

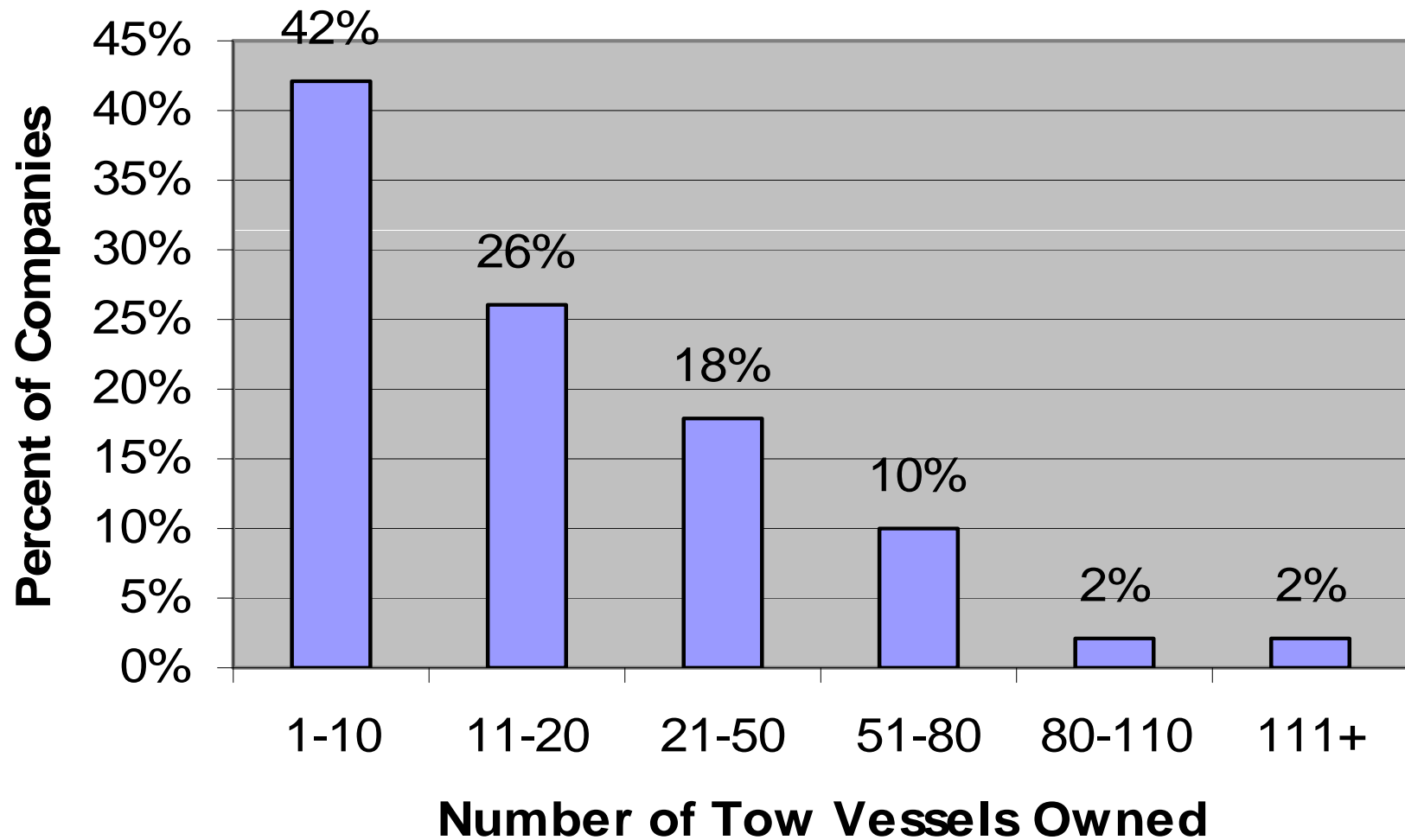
Report to the Interregion Safety Committee

