

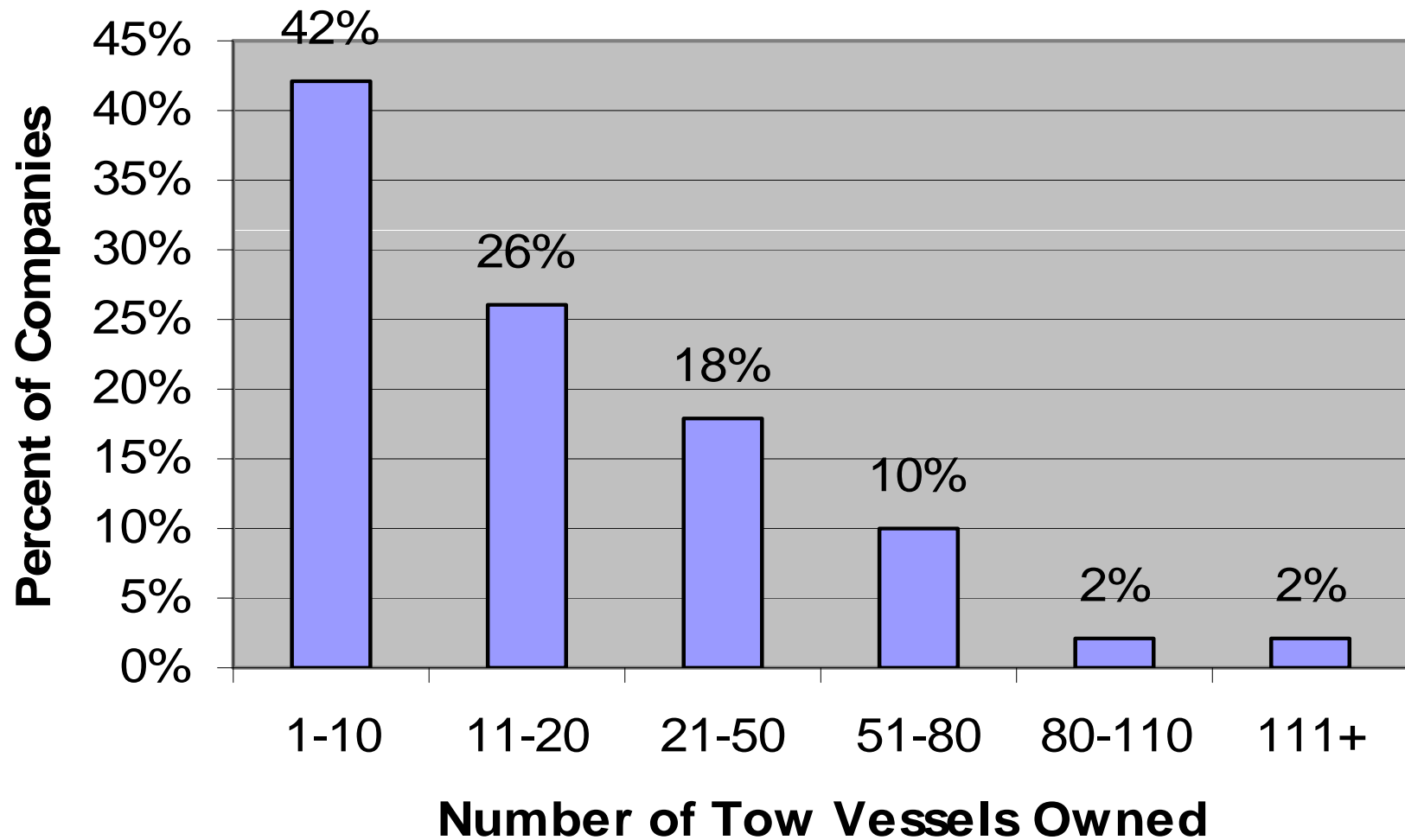
# Report to the Coastal Safety Committee

