

## Research Safety Results by Expectation

This chart summarizes the percentage of positive responses from all survey participants and the difference between positive responses from principal investigators and researchers ( $\Delta$ ). A positive response is defined as the sum of the two positive scale options, for example "strongly agree" and "agree." A large  $\Delta$  indicates a gap in perceptions between PIs and researchers. A small  $\Delta$  indicates a consistency in perceptions, whether the responses are positive or negative.

<b>Demonstrate a Commitment to Safety</b>	<b>Responses</b>	<b><math>\Delta</math></b>
PI omits safety rules/regulations considered less important.		
PI has established clear rules/restrictions for working alone in the lab.		
PI enforces safety rules established for the lab.		
PI prioritizes safety over research results.		
I am comfortable approaching a colleague working unsafely.		
There is a clear communication of safety responsibilities between PI and researchers.		
My principal investigator/supervisor sets a good example of safety in the lab. <i>(Researcher survey)</i>		*
<b>Assess and Plan for Hazards and Risks</b>		
Prior approval is required for new hazardous materials or experimental procedures in my lab.		
Documented hazard identification and risk assessments are performed for all new experimental procedures and when hazards change.		
Written procedures that include safety are available for the experiments performed in my lab.		
I am encouraged to re-evaluate existing procedures and make changes to improve safety when needed. <i>(Researcher survey)</i>		*
My principal investigator/supervisor reviews my research procedures to ensure hazards and risks are addressed. <i>(Researcher survey)</i>		*
<b>Implement Controls</b>		
Personal protective equipment that is required to work safely is available in my lab.		
I wear/am encouraged to wear long pants and closed toe shoes when I am in the lab.		
I wear the required protective equipment when I am working in the lab.		
<b>Complete All Safety Training</b>		
Training on proper and safe use of lab equipment is provided before lab members are allowed to use it.		
Training on handling specific hazardous materials is provided in my lab.		
I/PI ensures all researchers in lab receive training necessary to work safely before beginning work with hazardous materials/equipment.		
I maintain documentation of all laboratory-specific training (training on equipment, hazardous materials, experimental processes, etc.). <i>(PI survey)</i>		*
<b>Strive for Continuous Improvement</b>		
Lessons learned from lab accidents and/or near misses are discussed in my lab.		
Members of my lab/I can report or address unsafe conditions without fear of reprisal.		
I encourage/I feel comfortable reporting safety issues even if it costs money or delays research.		
Safety mistakes are an opportunity to learn rather than to find fault or blame.		
I/my PI provides feedback about lab members/my safety performance.		

### % of Positive Responses (All responses combined)

●  $\geq 85\%$      
 ◐ Between 75-85%     
 ◑ Between 65-75%     
 ●  $< 65\%$

### Difference between PI and Researcher Responses

●  $\Delta \leq 10\%$      
 ◐  $\Delta$  Between 10-15%     
 ◑  $\Delta$  Between 15-20%     
 ●  $\Delta > 20\%$

\* There was no comparison question