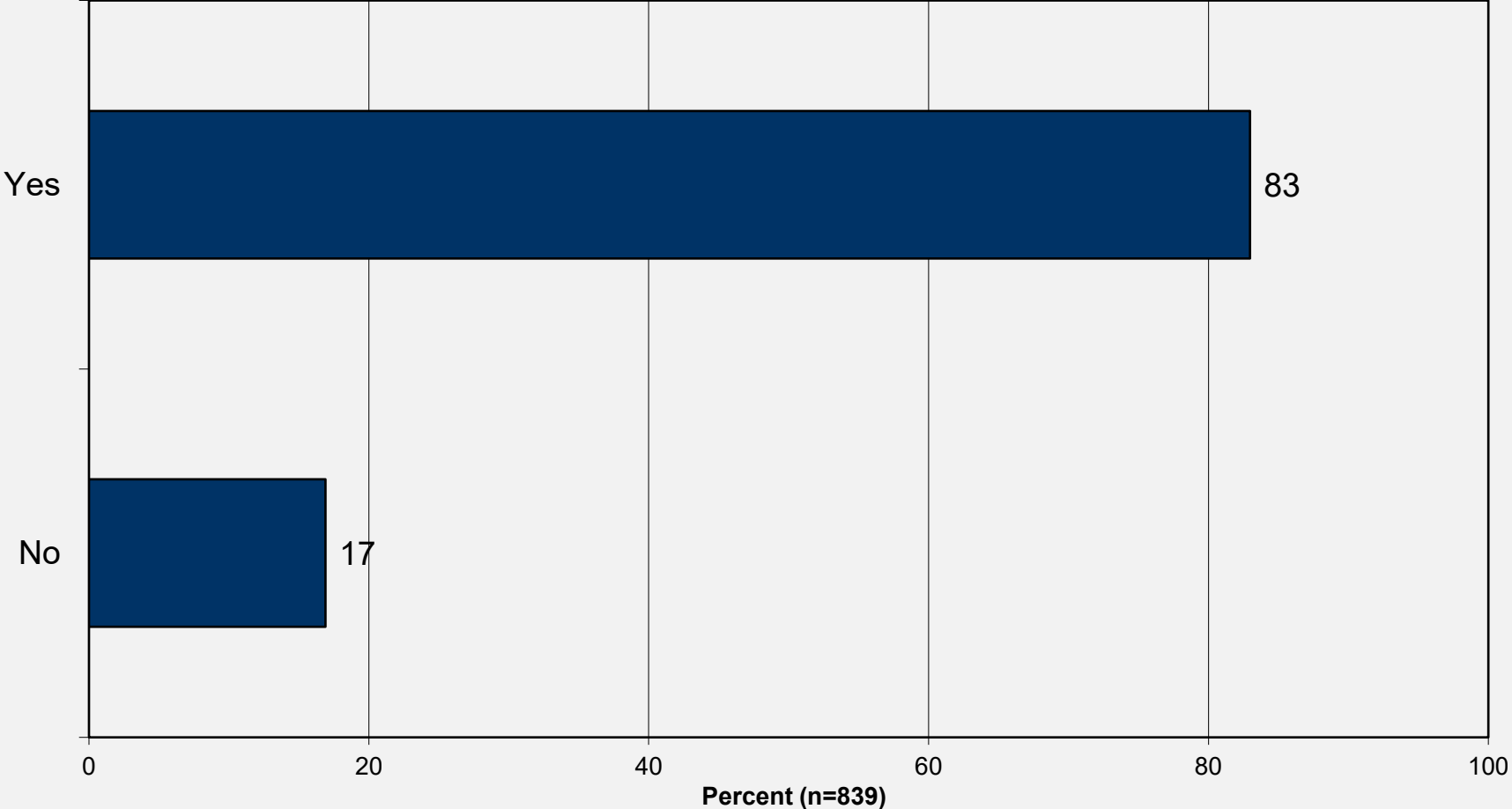
Water-Related Activities and Consumption of Seafood

**In the last 5 years, have you participated in any of the following activities for any purpose, including for recreation, food, other personal use, or commercial purposes?
(Oregon)**

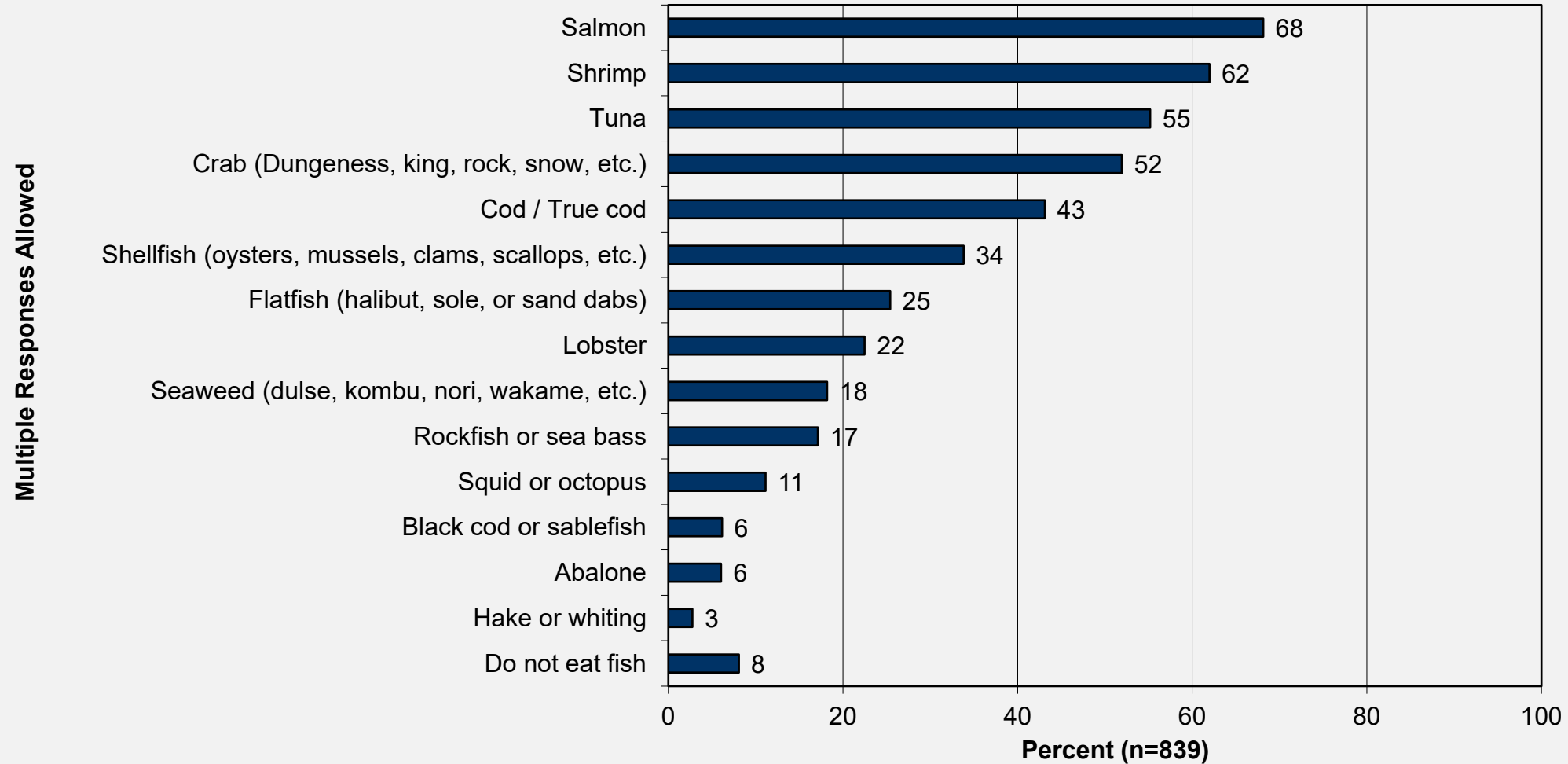
Multiple Responses Allowed



**Have you eaten any fish, shellfish, seaweed, or other seafood in the past 12 months?
This includes freshwater and saltwater species. (Oregon)**

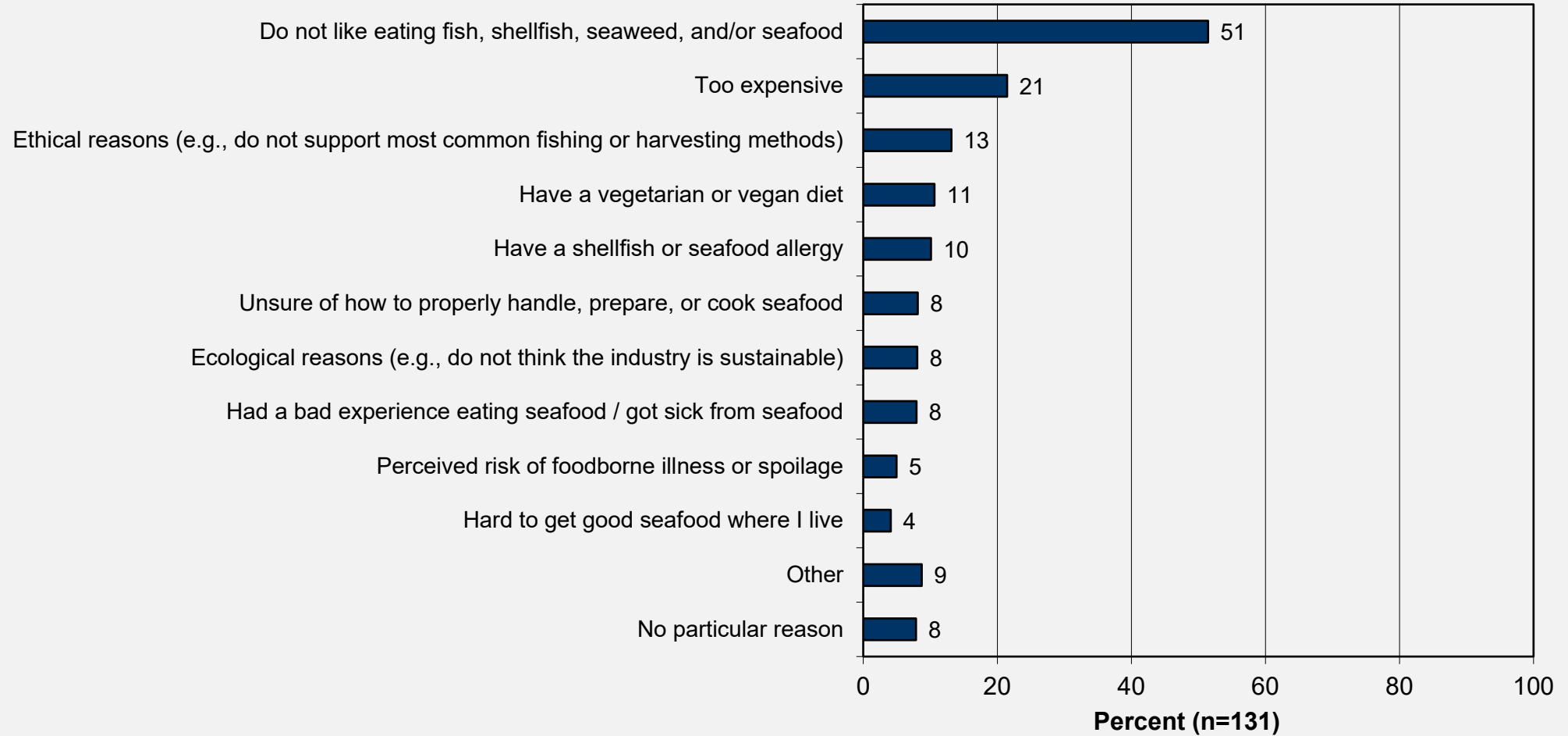


When you do eat fish, shellfish, seaweed, or seafood, what types do you typically eat? (Oregon)