Coast Guard – AWO Crew  
Endurance Management Survey  
Results

# Method

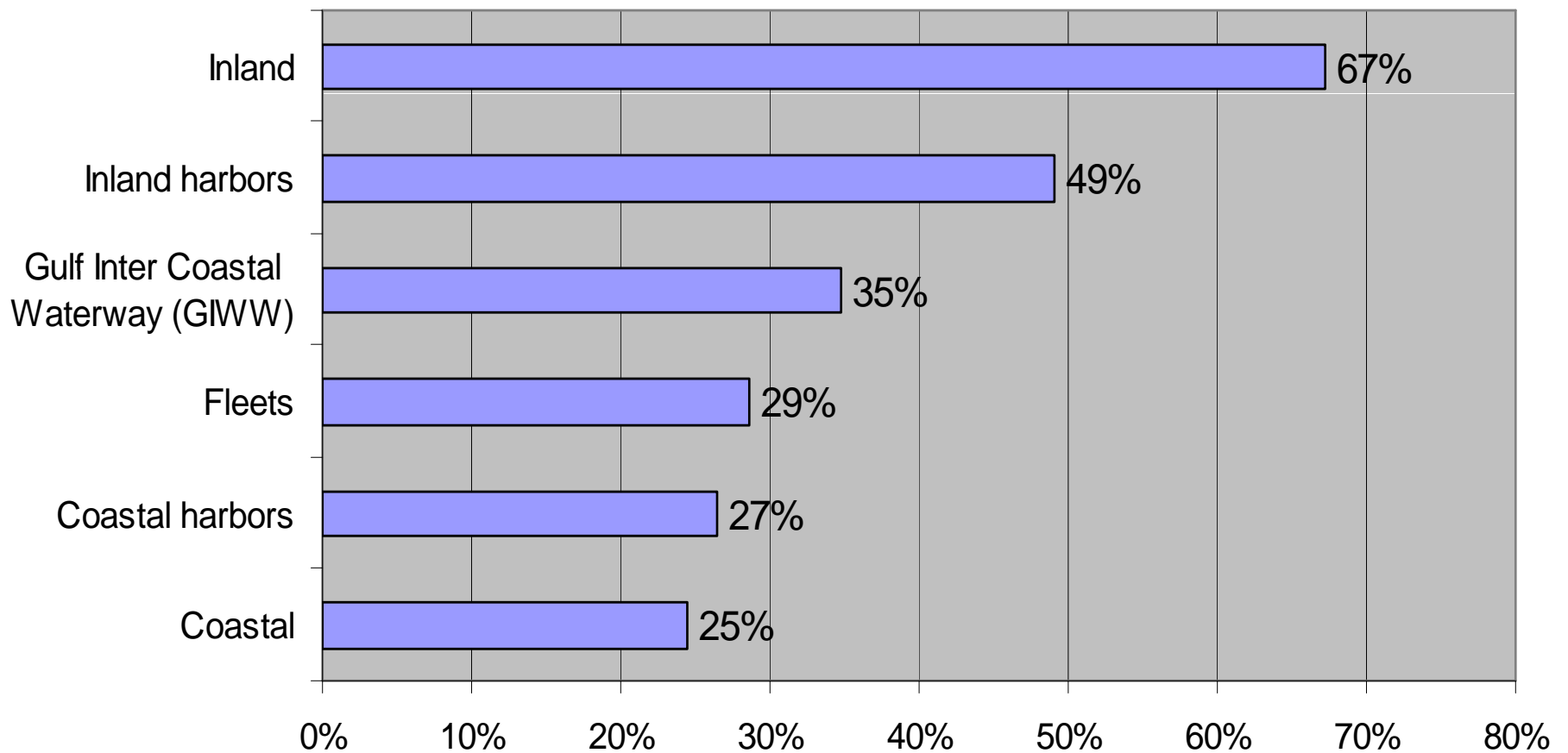
- Survey of AWO Member Progress and Challenges in Implementing CEMS
- Conducted Online
- Sent to 300 AWO Carrier Members
- 50 Surveys Completed
- High Level Results Follow
- More Analysis is Needed

