



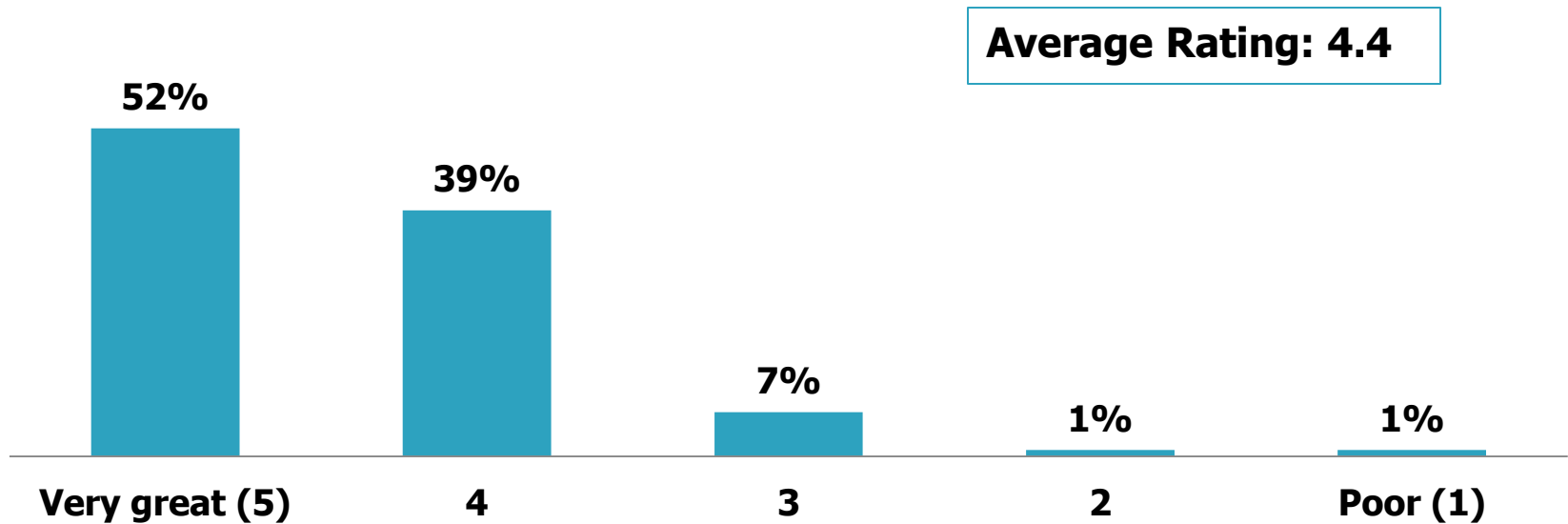
Evaluating EYH 2010: Implications for 2011 and Beyond



- ▶ **January 9, 2010** at Willamette University
- ▶ **26** workshops
- ▶ **213** girls participated in three workshops each & lunch assembly
 - 6th graders – 75 (35%)
 - 7th graders – 60 (28%)
 - 8th graders – 78 (37%)
- ▶ **190** out of 213 girls (89%) returned their Pre and/or Post surveys
- ▶ **29** area schools represented
- ▶ **12** high school volunteers
- ▶ **2010** was first year EYH conference included a pre survey

Overall Rating of EYH

Rating the EYH Day



N = 178

Top Favorite Things About EYH

Girls most frequently mentioned:

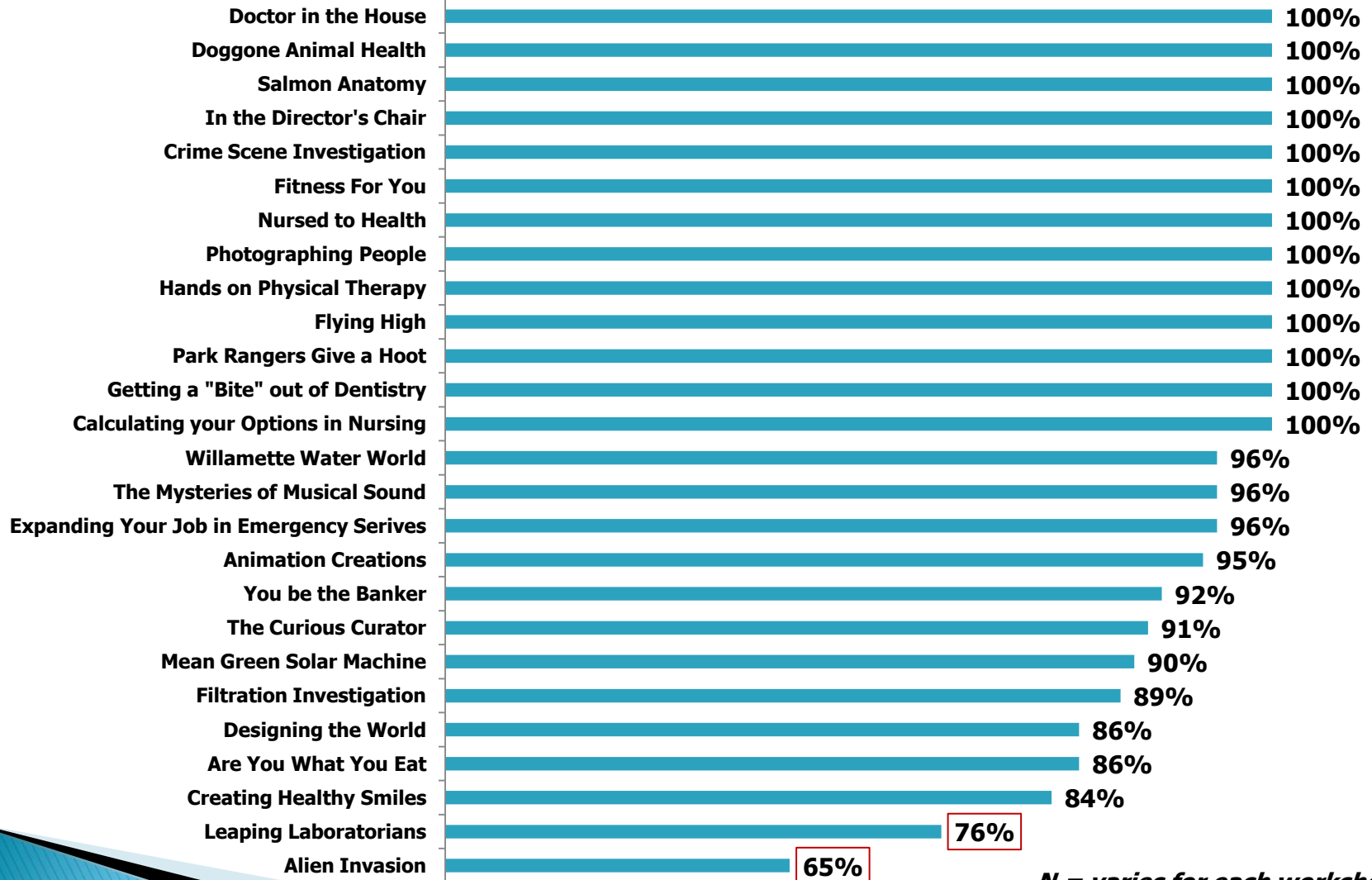
- 1. Specific workshops** **32%**
"diagnosing disease in Leaping Laboratorians"
- 2. Learning about new jobs** **15%**
"seeing all the cool careers"
- 3. Oregon Coast Aquarium assembly** **11%**
"girls dressing up as seals and sea lions"
- 4. Hands-on activities** **10%**
"all of the hands-on activities"

Other : "Everything," "Spending time with friends," and "Lunch"

