

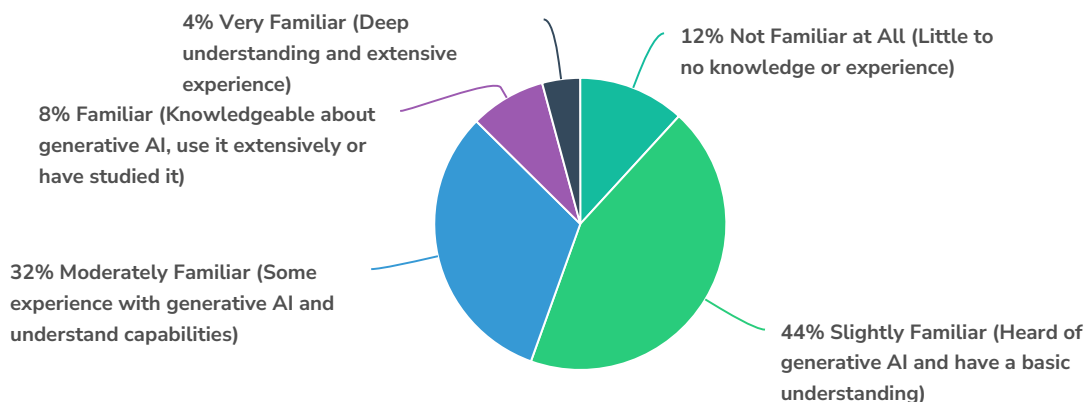
Report for Advisory Group May Pre-Pulse Survey

Response Counts



Totals: 119

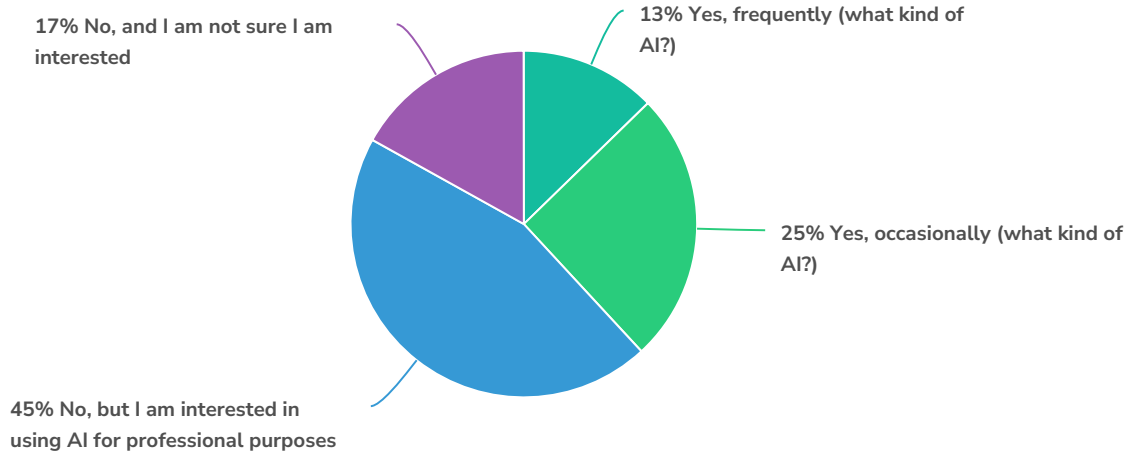
1. How would you rate your familiarity with generative Artificial Intelligence (AI)? (For example: ChatGPT, Copilot, Gemini)



Value	Percent	Responses
Not Familiar at All (Little to no knowledge or experience)	11.8%	14
Slightly Familiar (Heard of generative AI and have a basic understanding)	43.7%	52
Moderately Familiar (Some experience with generative AI and understand capabilities)	31.9%	38
Familiar (Knowledgeable about generative AI, use it extensively or have studied it)	8.4%	10
Very Familiar (Deep understanding and extensive experience)	4.2%	5

Totals: 119

2. Have you ever used generative AI technologies in your professional practice?











Value	Percent	Responses
Yes, frequently (what kind of AI?)	12.7%	15
Yes, occasionally (what kind of AI?)	25.4%	30
No, but I am interested in using AI for professional purposes	44.9%	53
No, and I am not sure I am interested	16.9%	20


Totals: 118

Yes, frequently (what kind of AI?)	Count
ChatGPT	2
CHat GPT	1
CHat Gpt	1
Chat GPT, Google Bard	1
Chat gpt	1
Chat gpt, video monitoring	1
ChatBGT	1
Copilot, Chat GPT	1
Generative AI	1
Grammarly	1
Mostly ChatGPT	1
Resource development ideas	1
We build risk models with AI pretrained modals	1
test response	1
Totals	15