# Fleet Size

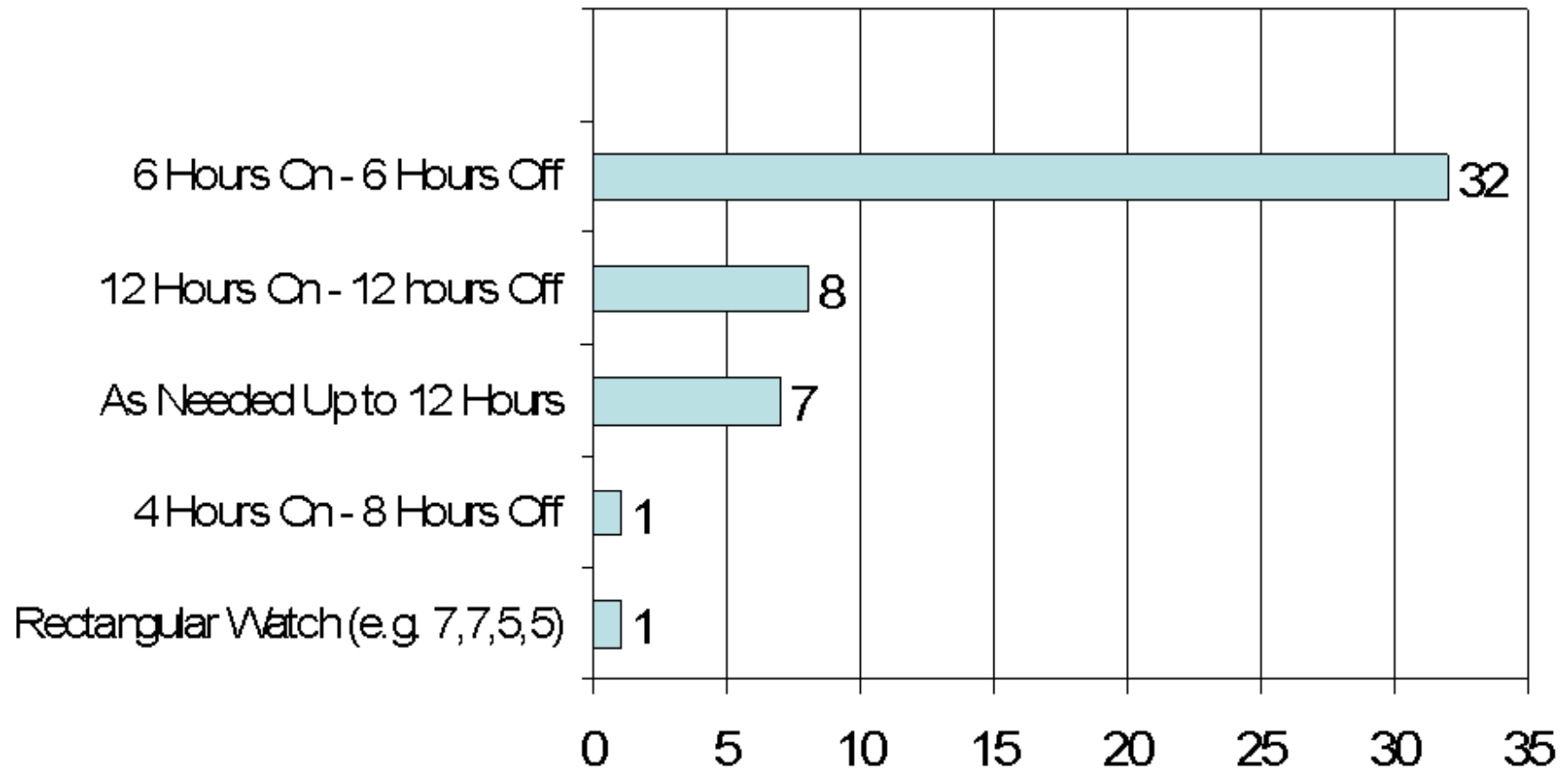


# Area of Operation

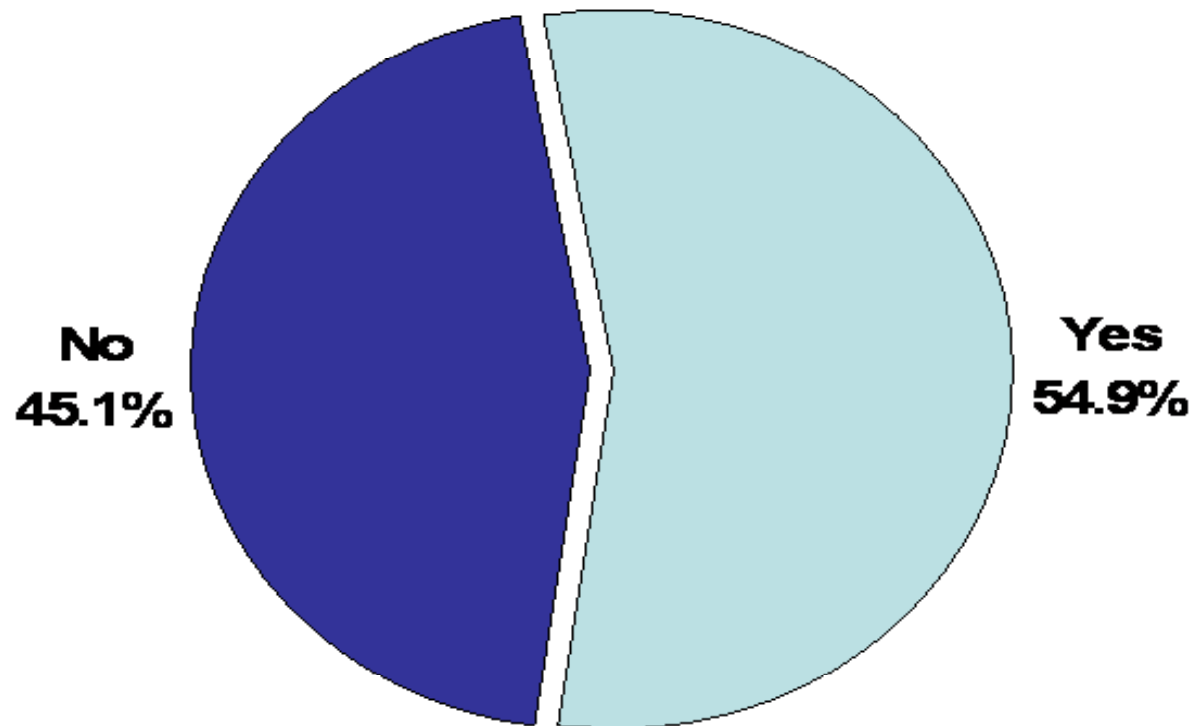
Surveyed Companies Area of Operations