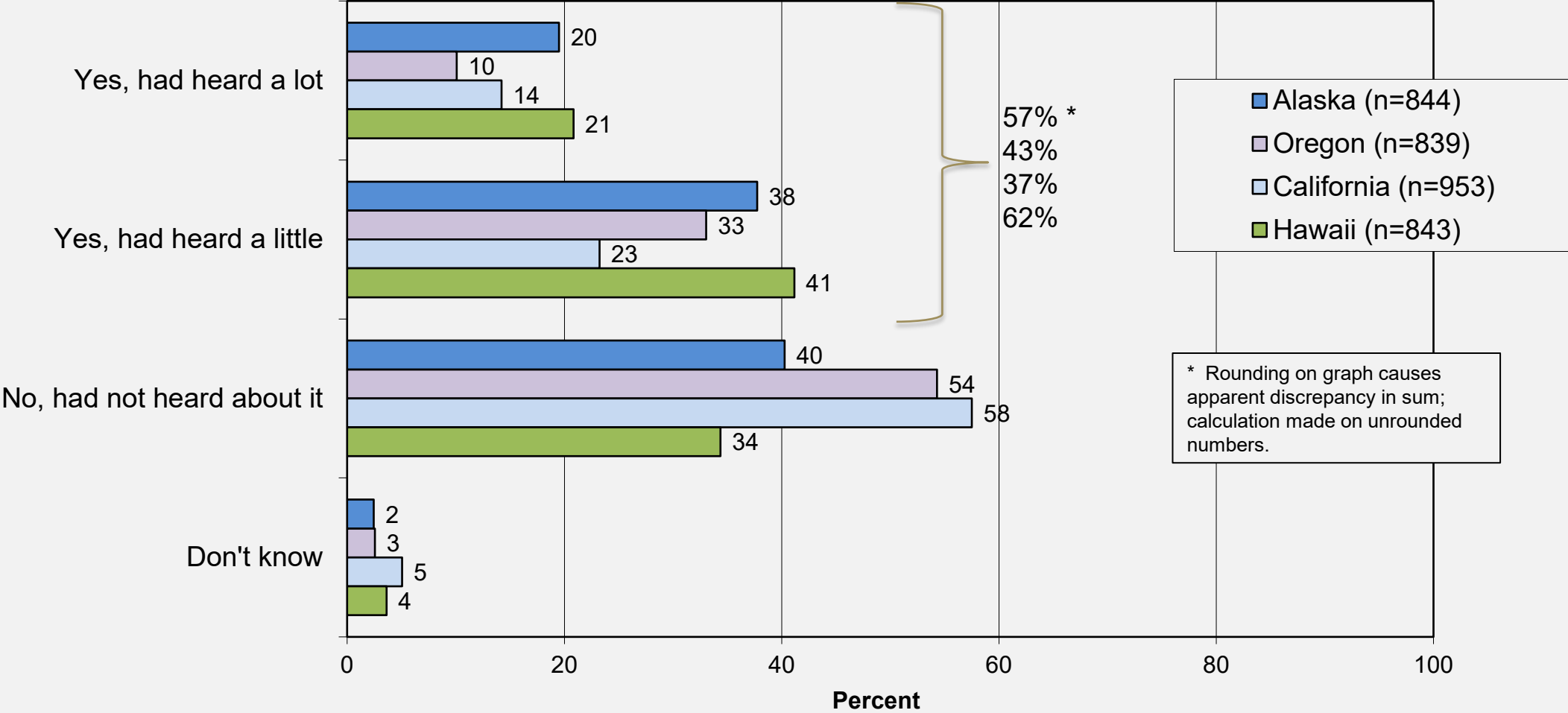
Which of the following are reasons that you do not typically eat fish, shellfish, seaweed, or seafood, or do not eat it more often? (Asked of those who never eat seafood or who eat seafood once a year or less.) (Oregon)

Multiple Responses Allowed

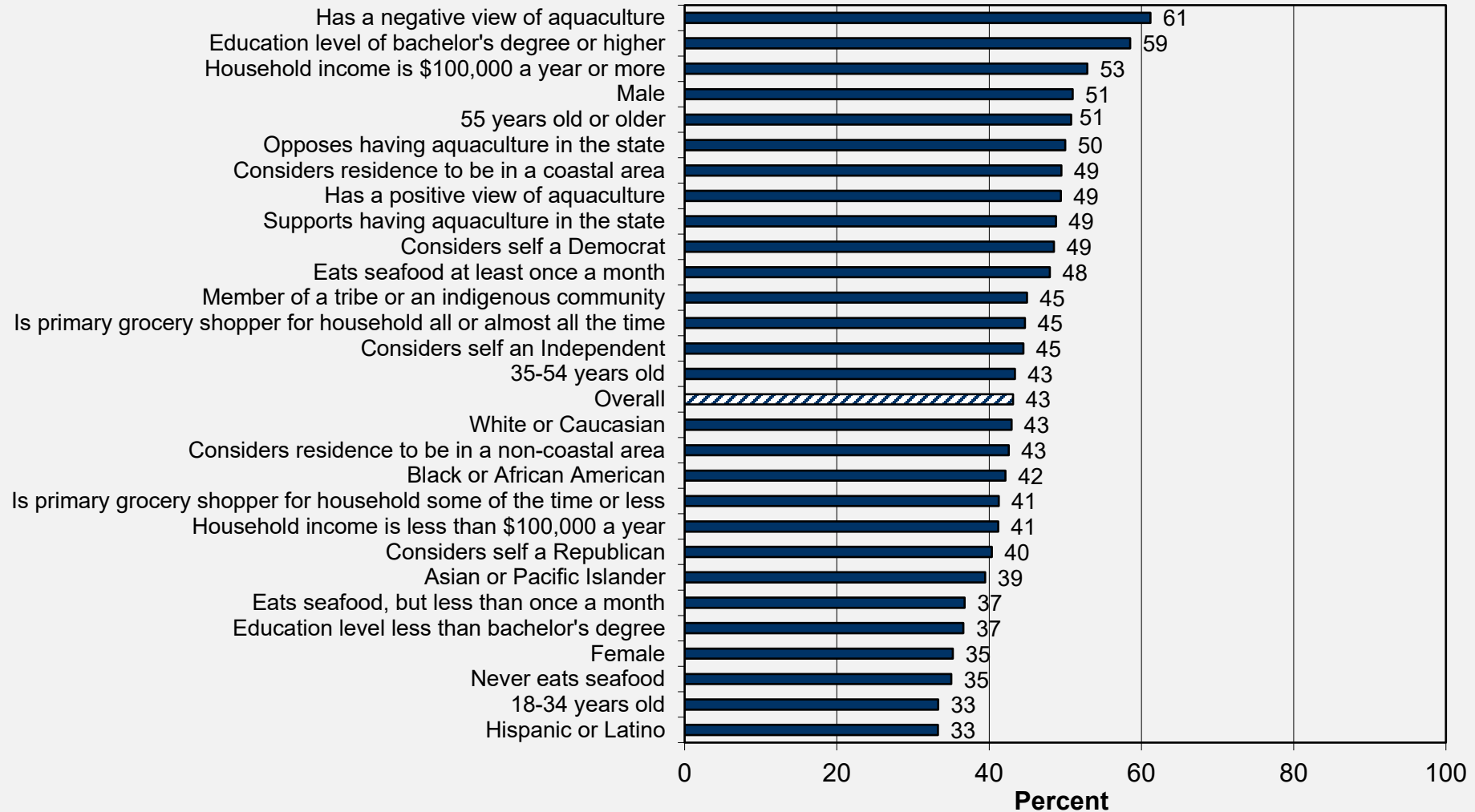


Awareness of Aquaculture

Prior to this survey, had you heard anything about aquaculture?

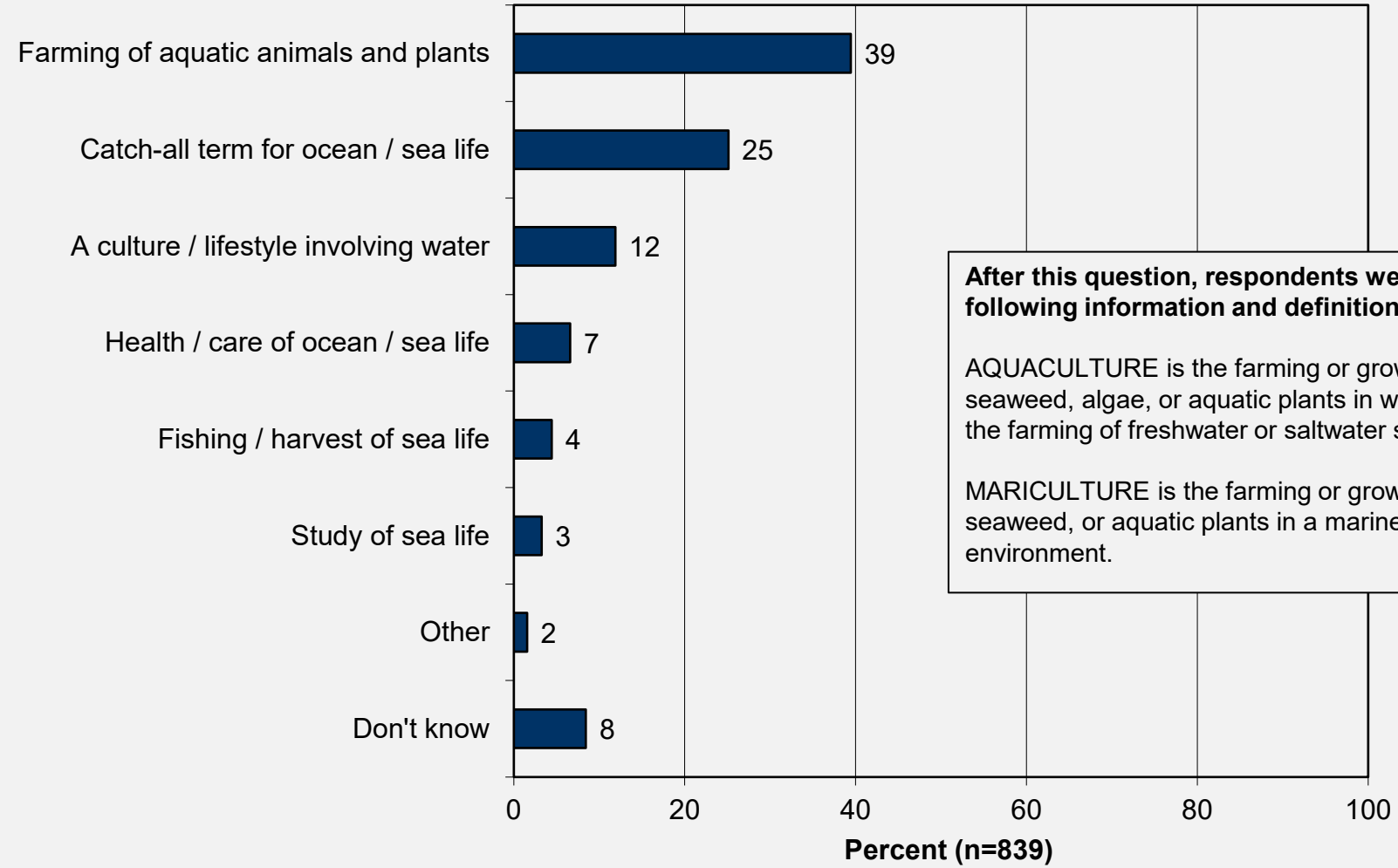


Percent of the following groups who had heard of aquaculture prior to the survey: (Oregon)