154 girls responded to this question

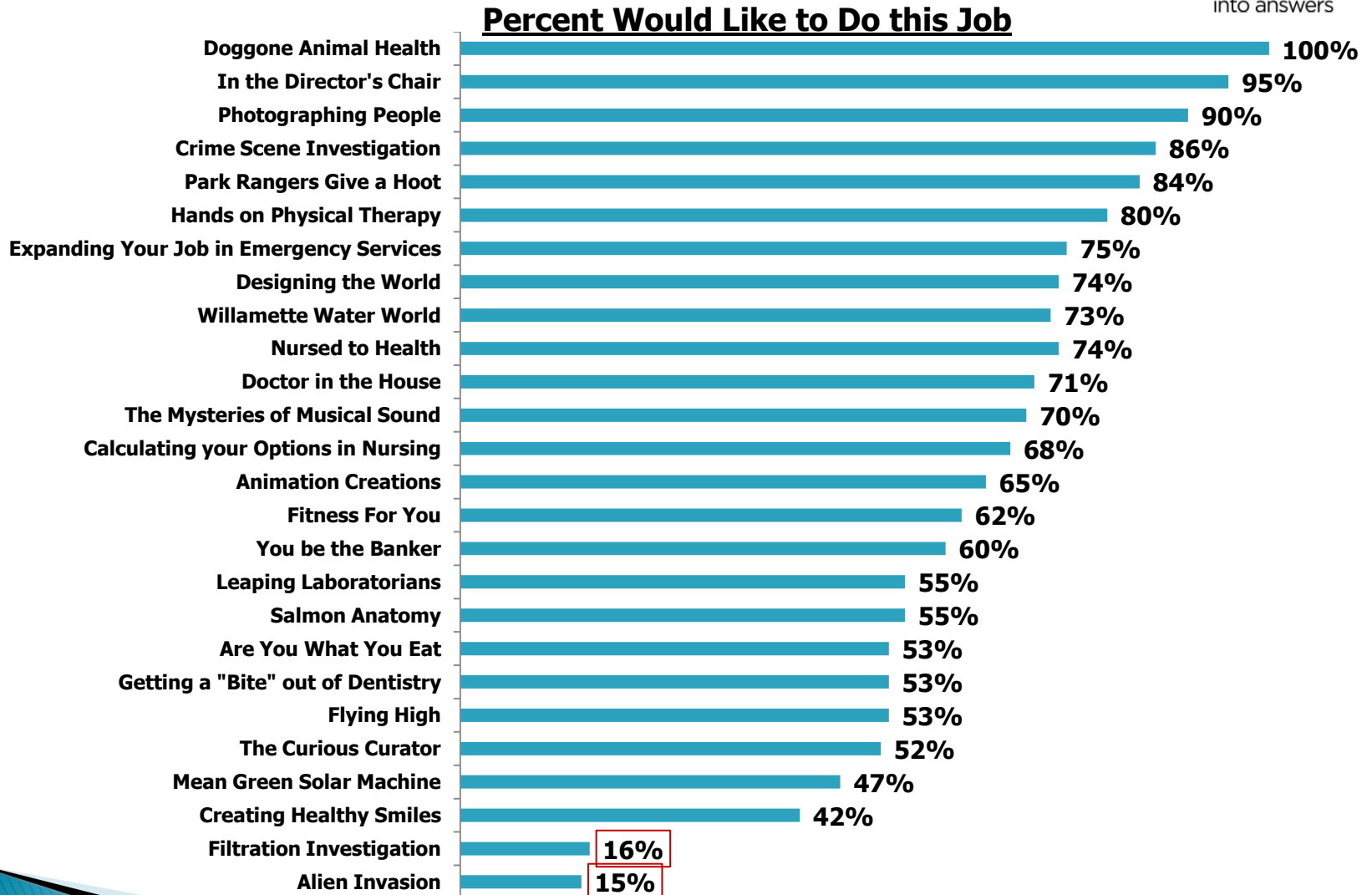
Workshop Enjoyment

Percent Enjoyed Workshop



N = varies for each workshop

Interest in Doing the Jobs



N = varies for each workshop

Workshop Feedback from Girls

Response themes:

▶ **More Hands-On**

- Greatly preferred “hands-on” activities to lectures

▶ **Longer Workshop Sessions**

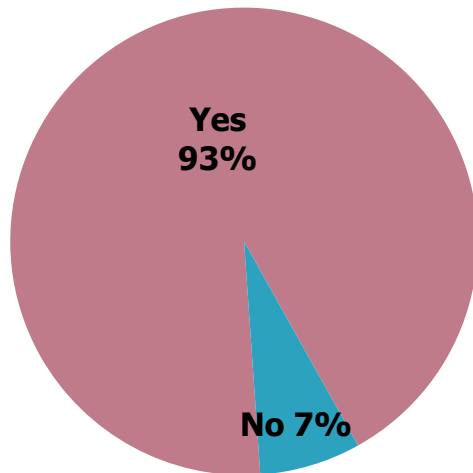
- Not enough workshop time to complete activities
- Felt rushed, disappointed, and short-changed by the lack of time

▶ **Keep it Real**

- Greatly preferred “real” activities (e.g., dusting for fingerprints and dissecting fish) over “pretend”
- Wished they could see real animals, plants, even nursing patients (which may, of course, not be practical!)

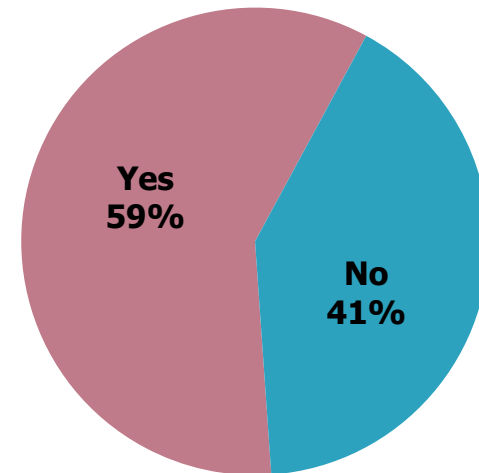
Lunch Assembly: Oregon Coast Aquarium

Percent Enjoyed Assembly



N = 173

Percent Would Like to Do Job (Marine Biologist)



N = 162

Summary of Findings

▶ **New Careers/Science and Math**

- 35% learned about new careers
- 70% agreed presenters and high school girls inspired them to take as much science and math in high school as possible

▶ **Medicine and Health**

- Many were interested in these career areas
- 14% suggested health/medicine related careers for the next EYH conference

▶ **Educational Goals**

- 83% aspired to a university degree or more advanced degree

EYH Conference Recommendations

Best Practices

- ▶ Develop “Best Practices” set of guidelines for presenters
- ▶ Emphasize that interactive activities are desired and encouraged

Suggestions for Future Conferences

- ▶ Extend workshop length
- ▶ Offer more workshops on topics that match top career goals, such as:
 - A variety of physicians and medical-related professionals
 - Additional veterinarian-related workshop
 - Additional forensic science workshop
 - Marine biology workshop

Research and Evaluation of EYH 2011 and Beyond

Track EYH Impact on Girls

- ▶ Continue pre and post survey method
- ▶ Include more questions to be tracked from pre to post survey
 - To demonstrate that EYH influences interest and/or career goals

Improve Survey Instruments

- ▶ Include questions that measure attitudes about math, science, technology, and engineering
- ▶ Expand surveys to ensure all relevant information is captured (ex. ethnicity)
 - Revise surveys to ensure question wording and response scales are appropriate

Research and Evaluation of EYH 2011 and Beyond

Evaluation Planning

- ▶ Consider the longitudinal aspect of EYH
 - Track types of STEM classes girls are taking in high school
 - Requires cooperation with area school districts
- ▶ Plan evaluation research with potential funding or support resources in mind
 - Organizations and funding sources could specifically target:
 - girls who are first generation college bound
 - low income families
 - ethnic minorities
 - Consider collecting data on these indicators