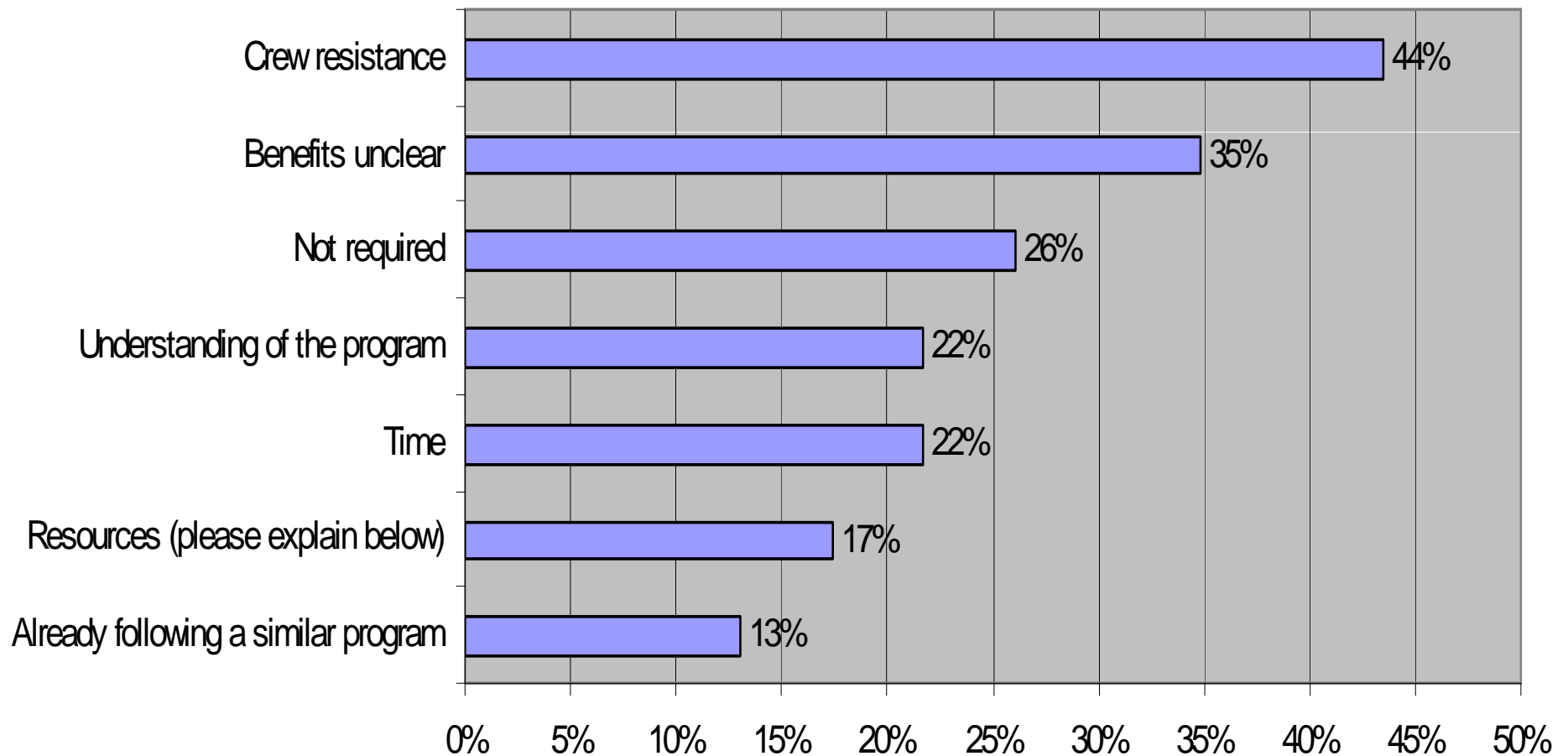
# Work Schedule



# Have You Begun Implementing Elements of CEMS?



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

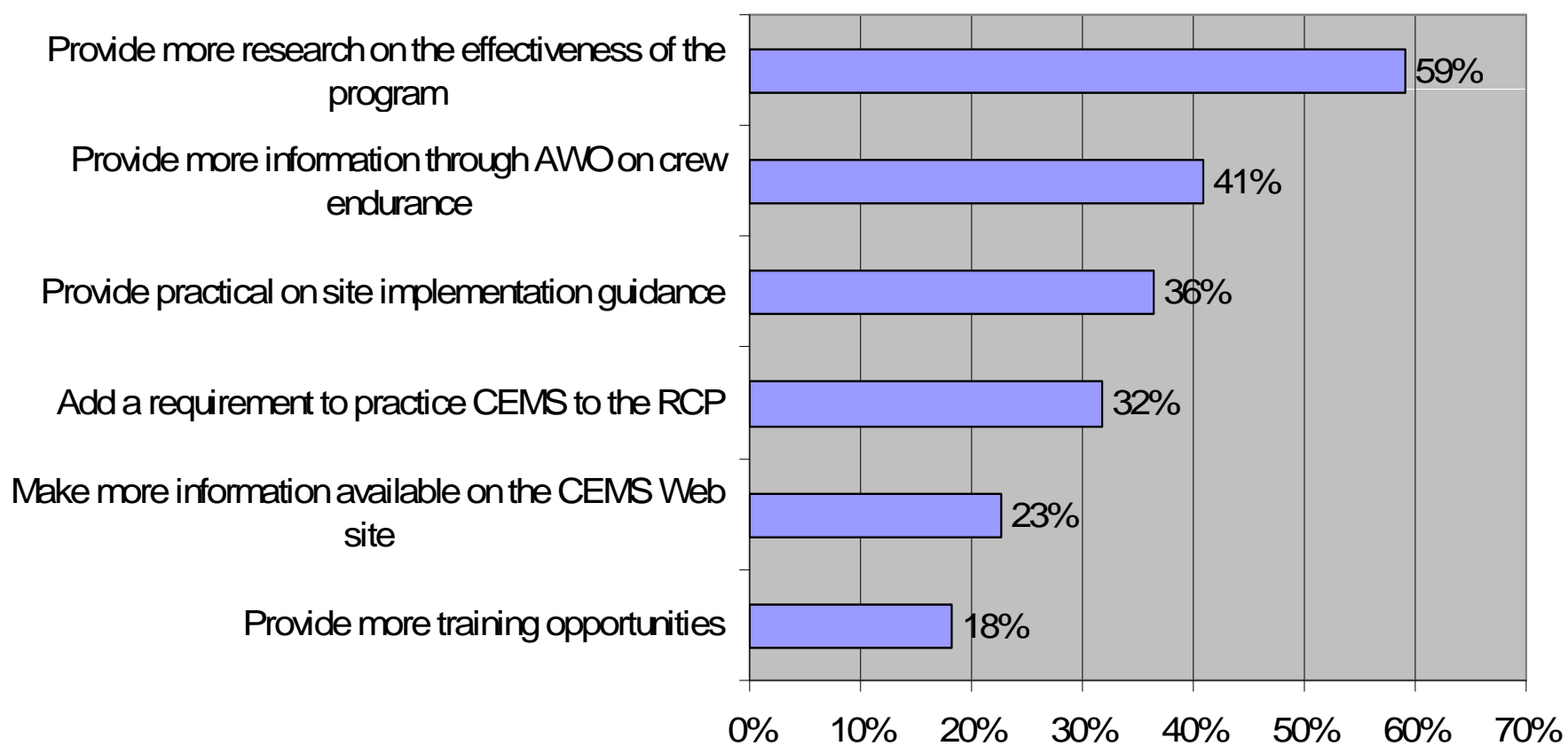