In a few words, what would you say the term aquaculture refers to? (Oregon)

Multiple Responses Allowed



After this question, respondents were provided with the following information and definitions:

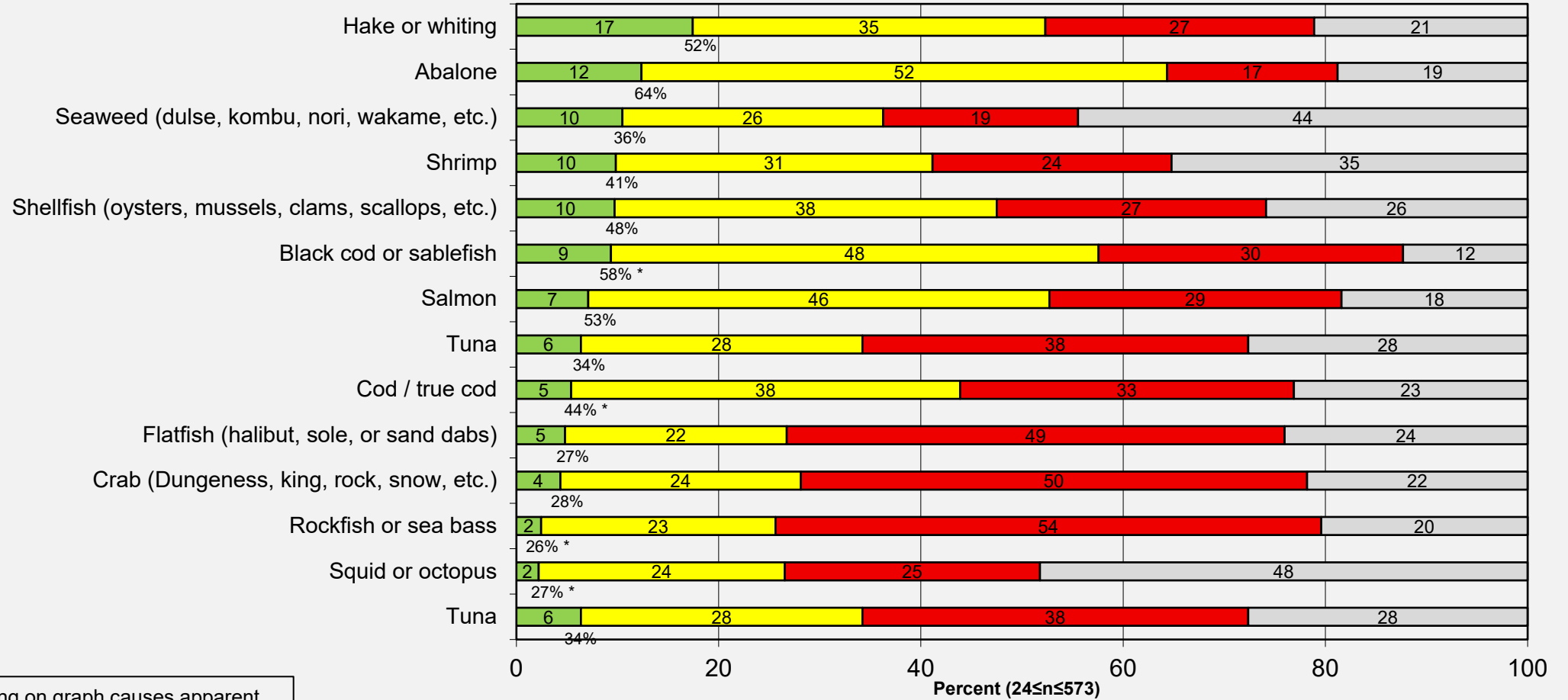
AQUACULTURE is the farming or growing of fish, shellfish, seaweed, algae, or aquatic plants in water. This can include the farming of freshwater or saltwater species.

MARICULTURE is the farming or growing of fish, shellfish, seaweed, or aquatic plants in a marine or saltwater environment.

Awareness of and Willingness to Consume Farm-Raised Seafood

For each of the types of seafood you eat, please indicate how much of what you eat typically is farm raised: (Asked of those who typically eat the type of seafood.) (Oregon)

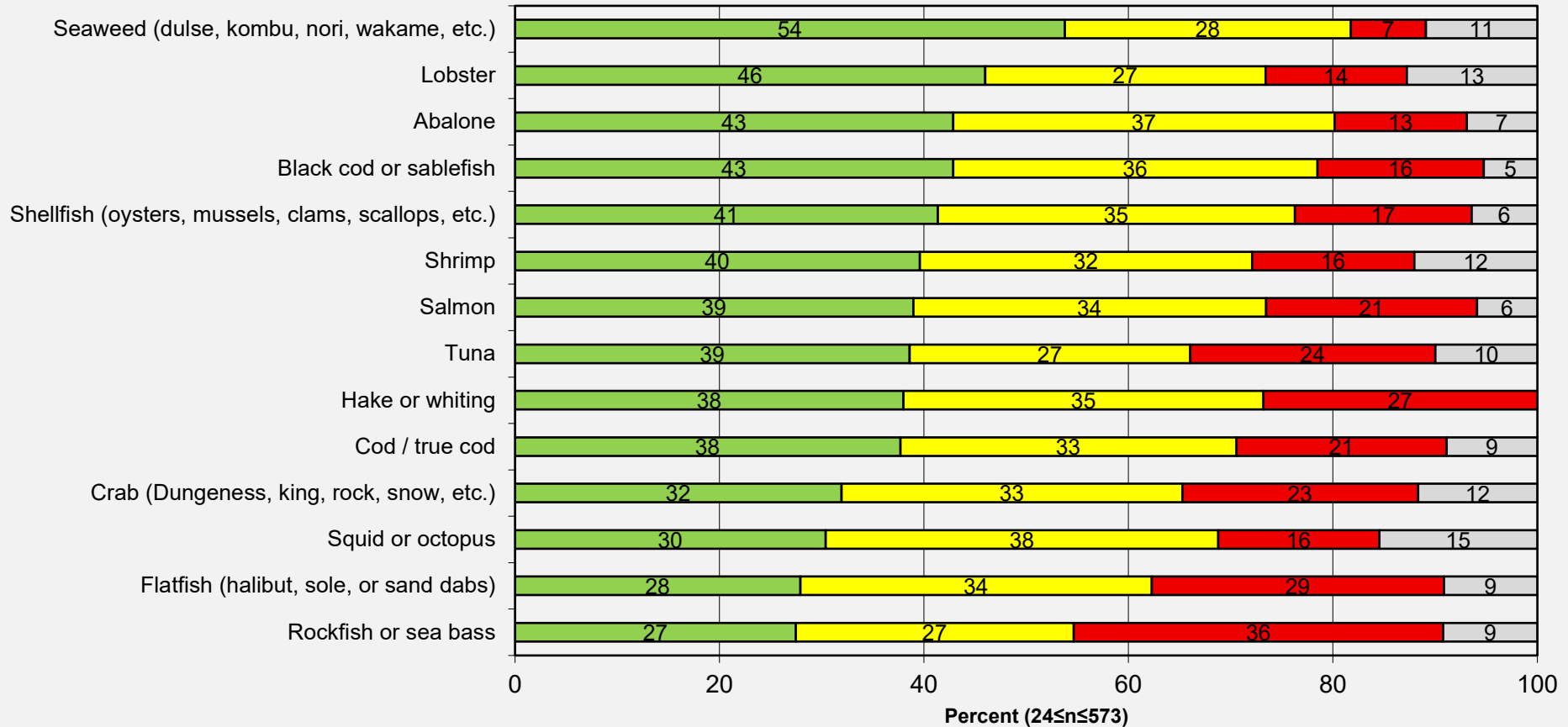
■ All of it
 ■ Some of it
 ■ None of it
 ■ Don't know



* Rounding on graph causes apparent discrepancy in sum; calculation made on unrounded numbers.

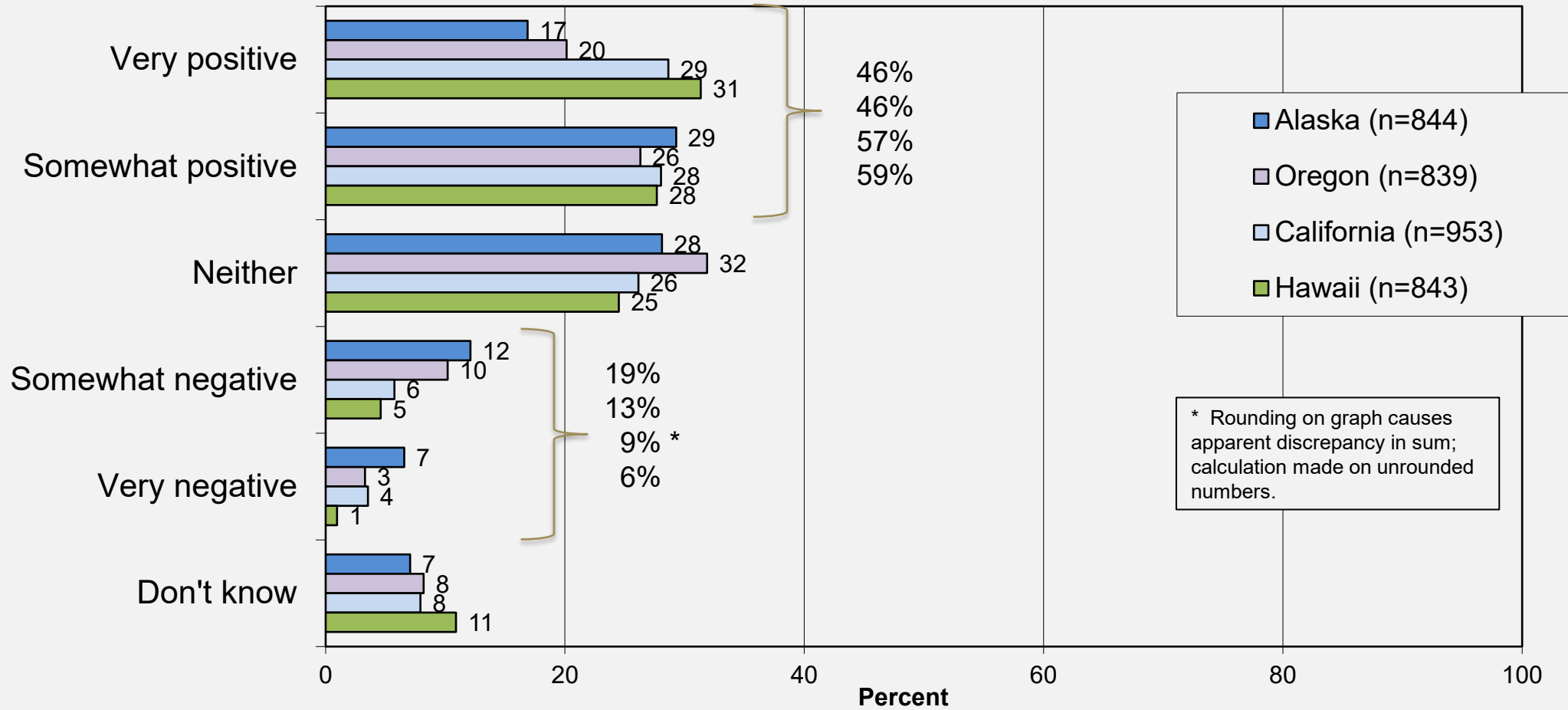
**For each of the types of seafood you eat, please indicate how willing you would be to eat the species if it were farm raised: (Asked of those who typically eat the type of seafood.)
(Oregon)**