Coast Guard – AWO Crew
Endurance Management Survey
Results

Method

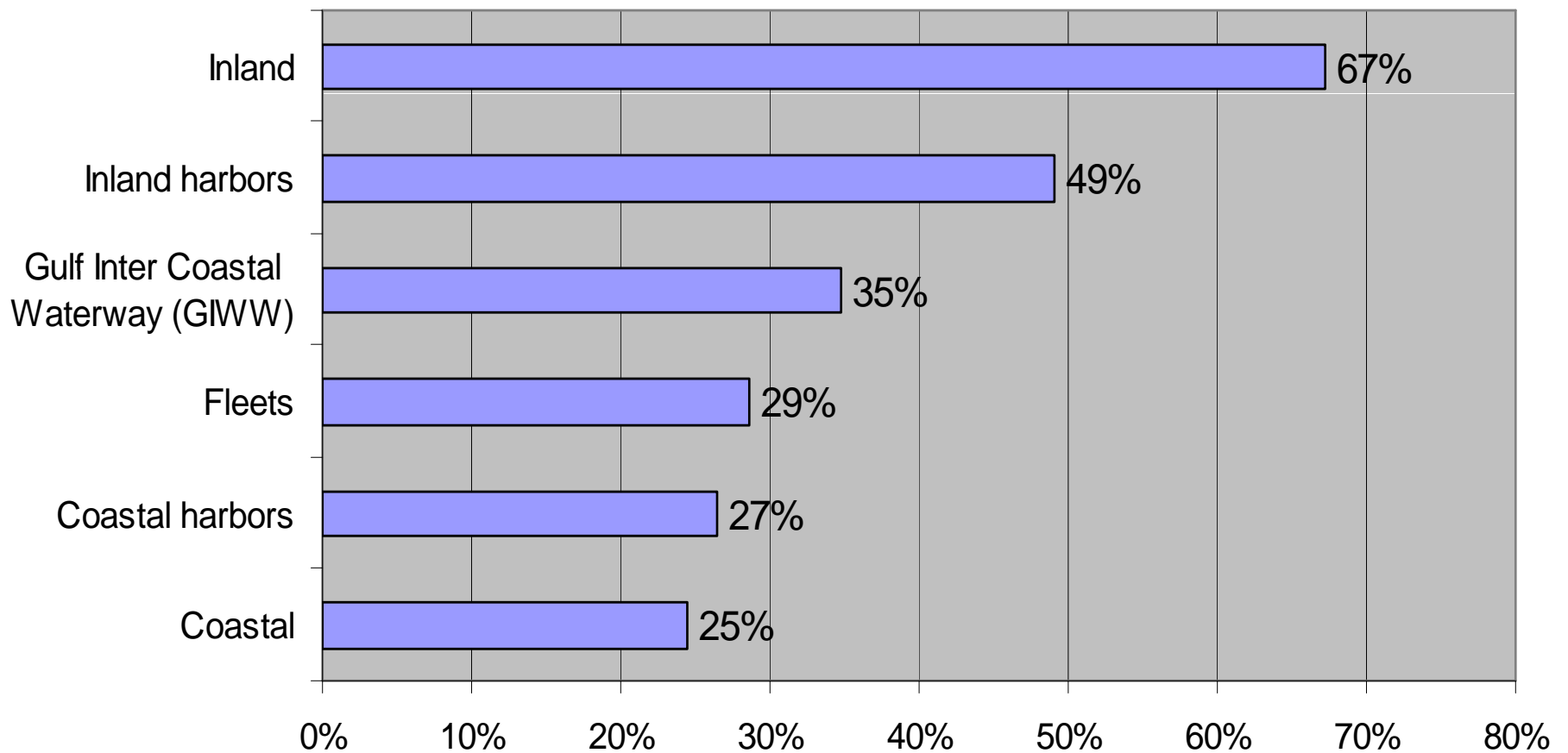
- Survey of AWO Member Progress and Challenges in Implementing CEMS
- Conducted Online
- Sent to 300 AWO Carrier Members
- 50 Surveys Completed
- High Level Results Follow
- More Analysis is Needed