# What Elements of CEMS Practices Does Your Company Perceive as Most Difficult to Implement?

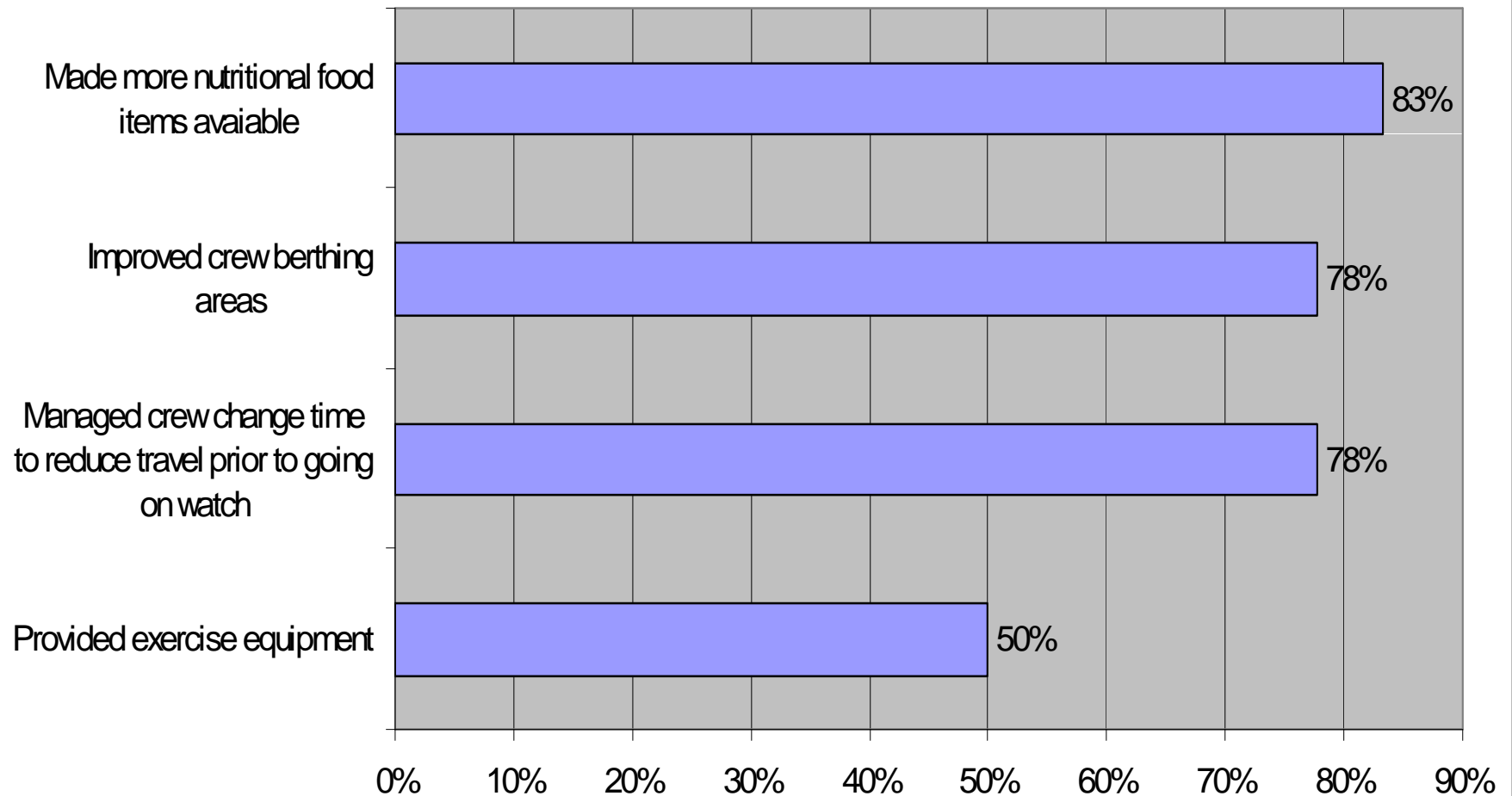
## ■ Responses:

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

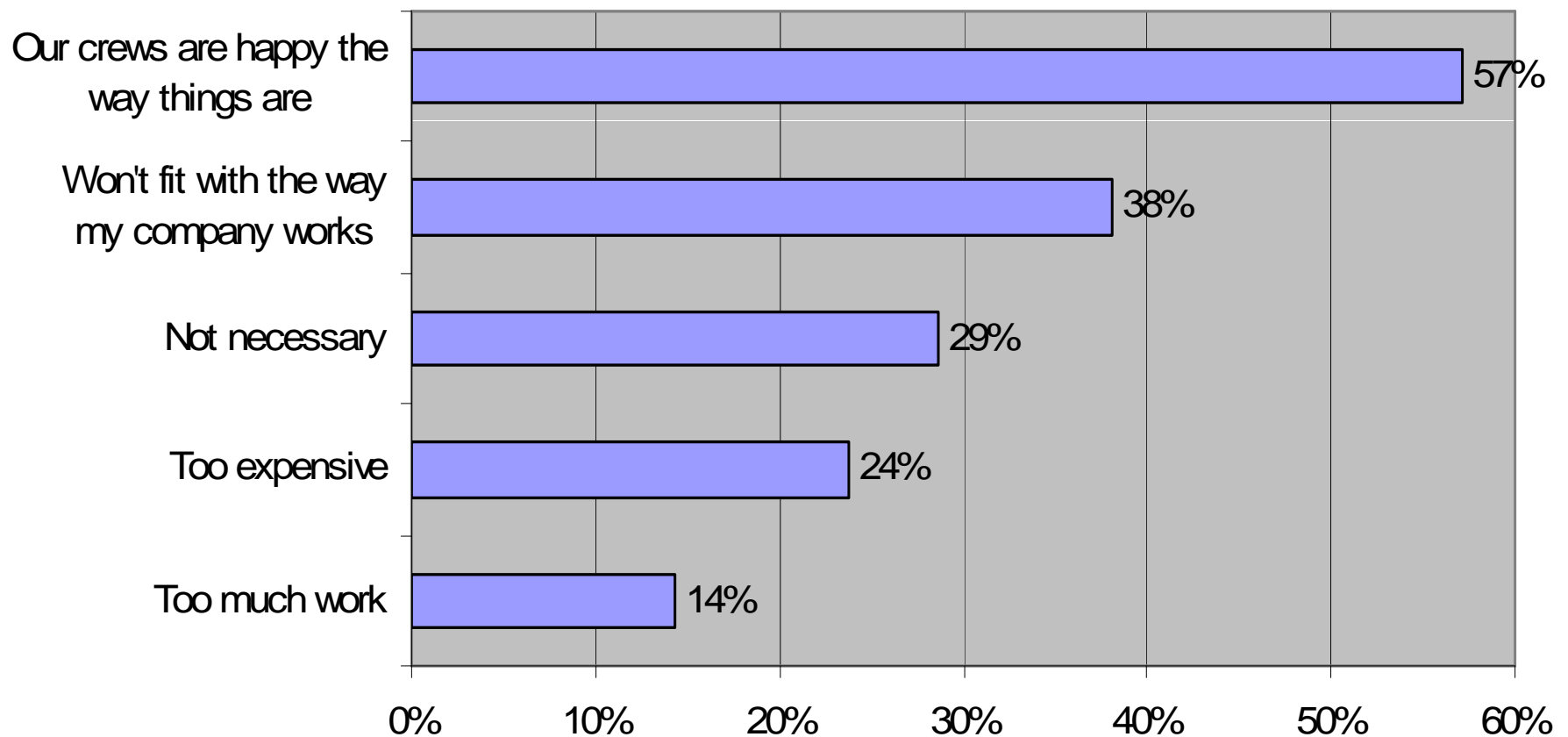
# What Actions Could the Coast Guard and/or AWO Take to Encourage You to Begin to Implement CEMS?