■ Very willing
 ■ Somewhat willing
 ■ Not at all willing
 ■ Don't know / No opinion

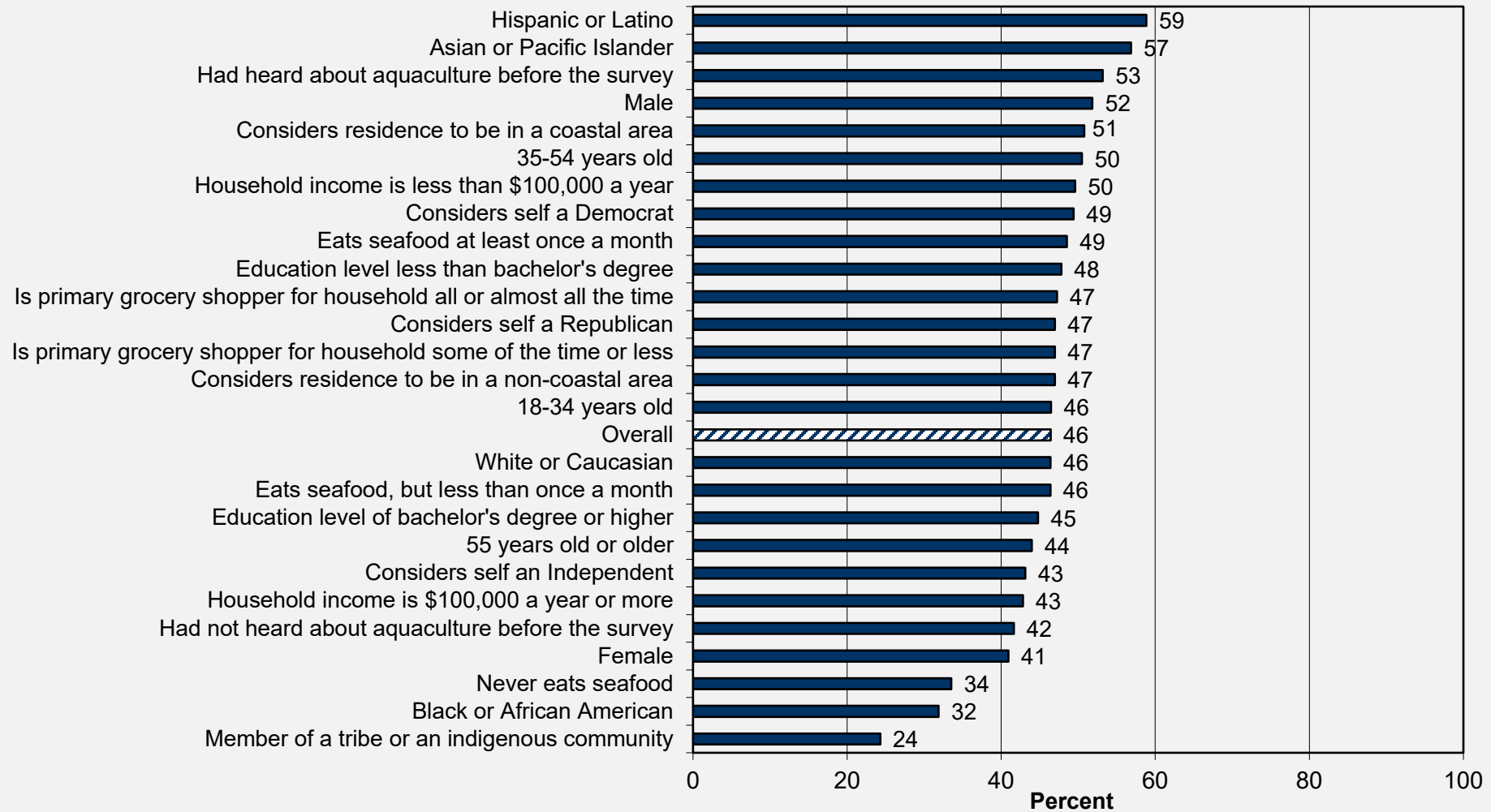


Attitudes Toward Aquaculture

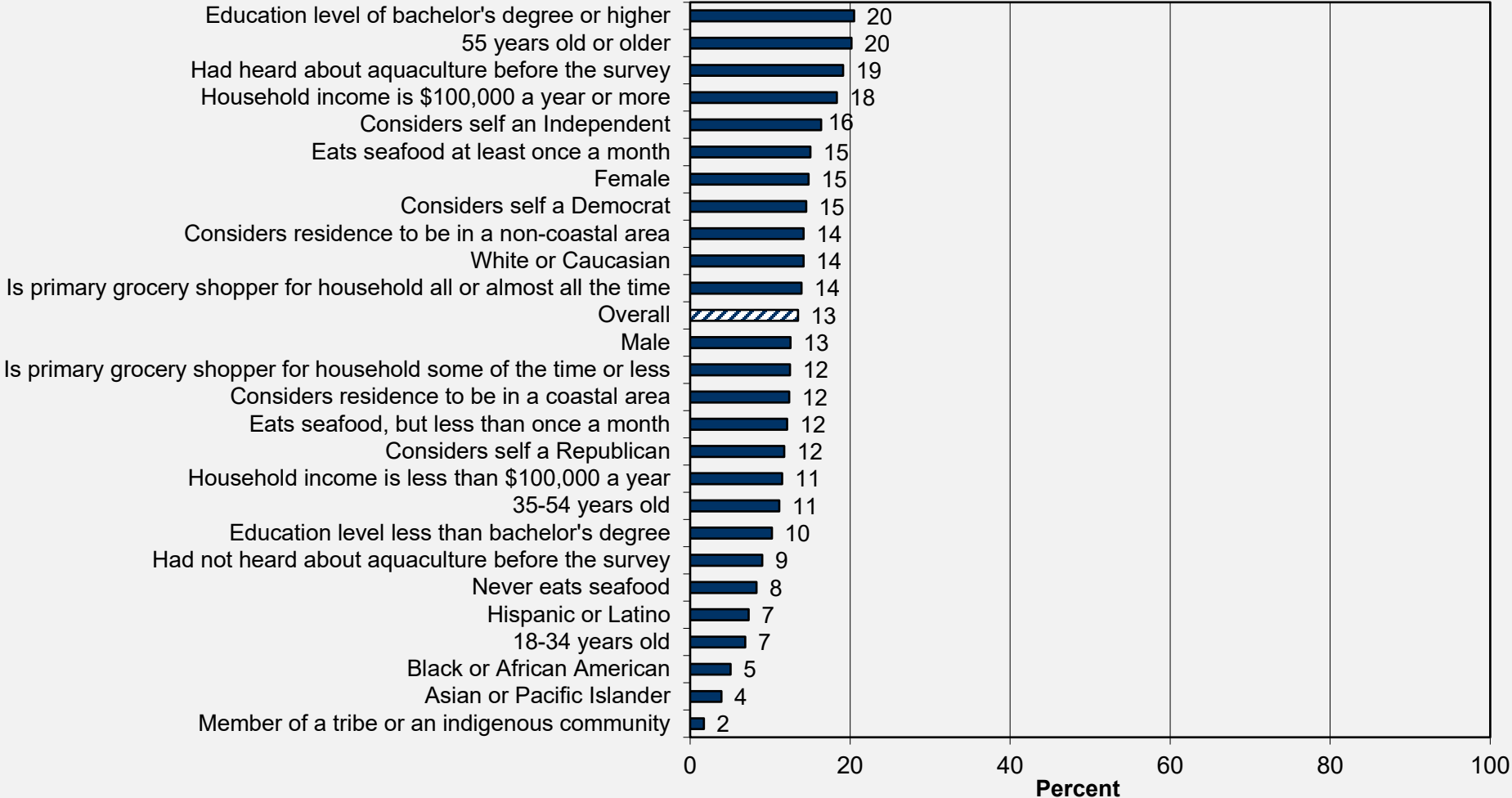
In general, how positive or negative is your view of aquaculture?



Percent of the following groups who have a very or somewhat positive view of aquaculture: (Oregon)



Percent of the following groups who have a very or somewhat negative view of aquaculture: (Oregon)

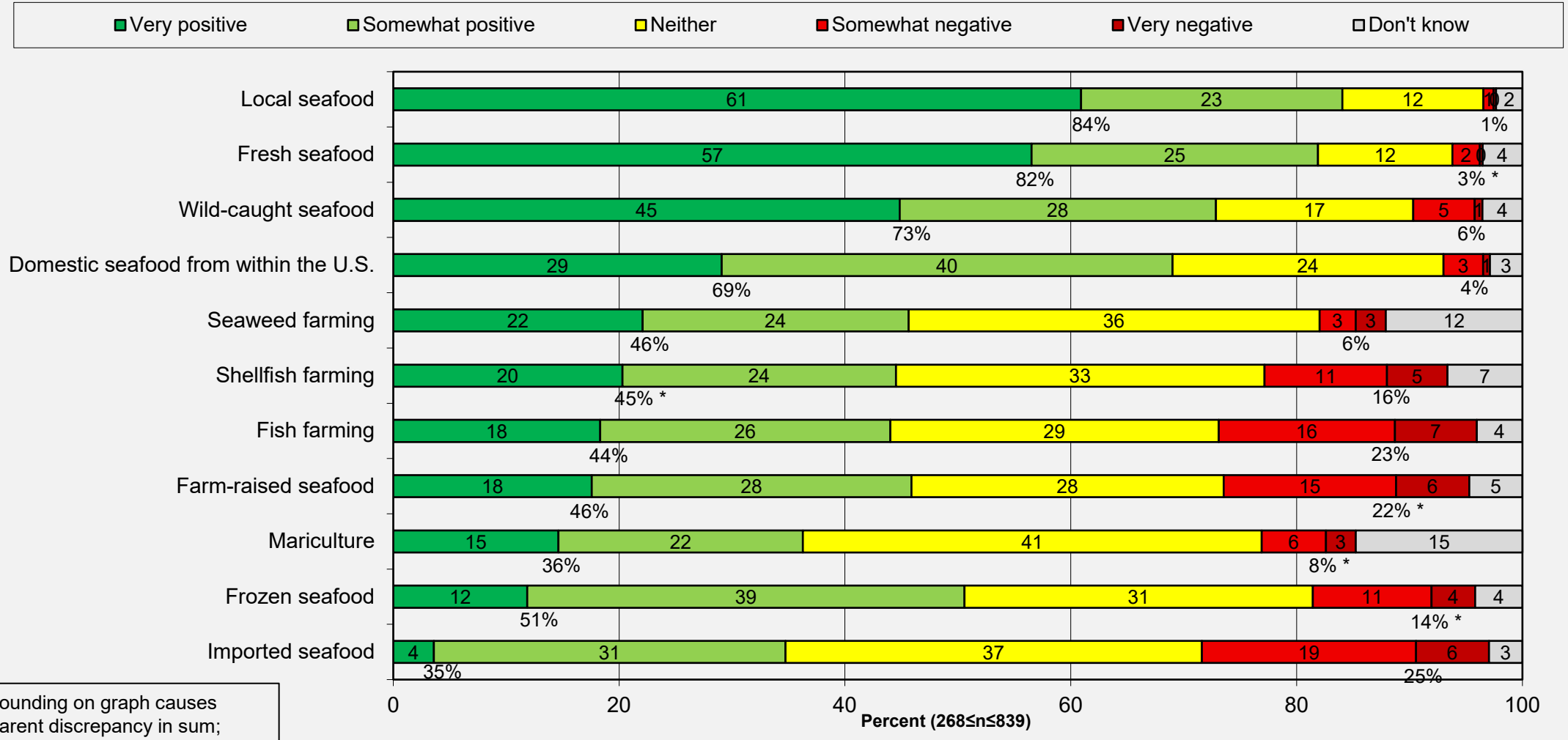


Major Reasons for Negative Views of Aquaculture:

- Concern about environmental consequences
- Concern about poor conditions for fish
- Aquaculture fish perceived as lower quality
- Aquaculture fish perceived as not tasting as good

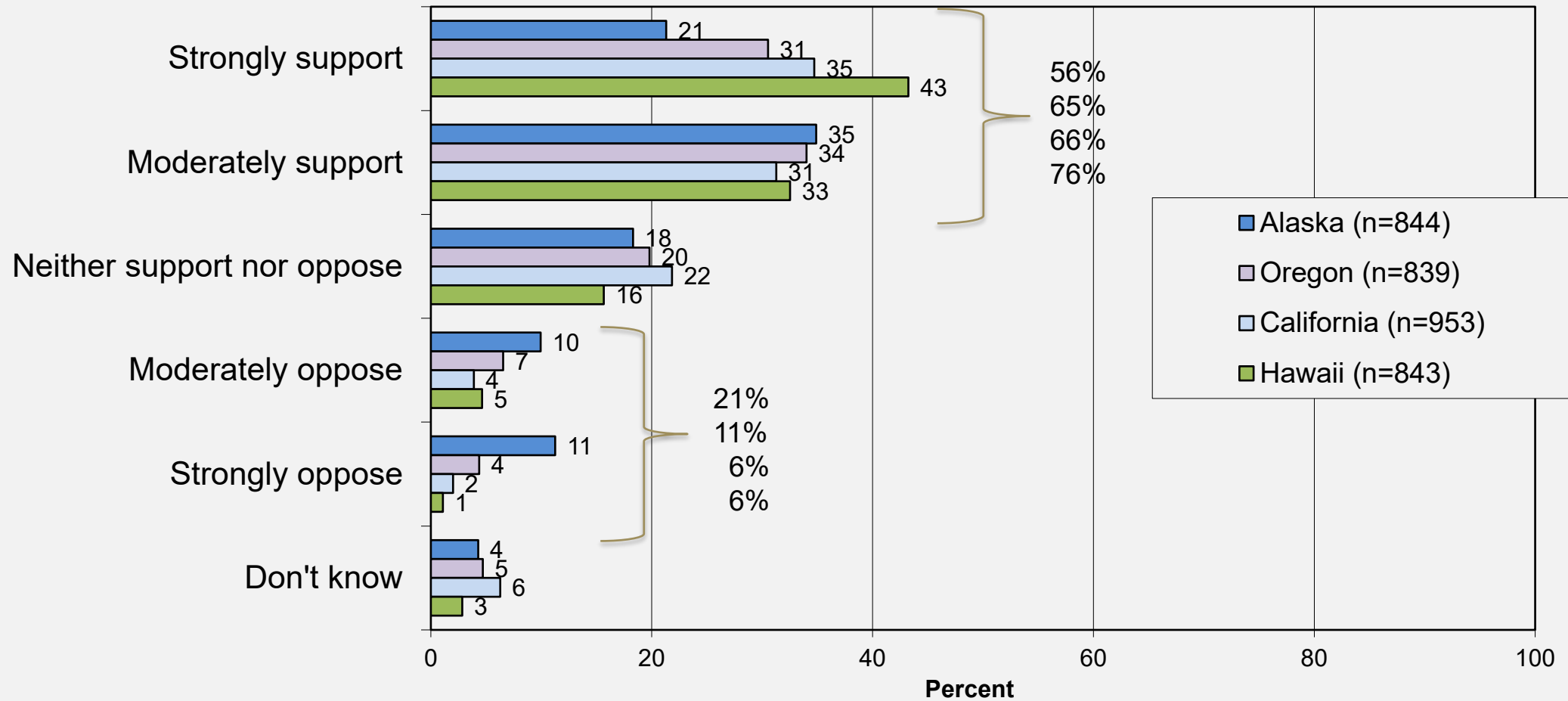


Based on what you have heard or seen prior to this survey, for each one please tell me if you have a negative or positive view of it, or if you are neutral. (Oregon)

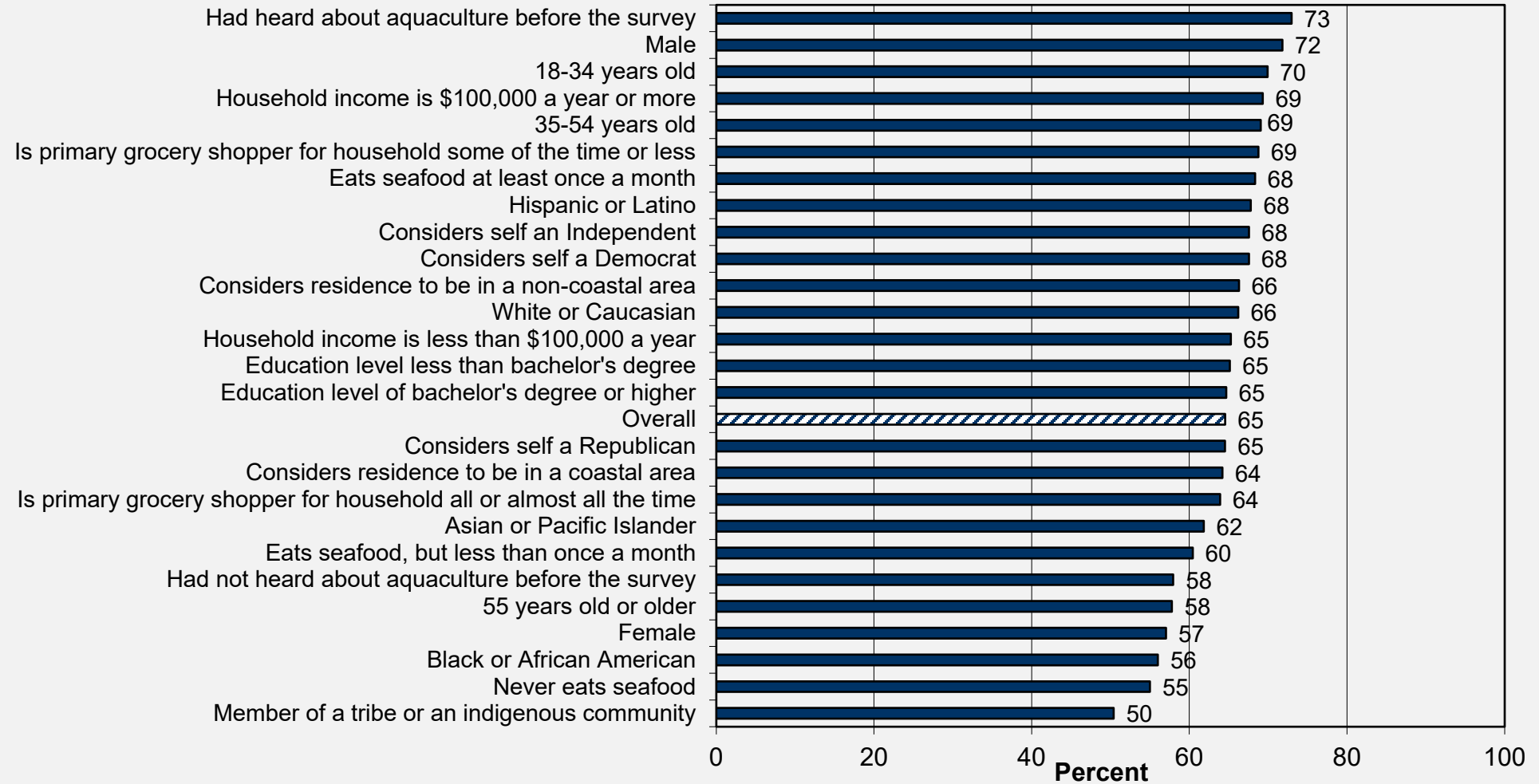


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In general, do you support or oppose having aquaculture in your state?

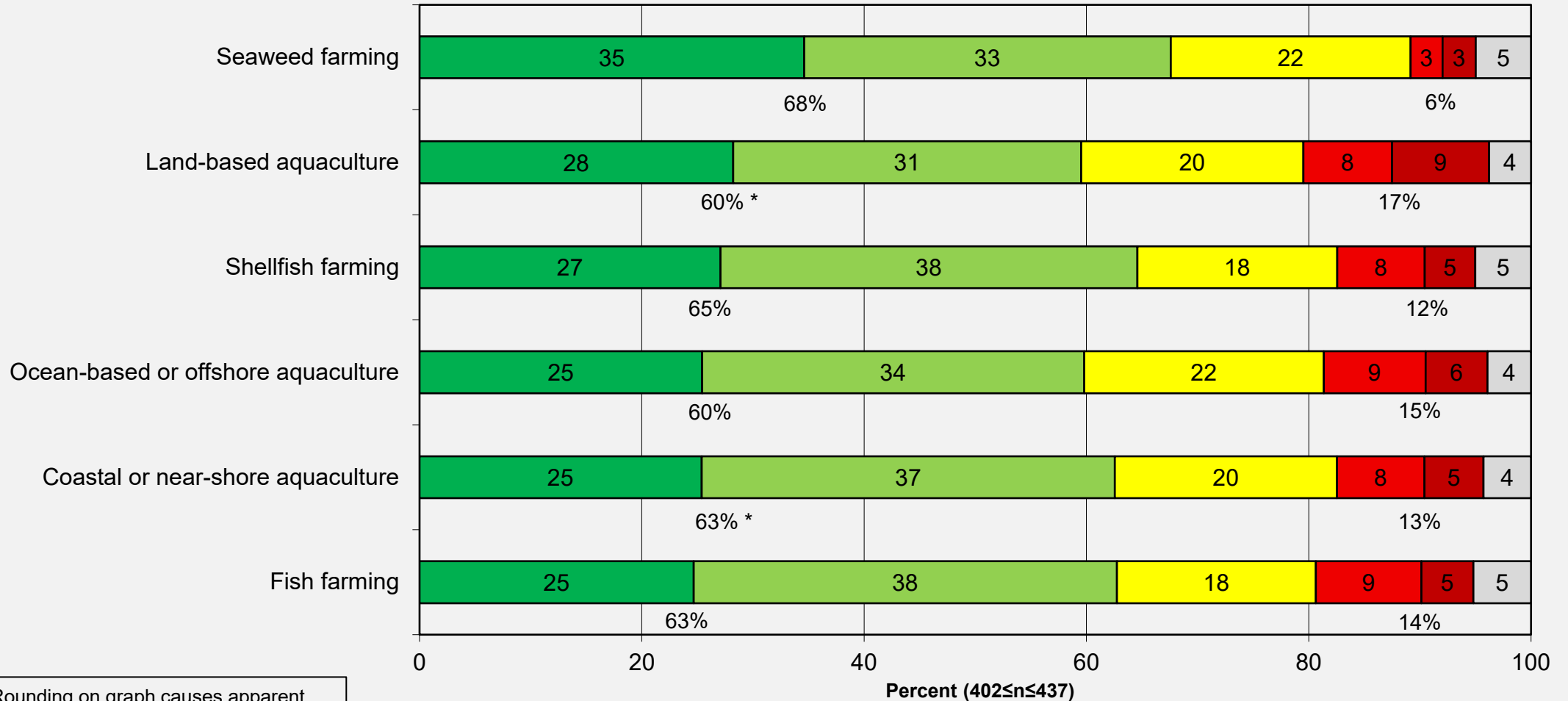


Percent of the following groups who strongly or moderately support having aquaculture in Oregon:



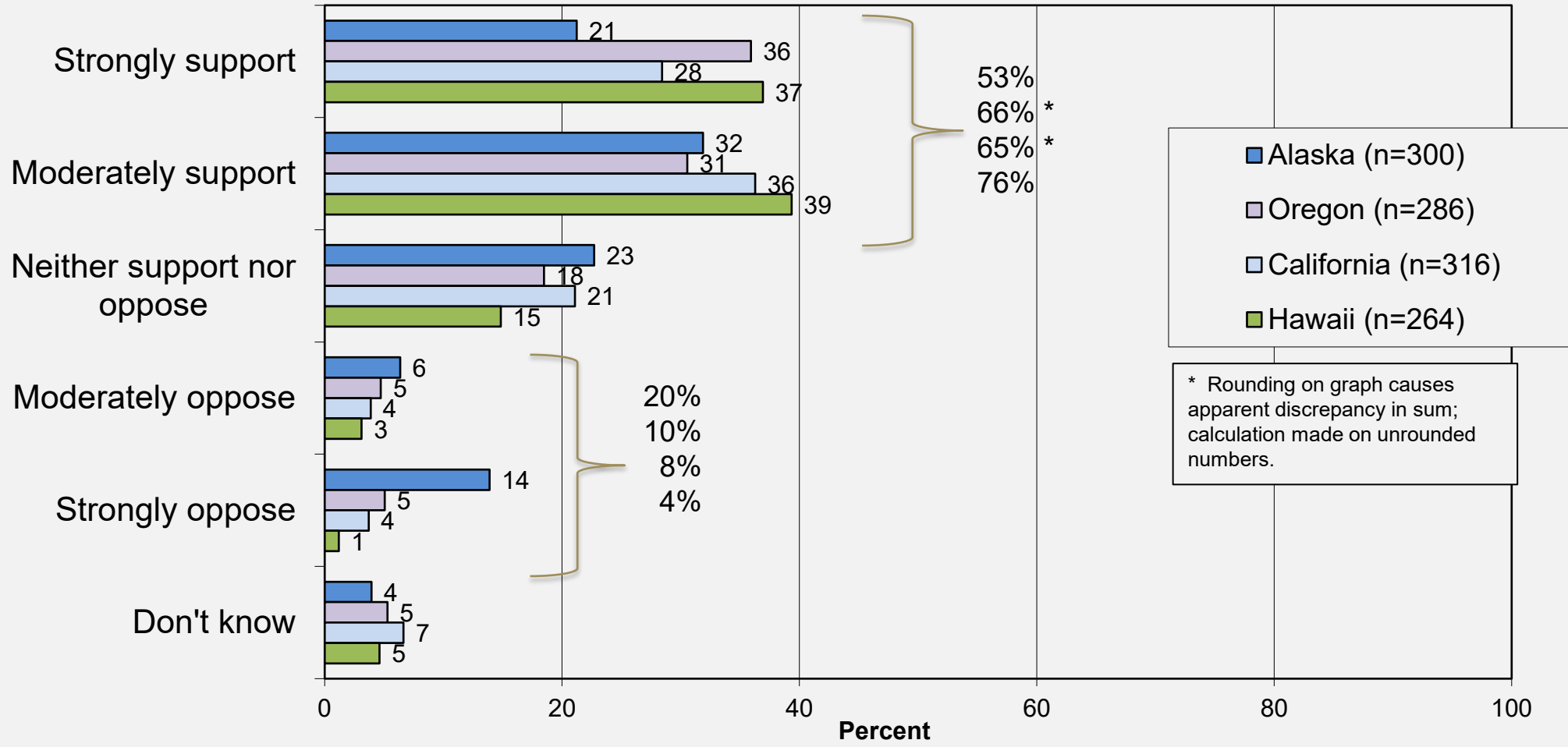
Please tell me to what extent you support or oppose each of the following: (Oregon)

■ Strongly support
 ■ Moderately support
 ■ Neither
 ■ Moderately oppose
 ■ Strongly oppose
 ■ Don't know

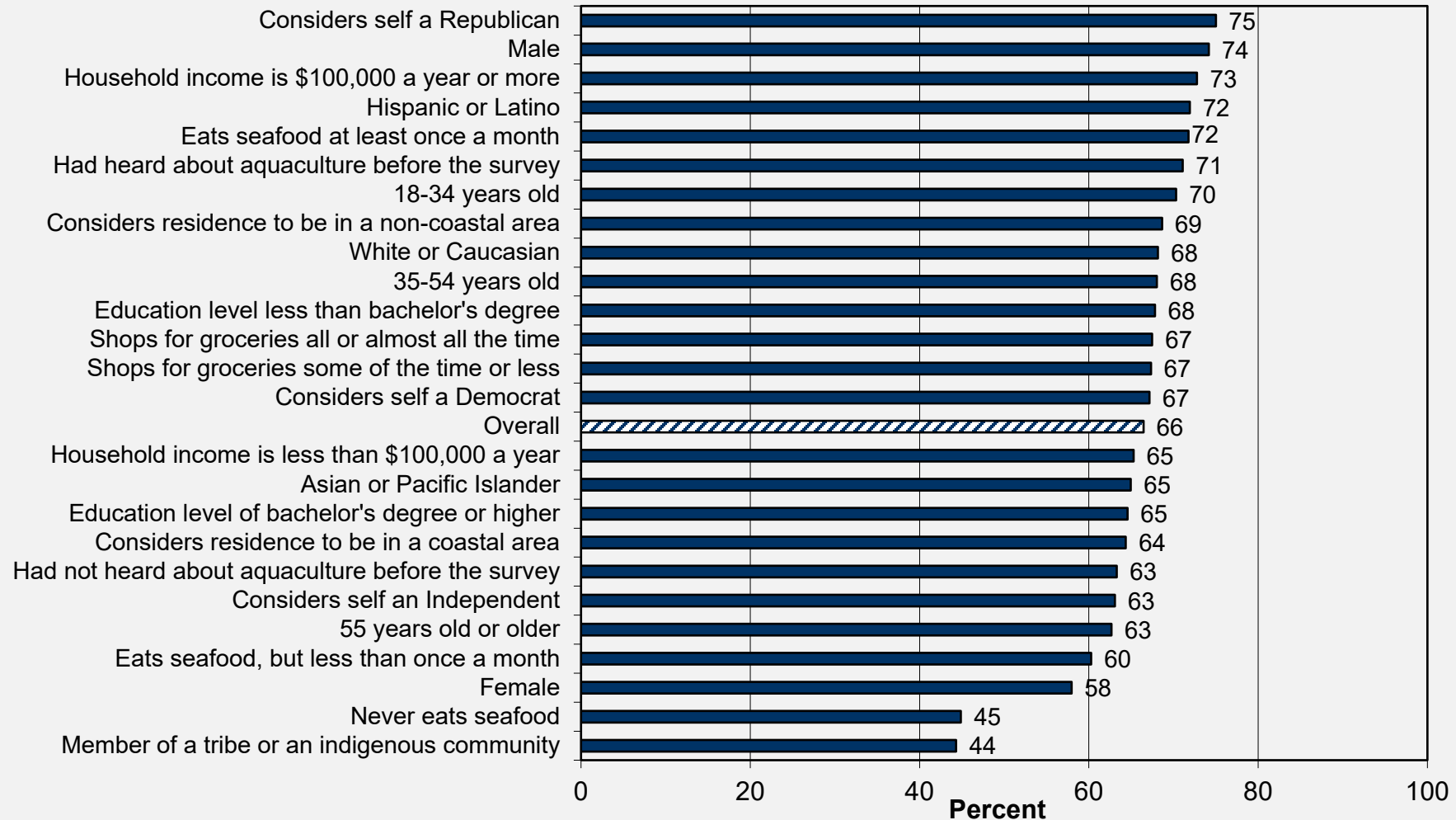


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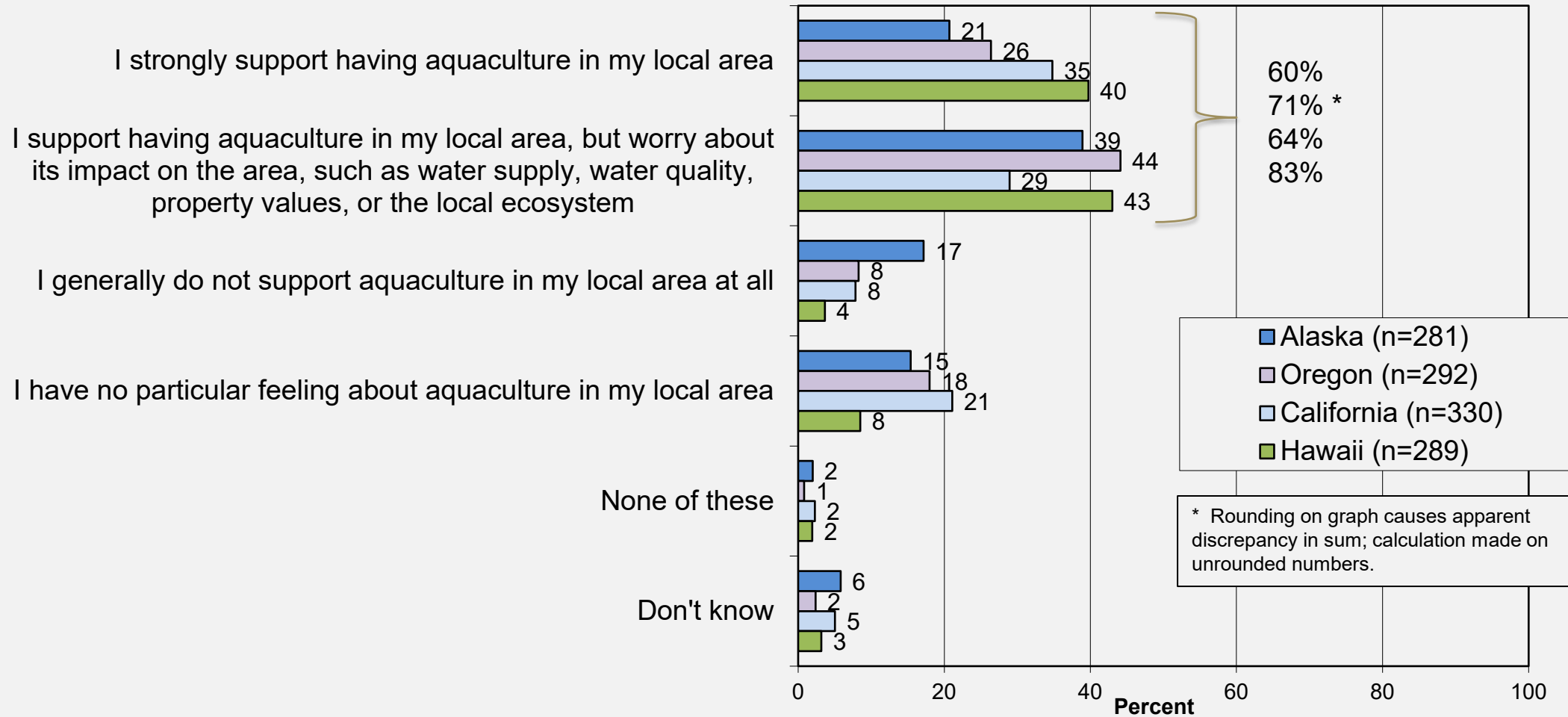
In general, do you support or oppose having some type of aquaculture in your local area?