Fleet Size

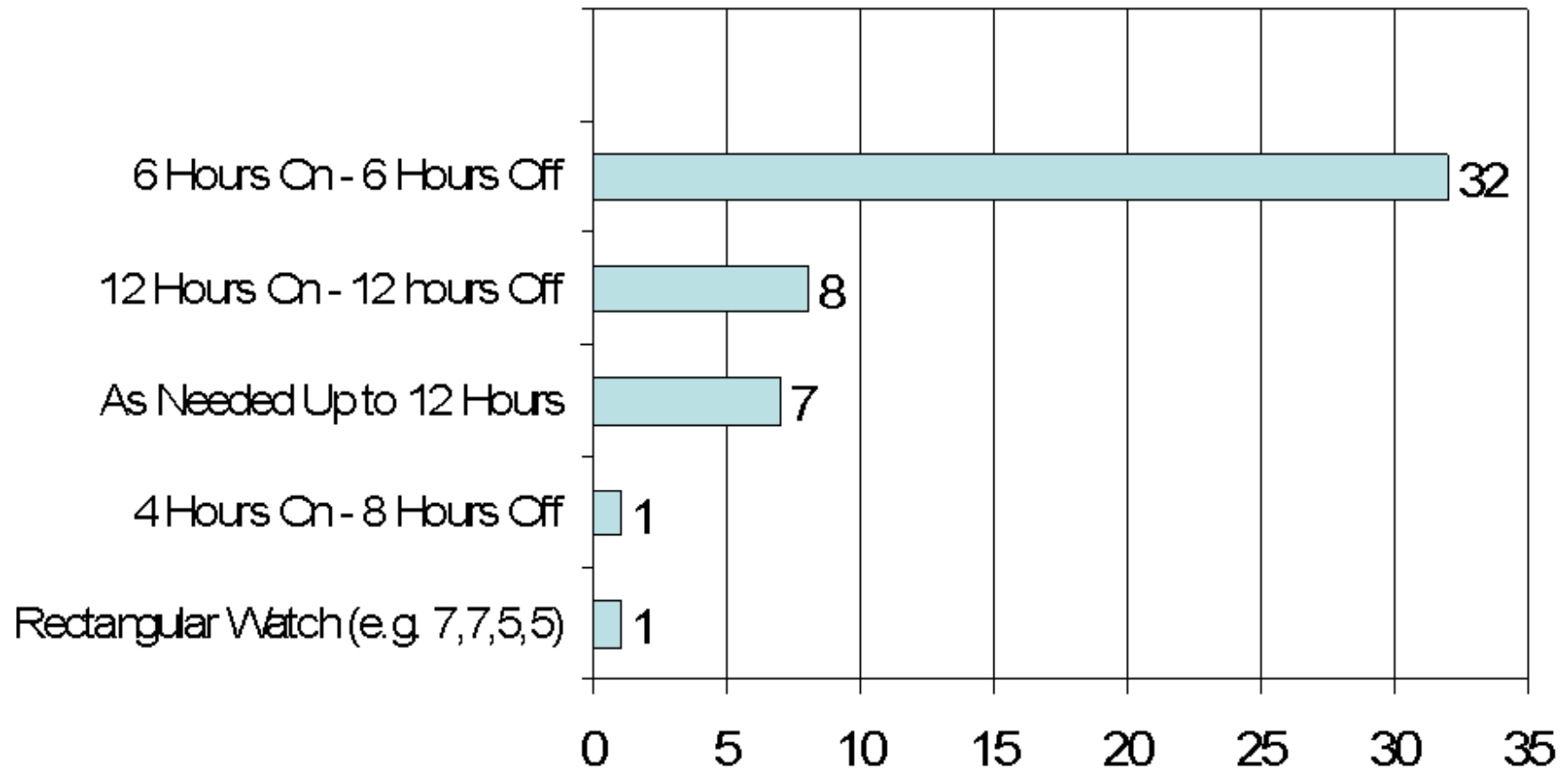


Area of Operation

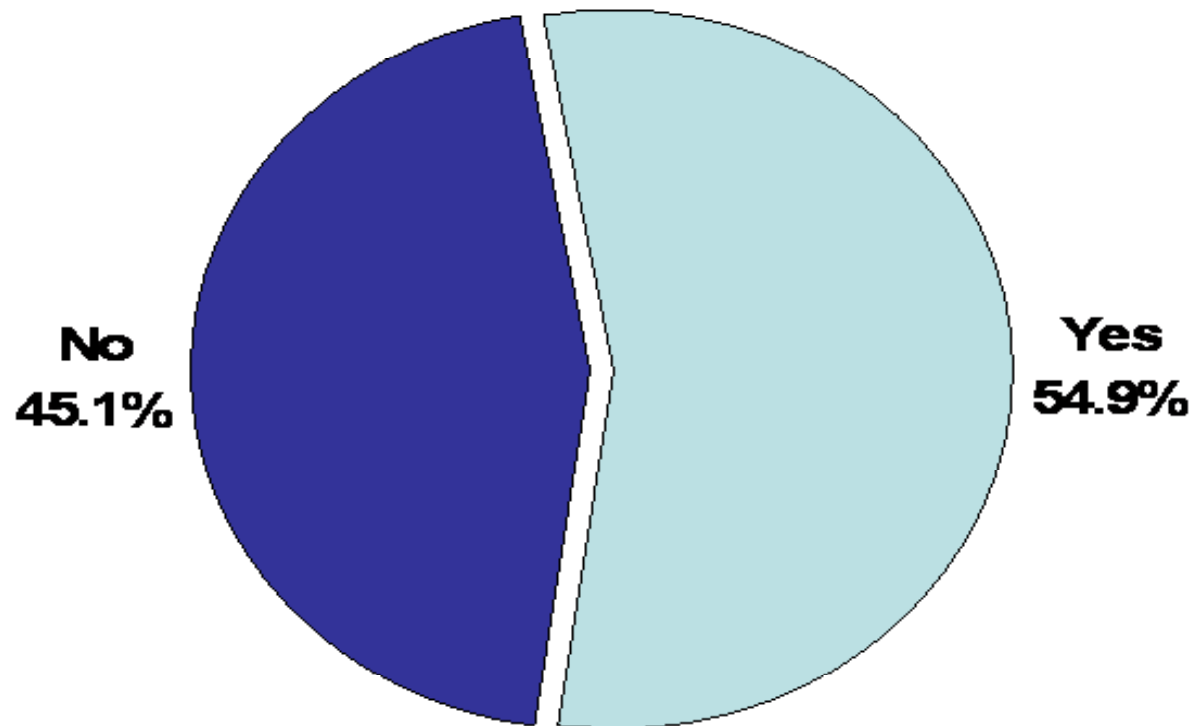
Surveyed Companies Area of Operations