Yes, occasionally (what kind of AI?)	Count
ChatGPT	7
Chat GPT	2
.	1
Bots	1
CHATGPT, COPILOT	1
CHATgpt	1
Chat GPT for policy authoring	1
ChatGPT Feature to develop written content	1
ChatGpt	1
ChatPG and Copilot	1
Chatgpt	1
Co-pilot	1
Data	1
Gemini	1
Grammarly	1
Ideas for an blog as initial research	1
Pre-task planning	1
Simpleshows Training	1
Writing/Proof Reading - or Helping to start a message and then picking it apart	1
chat gpt	1
generative	1
magic rewrite in Canva	1
phone photo searches	1
Totals	30

3. First, order from greatest value (#1) to least value (#9) the benefits of Safety and AI

Item	Overall Rank	Rank Distribution	Score	No. of Rankings
Predictive Analytics	1		715	107
Enhanced Risk Assessment and Management	2		651	108
Accelerated Learning and Development Tools	3		630	106
Leading Indicators	4		556	106
Continuous Improvement	5		533	107
Enhanced Safety Protocols	6		489	105
Enhanced or Augmented Decision-Making	7		481	104
Remote Monitoring and Control	8		435	106
Incident Response	9		322	106



 Lowest Rank Highest Rank

4. Second, in the Comments - Please list anything that is missing from the list and/or any additional insights you would like to share with the Board on the benefits and value of Safety and AI

ResponseID	Response
5	Don't be afraid of ai, embrace it as another tool in the box
15	Ethical use
16	Clear ethical guidelines are a critical yet still missing step before A.I. is fully embraced.
17	It has the ability to assist the user in many different ways. It will not replace the human expertise, but it can analyze data and information at a pace that a human can't. This will save time and allow for the data to be dissected in more ways.
18	-
19	I use it a lot to help with verbiage when writing policies and company wide emails.
22	None
27	Drafting writing outcomes to save time
28	Employee benefits
33	Possibly self-development
35	System unit integration and performance prediction
39	How about human experience? Seems we rely too much on machines.
40	Safety Management Systems
42	I do not see any value to using AI
43	Saves downtime and cost of accident
45	N/A
46	I am very concerned about over reliance on AI, and by how easily it can be manipulated.
49	General admin. task - writing reports/emails and assisting with goals and strategies.
60	It's difficult to assess the above given how little information is provided - what's meant, for instance, by "leading indicators"??

ResponseID Response

62 AI could greatly enhance the quality of work being generated in our industry. Professional Development would be a growth area

63 I'm against and do not see value.

66 None

68 Help build the framework for safety messaging

69 None

70 Real time

73 product development

75 I think the most impactful is the objective analysis of risk leading to predictive analytics allowing for faster, more effective decision-making.