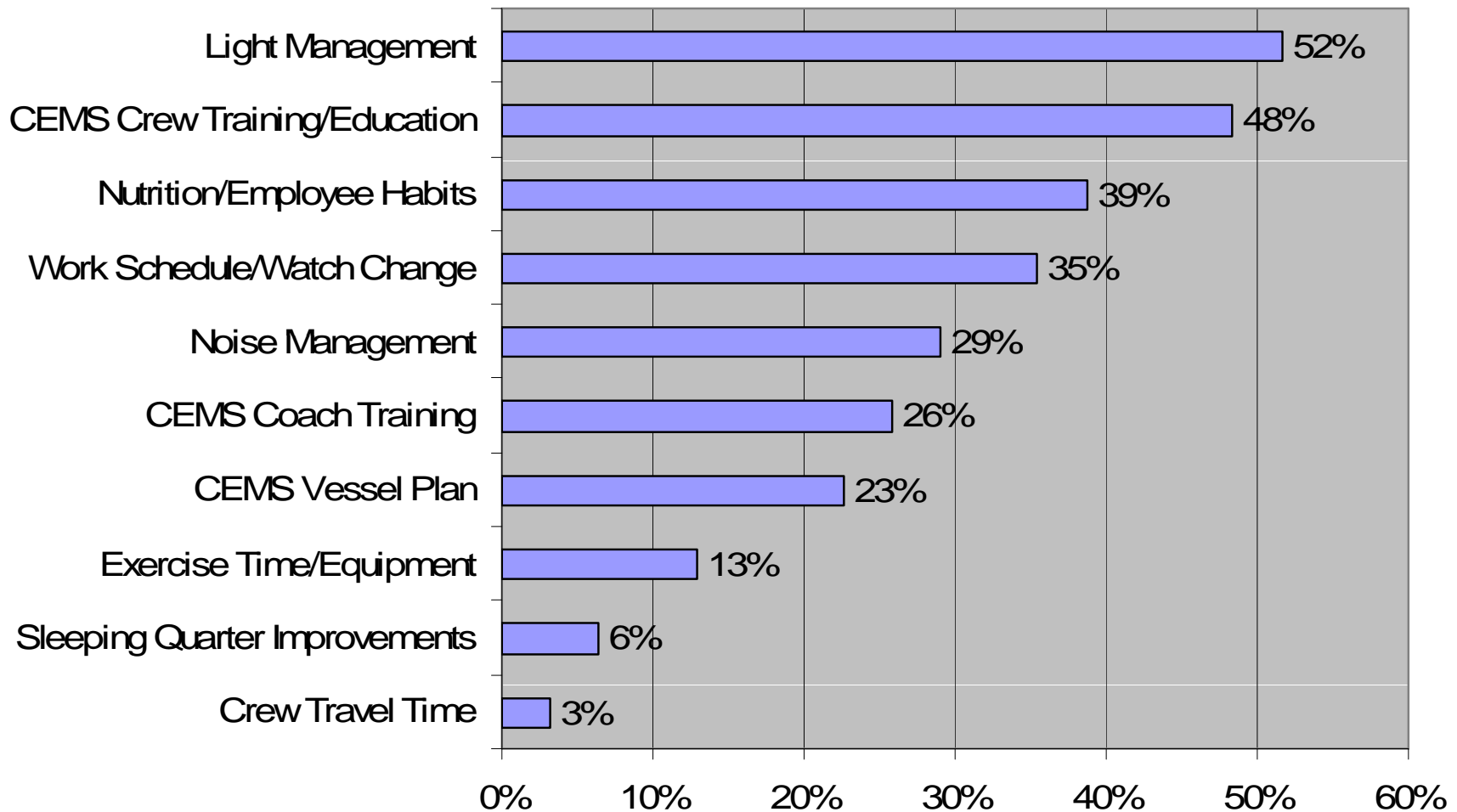
# Even Though Your Company Does Not Practice CEMS, Have You Done Any of the Following?