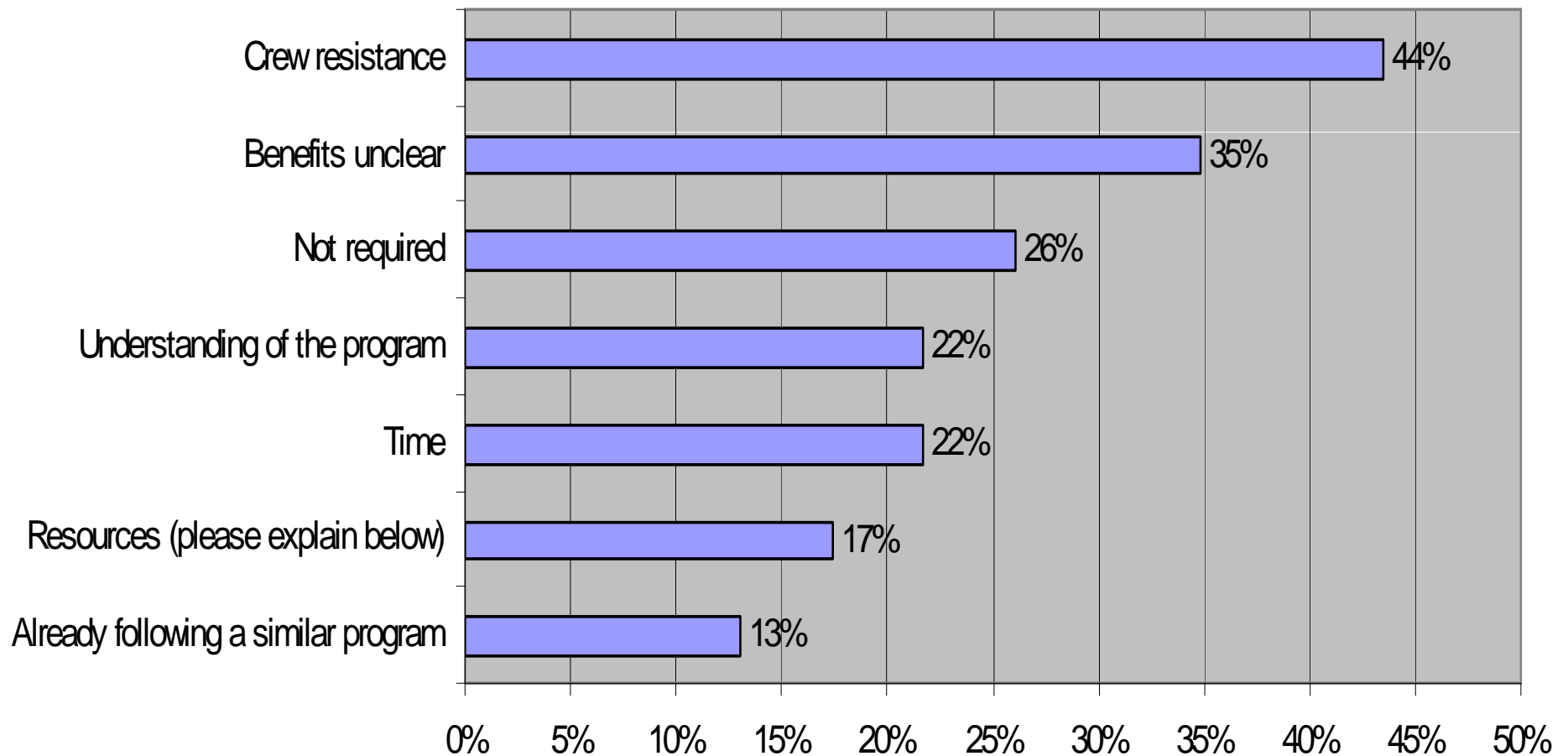
Work Schedule



Have You Begun Implementing Elements of CEMS?



What Prevents or Delays Taking the First Steps Toward Implementing CEMS?