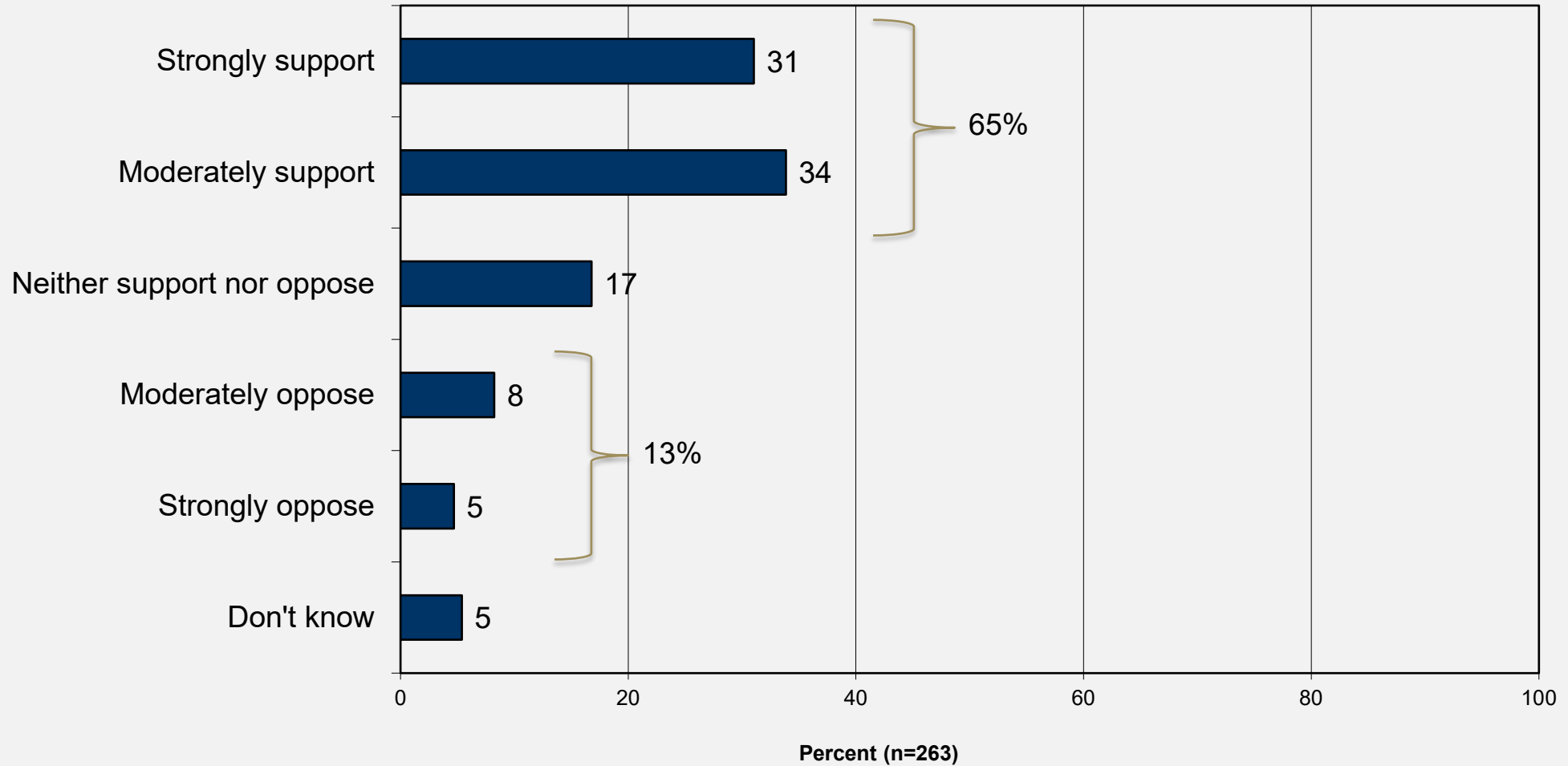
Percent of the following groups who strongly or moderately support having some type of aquaculture in their local area: (Oregon)



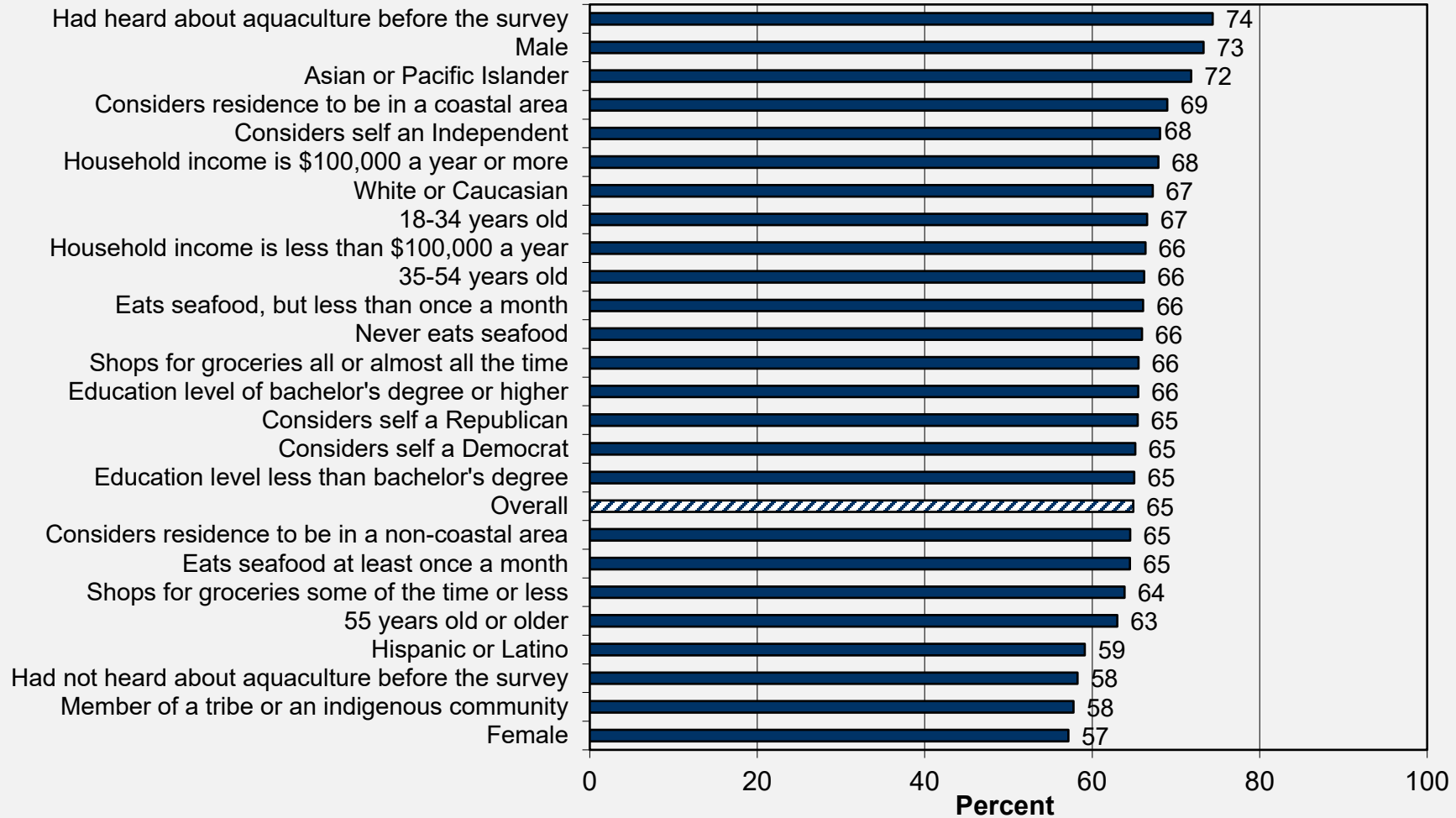
Generally, which of the following statements best describes your feelings about having some type of aquaculture in your local area?



Would you support or oppose policies that sustainably expand aquaculture in Oregon?



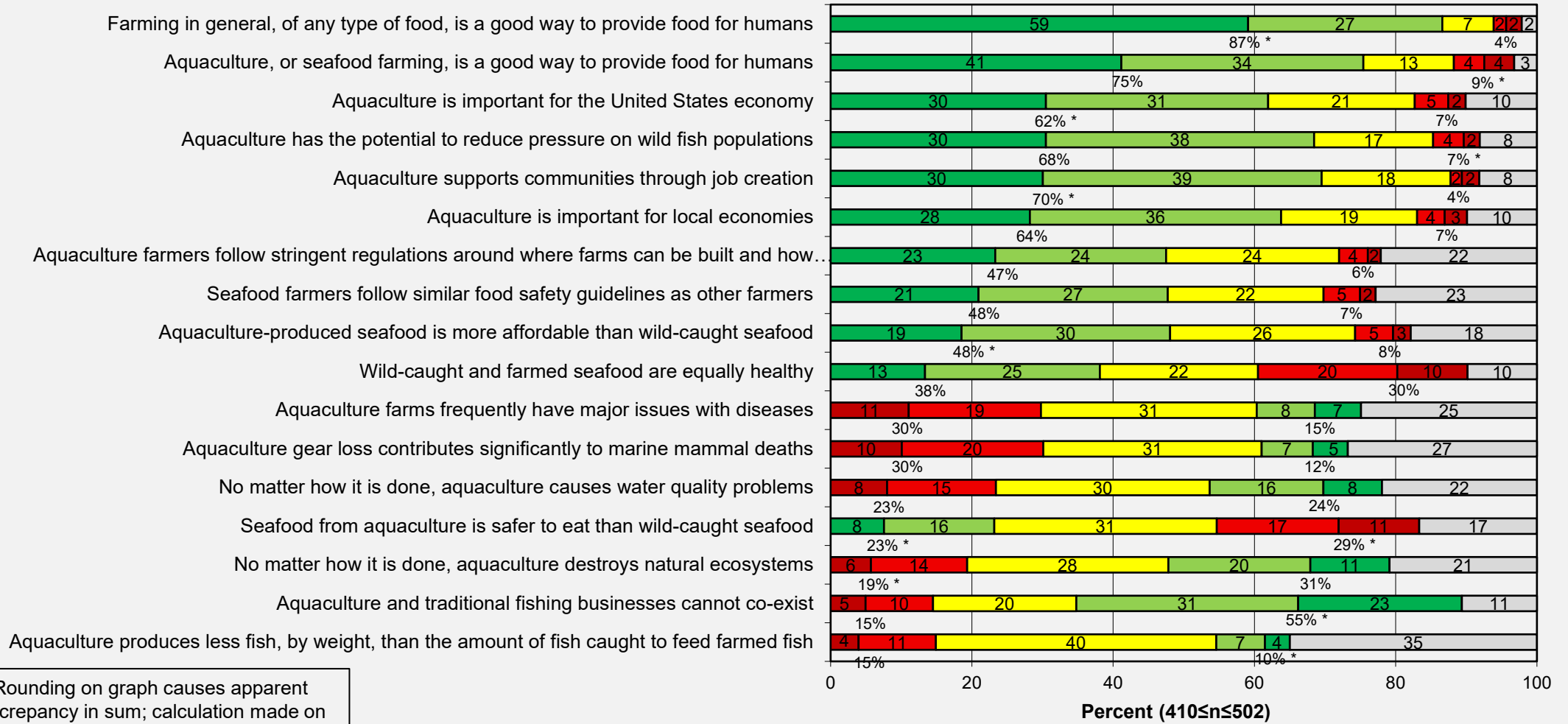
Percent of the following groups who strongly or moderately support policies that sustainably expand aquaculture in Oregon:



Knowledge of Aquaculture

Next, please tell me if you agree or disagree with each of the following statements: (Oregon)