# 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

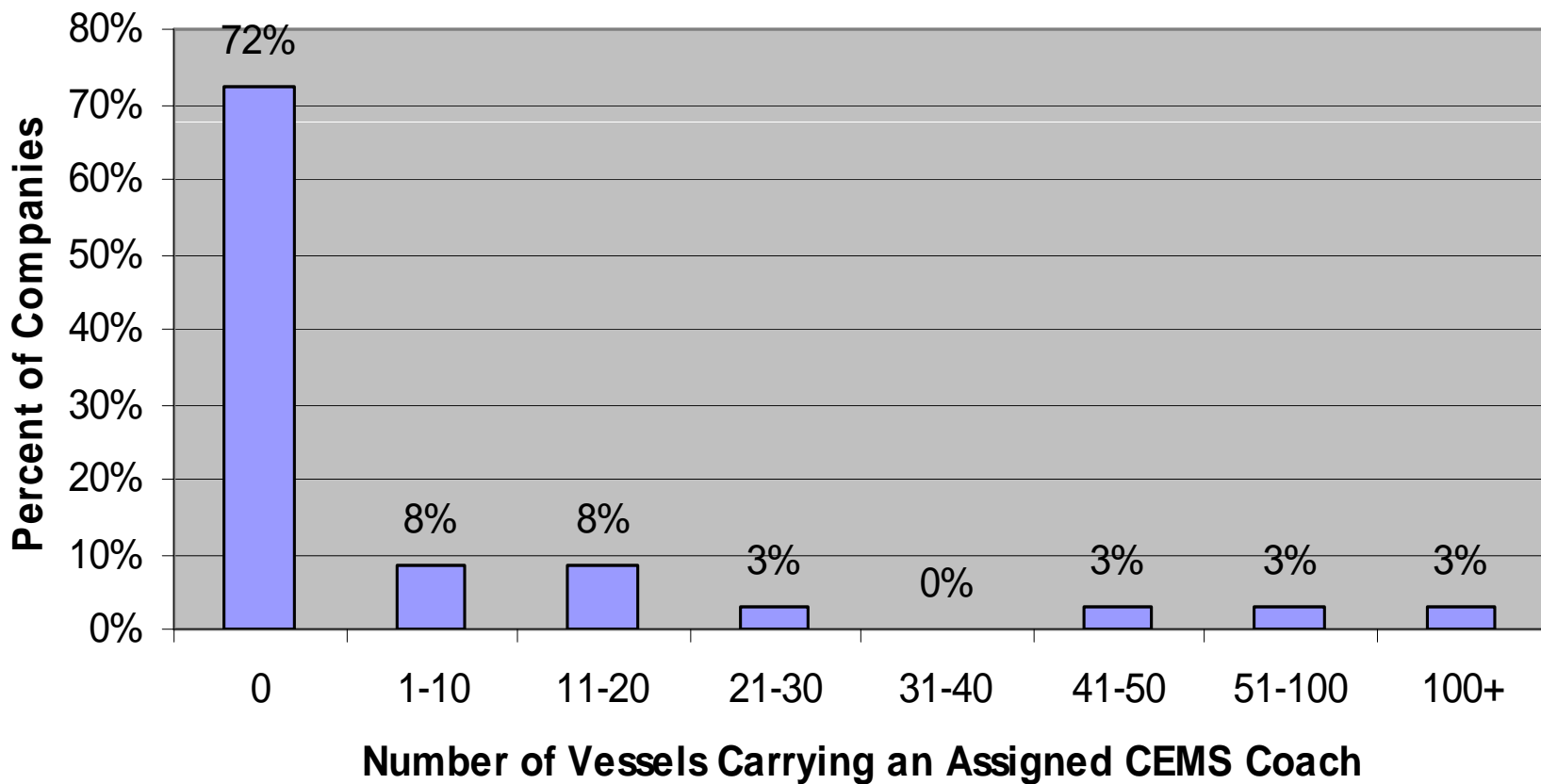
# **CEMS Training Provided and What Topics Are Covered?**

- **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

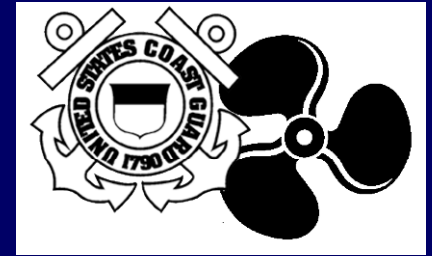
## **Specific Areas Mentioned as Difficulties for Companies Implementing CEMS**

- 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