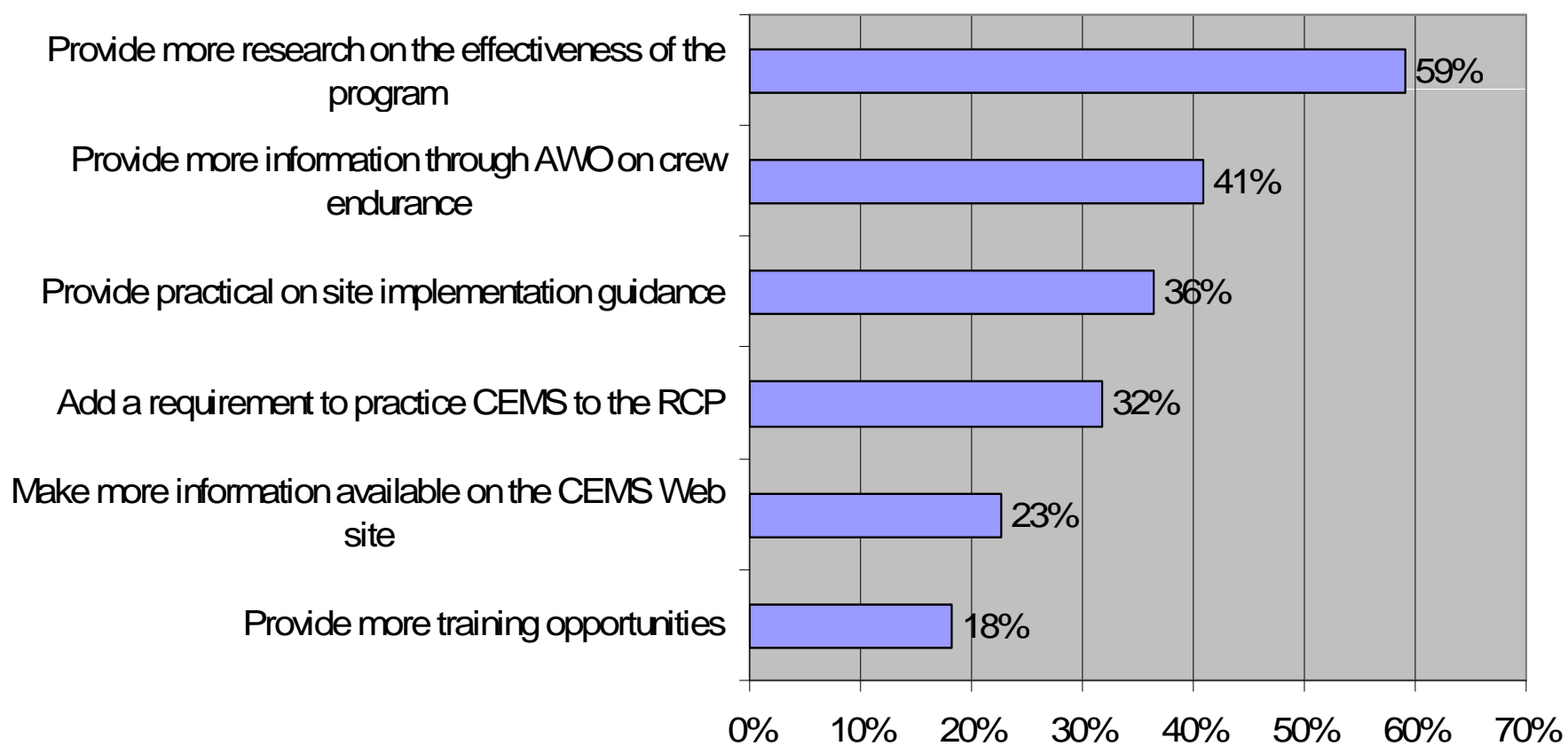


What Elements of CEMS Practices Does Your Company Perceive as Most Difficult to Implement?

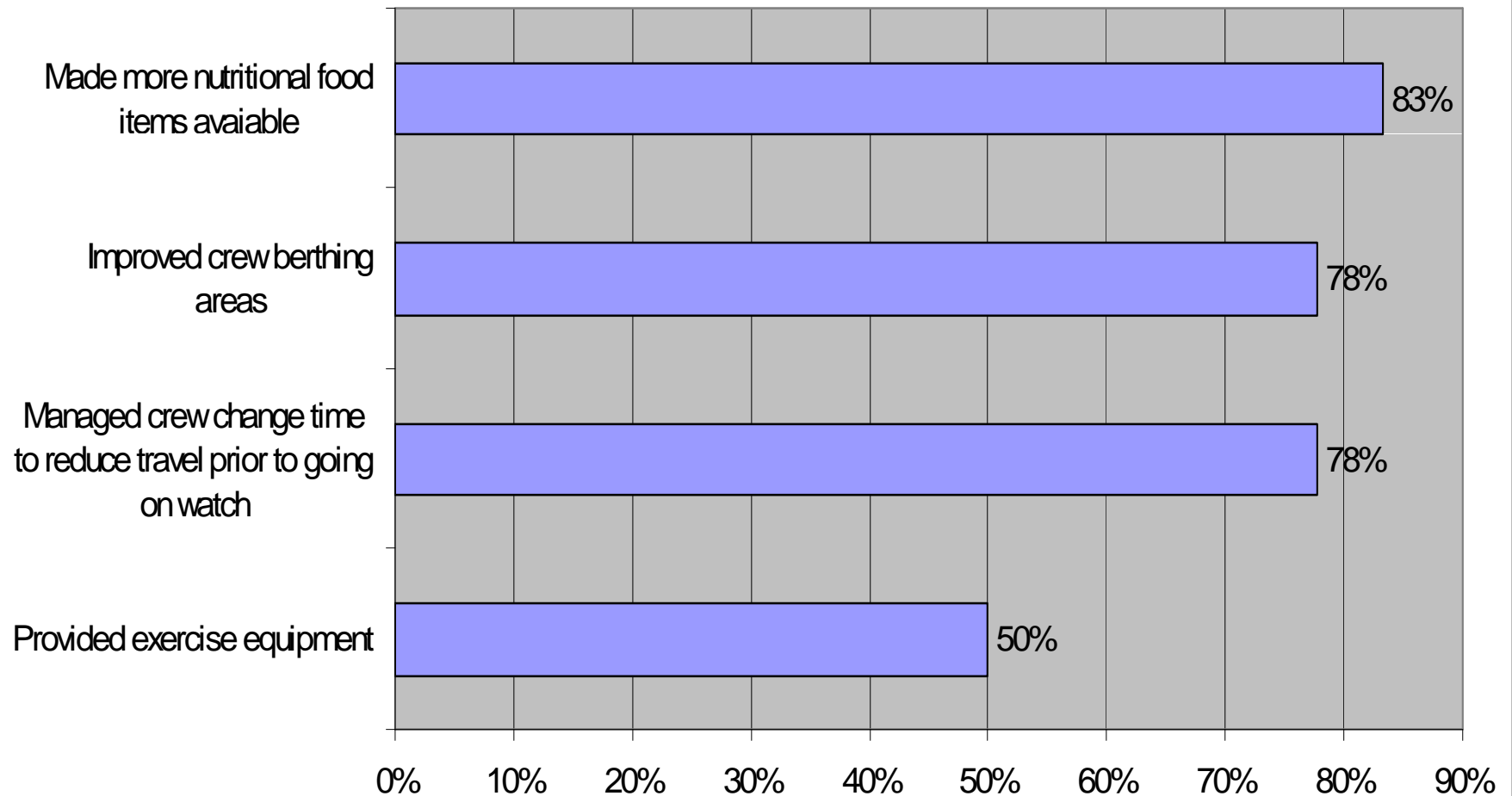
■ Responses:

- Work Schedule/Watch Change (6 Responses)
- Employee Habits (5 Responses)
- Company/Employee Buy In (2 Responses)
- Light Management (1 Response)

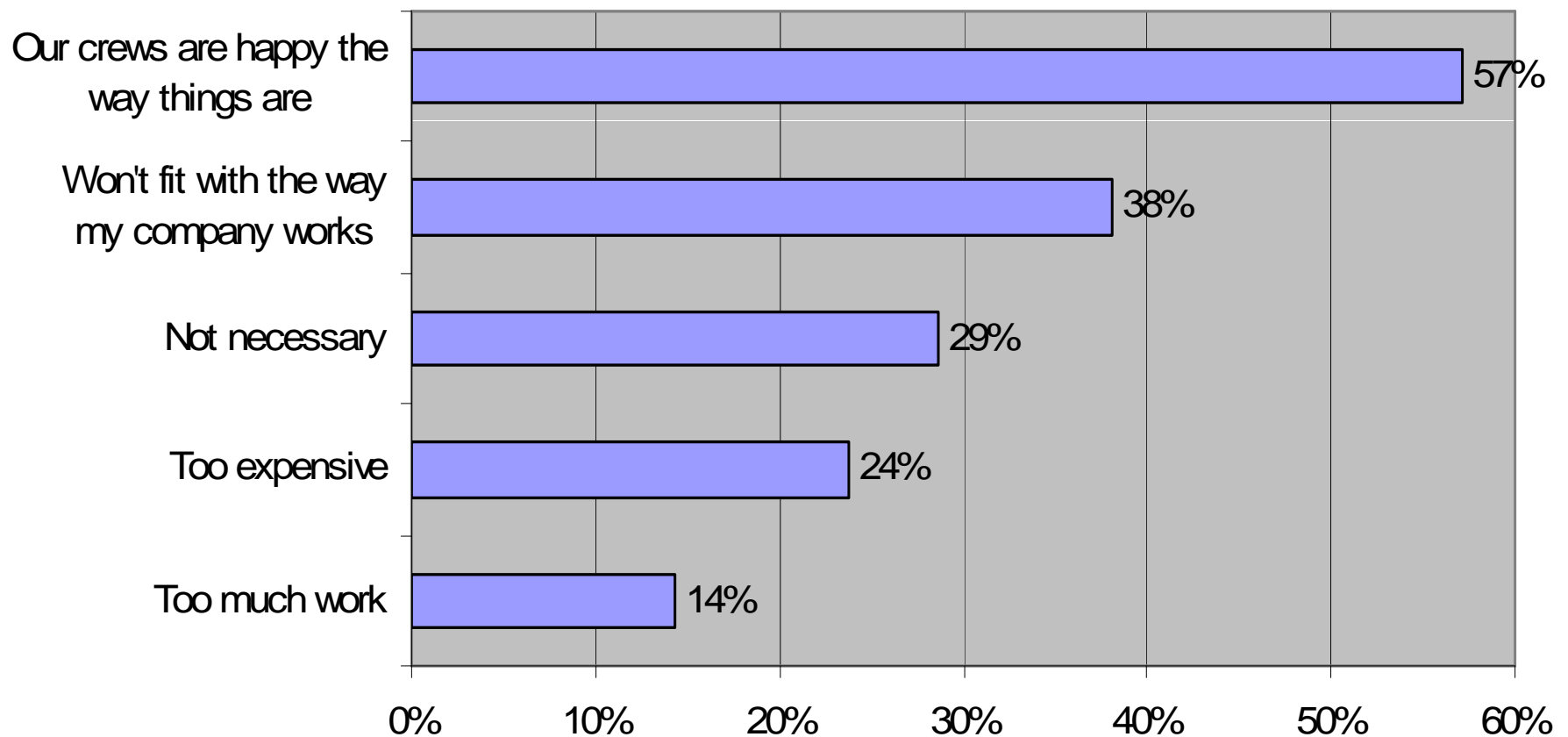
What Actions Could the Coast Guard and/or AWO Take to Encourage You to Begin to Implement CEMS?