■ Strongly agree
 ■ Moderately agree
 ■ Neither
 ■ Moderately disagree
 ■ Strongly disagree
 ■ Don't know

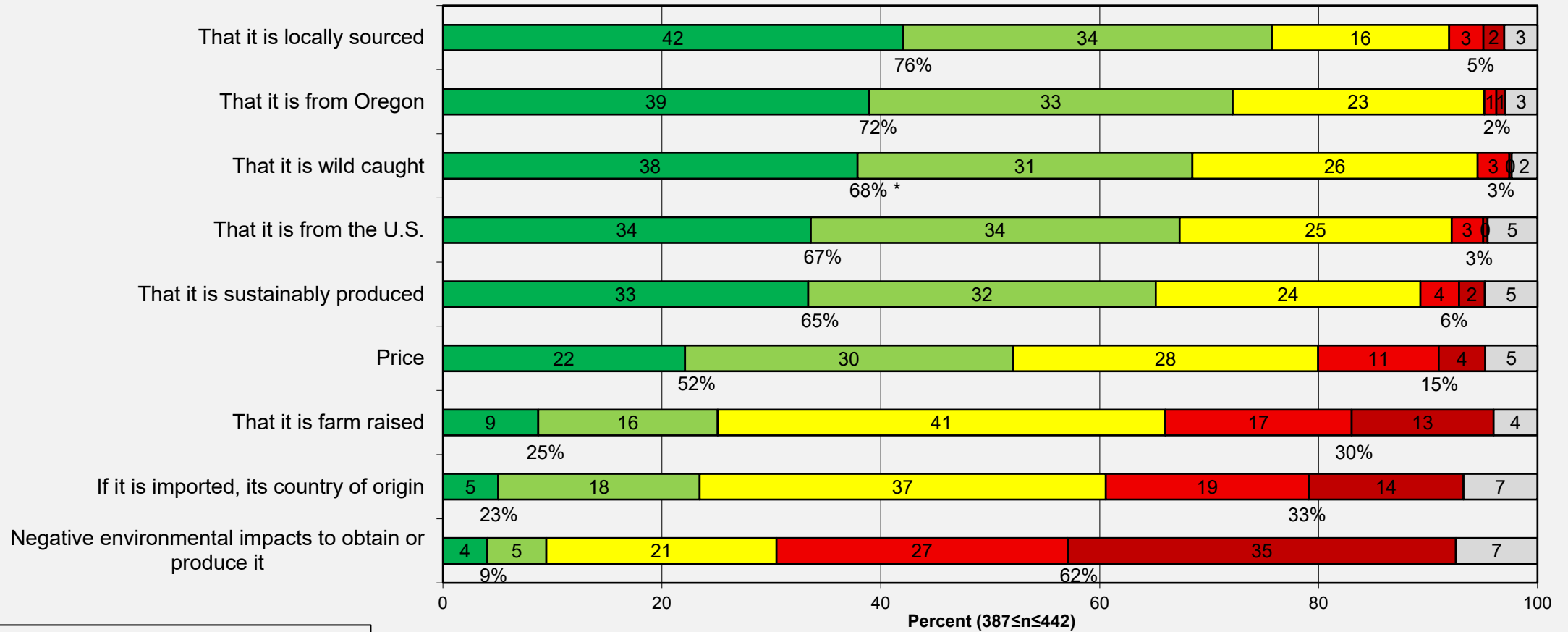


* Rounding on graph causes apparent discrepancy in sum; calculation made on unrounded numbers.

Factors Important to Food Purchasing Decisions

**For each of the following, please indicate if it makes you more or less likely to purchase seafood.
(Asked of those who eat seafood at least once a year, have in the past 12 months, or do not know how often.) (Oregon)**

■ Much more likely
 ■ Somewhat more likely
 ■ Neither more nor less
 ■ Somewhat less likely
 ■ Much less likely
 ■ Don't know

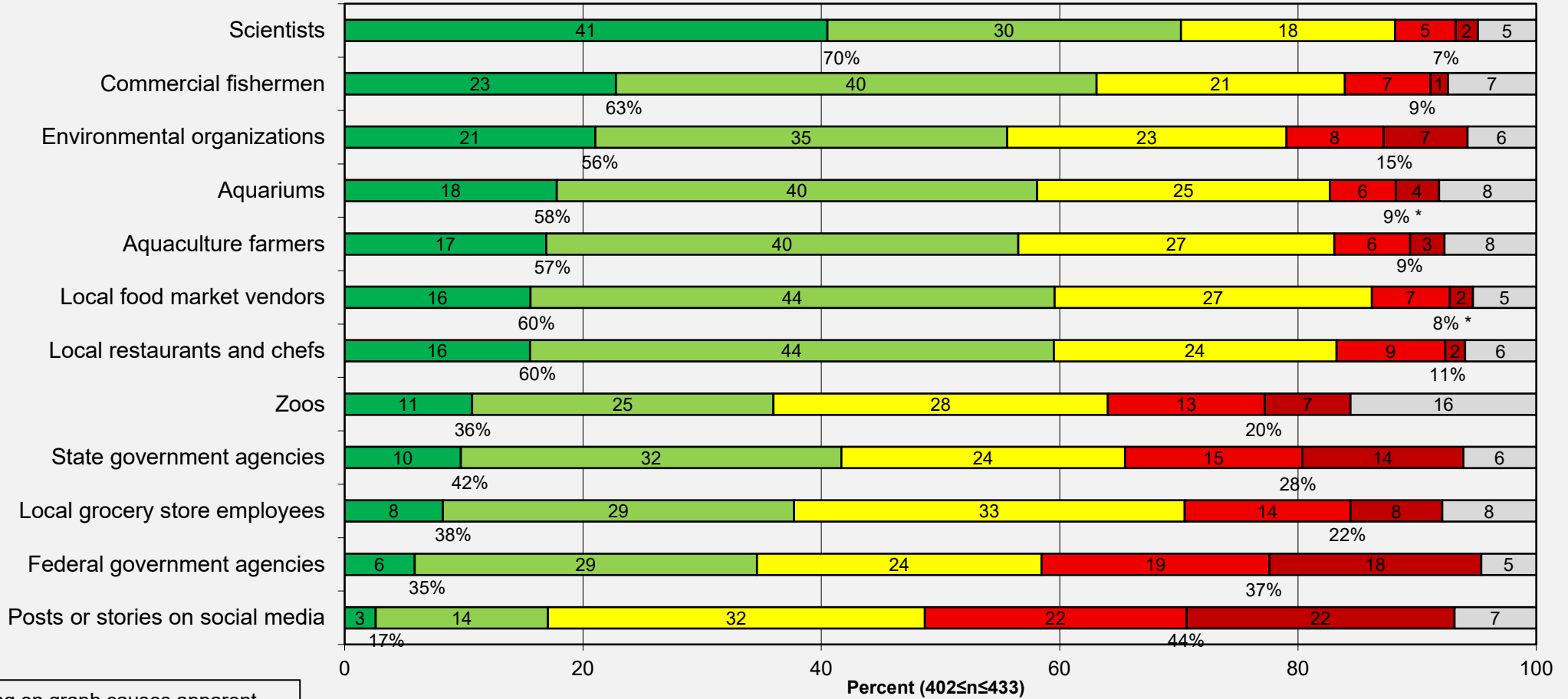


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Sources of Information

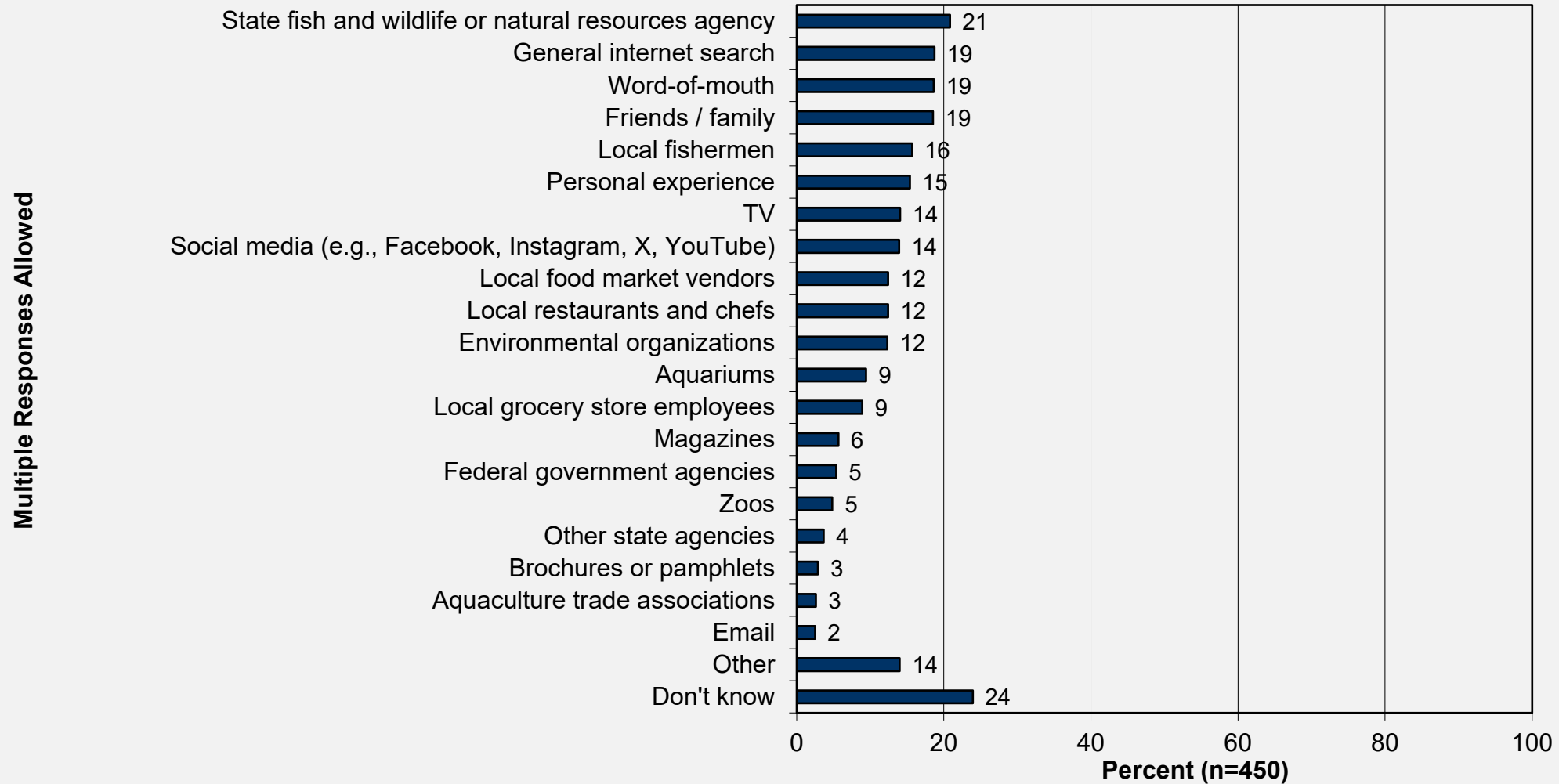
For the following, please tell me how much you trust each one as a source of information about aquaculture: (Oregon)

■ Trust a great deal
 ■ Trust somewhat
 ■ Neither trust nor distrust
 ■ Distrust somewhat
 ■ Distrust a great deal
 ■ Don't know



* Rounding on graph causes apparent discrepancy in sum; calculation made on unrounded numbers.

Specifically, where do you get, or have you seen, information about aquaculture? (Oregon)



An underwater scene with green seaweed and sunlight filtering through the water. The text "Questions?" is overlaid in a bold, yellow font.

Questions?

mark@responsivemanagement.com