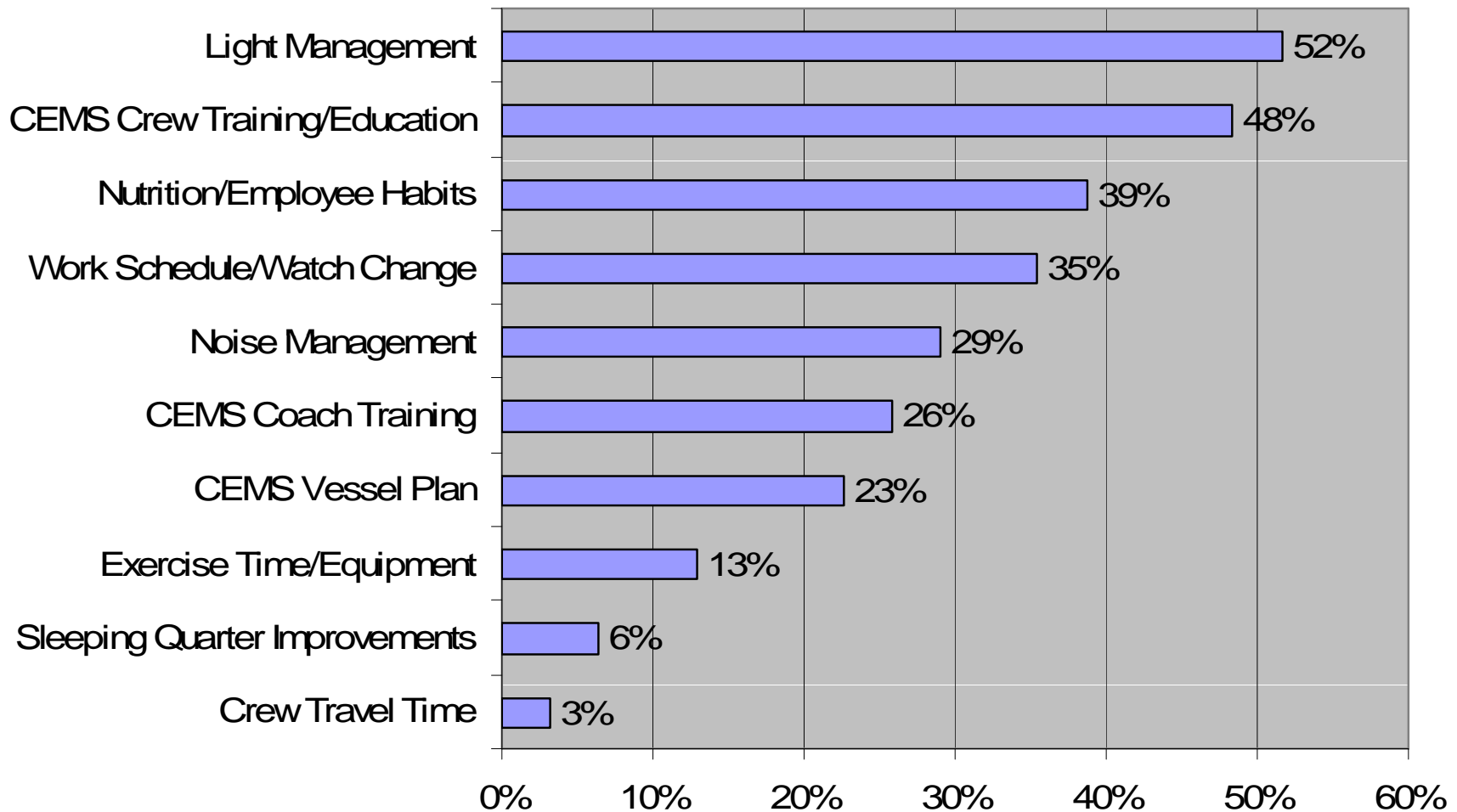
Even Though Your Company Does Not Practice CEMS, Have You Done Any of the Following?



What is Your Company's Perception of CEMS Program?



Implementation Steps Taken in the CEMS Process?



Practices and Improvements Taken to Mitigate Crew Endurance Risks

■ Company Policies

- Building New and Retrofitting Old Vessels to Include Light Dimmers, Sound Deadening Insulation, and Adequate Space for Exercise With Water Coolers
- Modified Crewmember Work Schedules, Watch Changes, Work Limits
- Crewmember Travel Time Policies
- Hiring more qualified crewmembers with licenses.
- Crewmember Peer-Review of Onboard CEMS Safety Issues

Practices and Improvements Taken to Mitigate Crew Endurance Risks

■ CEMS Basics

- Light/Noise/Sleep Management
- Crewmember Exercise, Rest & Nutrition Programs
- Red Zone & Risk Factors Management
- Courtesy Policy & Stress Management

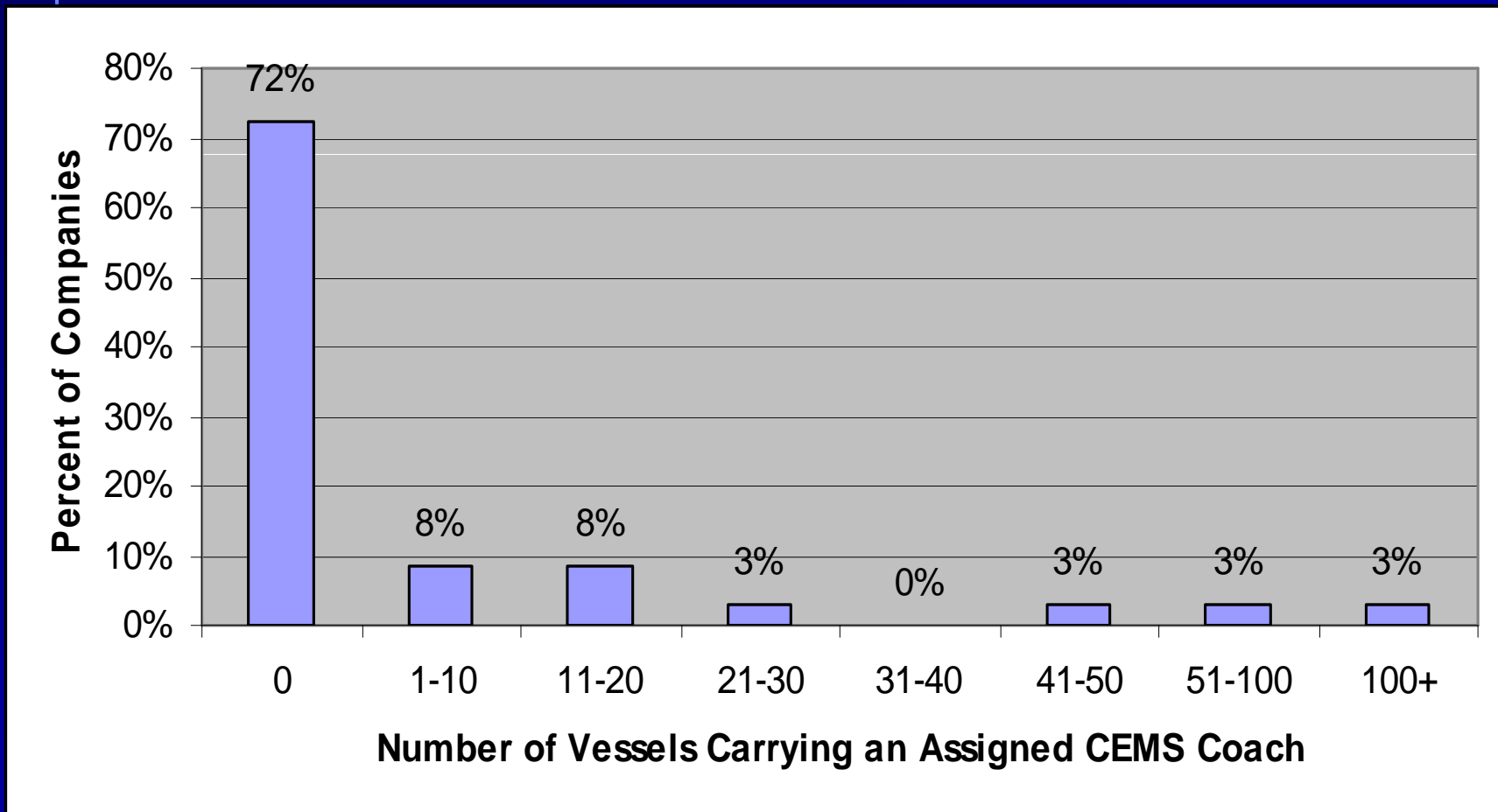
CEMS Training Provided and What Topics Are Covered?

- **CEMS Coach Training**
 - **A Majority of Surveyed Companies Have Not Trained Either Their Management or Crewmembers as CEMS Coaches**
 - **For Those Companies That Train CEMS Coaches, Training was Evenly Distributed Throughout Management and Crewmembers Alike**

Types of CEMS Training and Topics Covered

- **Common CEMS Training Topics & Practices**
 - Training Crewmembers as CEMS Coaches
 - Requiring Ongoing CEMS Training/Safety Meetings
 - CEMS Informational Handouts
 - Presenting the Moxie Media DVD on CEMS
 - Coast Guard/AWO Online CEMS Document Reviews
 - Simulator Training

Vessels That Carry a Crewmember Assigned as a CEMS Coach?



Have Crews Made Modifications to Their Watch Schedules?

- At Least Half of All Companies Have Experimented With Watch Schedules
- Several Companies Reported That They Now Consider the Duration of Sun Light & Darkness as Factors In Their Watch Schedules
- Several Companies Reported that Watch Schedule Modification Was A Decision Left Up To The Captain & Crew
- Several Companies Reported That They Face Crew or Management Resistance to the Concept of Modifying Watch Schedules

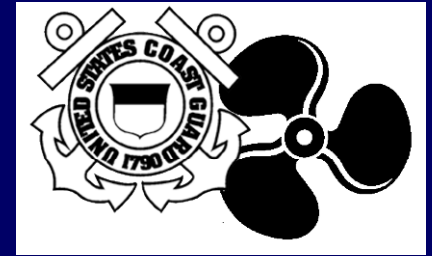
Specific Areas Mentioned as Difficulties for Companies Implementing CEMS

- Crew & Management Resistance/Buy-In to CEMS
- Modifying Work Schedules/Watch Changes
- Resources

Specific Areas That Companies Reported the Most Success

- Nutrition, Exercise, Personal Habits
- CEMS Crew Training
- Noise Management
- Environment/Quarters Improvement

Next Steps



- Write Short Article for the AWO Letter Discussing the Survey
- Respond to the Survey in an Attempt to Gain More Participation
- Compile and Organize Data
- Convene Working Group to:
 - Review Data
 - Develop Plan to Improve Understanding and Encourage Implementation