84 Along with decision making, ability to take large amounts of diverse data and provide trending

85 be careful to not become the movie Idiocracy

88 Technical writing

89 NA

97 AI as a tool for policy writing and proposal writing

99 N/A

103 not trusting in AL

105 Discuss error response when AI is providing incorrect information

107 Not sure

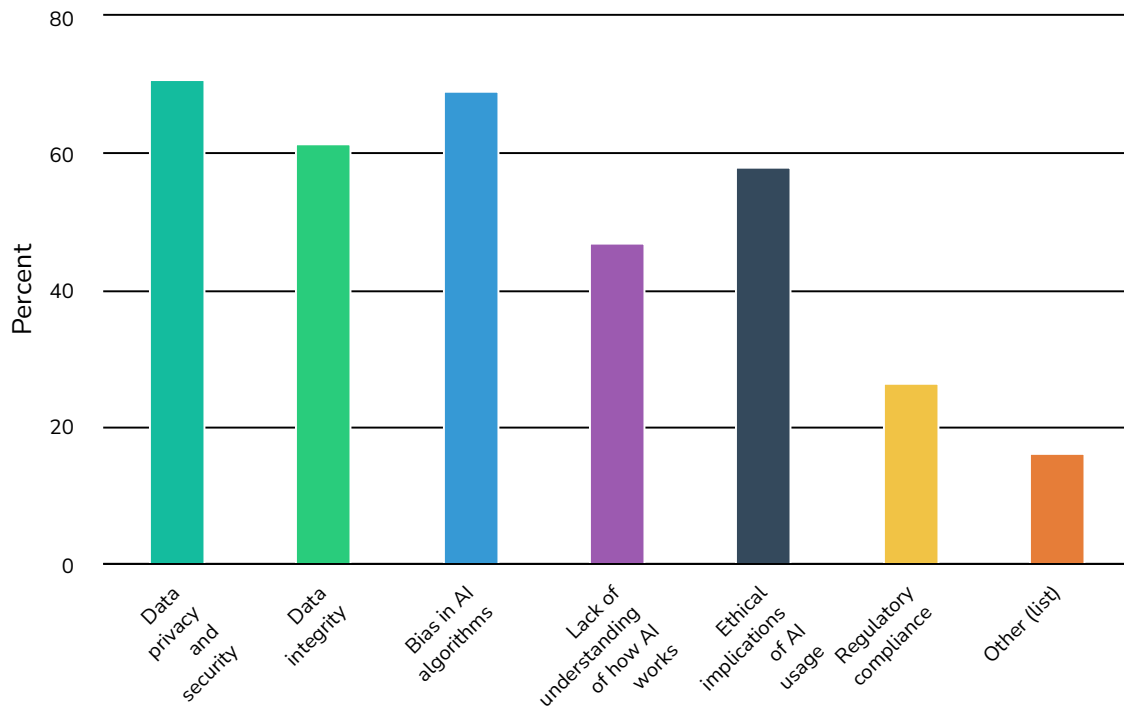
109 AI can be used to analyze mass information on incidents to predict what are the major loss drivers for industries.

110 Access control & Security

111 Latest Trends

117 safety professional will be a project manager

5. What concerns, if any, do you have about using AI for generating occupational safety, health and wellbeing information (Select all that apply)



Value	Percent	Responses
Data privacy and security	70.9%	83
Data integrity	61.5%	72
Bias in AI algorithms	69.2%	81
Lack of understanding of how AI works	47.0%	55
Ethical implications of AI usage	58.1%	68
Regulatory compliance	26.5%	31
Other (list)	16.2%	19

Other (list)	Count
1. The removal of the 'human' considerations. We don't always think so linearly and why people do what they do incorporates bias, pressures, culture i.e. subjective items. 2. The discounting of outliers or data not believed to be in alignment with the ideal model. 3. AI needs to be programmed by someone / data and that can introduce biases and limitations.	1
Errors in output	1
Fraud-still very new and some are taking advantage of that	1
Human Initiative Fade, Critical thinking loss	1
I think the quantity of information will be available as AI grows, but the quality of information is a major concern	1
Incorrect or inaccurate data	1
None	1
Personal integrity	1
Reliance on AI and potential impacts based on potential for loss of power, technological issues, loss of service provider. In a disaster do we want to be relying on technology that could fail?	1
Replacing the "human element"	1
Situations are usually gray and take human thought to manage.	1
Skynet :)	1
Taking advantage of people, predicting who will fail or succeed	1
The algorithms are only as good as the understanding of those who build the algorithms	1
Third party checks required again	1
Trust in what the data is telling us	1
absolutely ALL OF THE ABOVE	1
accuracy of products, rushing to utilize tech without fully assessing unintended consequences	1
n/a	1
Totals	19

6. First, order from greatest concern (#1) to least concern (#8) your concerns with Safety and AI

Item	Overall Rank	Rank Distribution	Score	No. of Rankings
Misleading or false information driving decision making	1		758	110
Ethical use or data bias (e.g. autonomous vehicles may not recognize less common scenarios such as pedestrians in wheelchairs or cyclists)	2		680	112
Unintended risks	3		645	111
Risk assessment not part of the AI design	4		540	108
Untested speed to market	5		516	110
Wearables going awry	6		316	108
Reduced funding for OSH	7		274	106
Elimination of OSH jobs	8		238	105



7. Second, in the Comments - Please list anything that is missing from the list and/or any additional insights you would like to share with the Board on your concerns with Safety and AI

ResponseID	Response
11	sabotage
14	Many concerns!
15	Misinformation
16	.
17	The unintended risks are biggest threat, because this tech is advancing at such a pace, we don't have vision on the problems we are creating. I am not worried about jobs or funding at all, in fact I think this tech could potentially increase both.
18	-
19	In my industry it another one I would consider a risk, is for an employee to be involved in a chemical spill and working to clean it up, and look up information on ChatGPT or another platform instead of contacting the safety team.
22	None
28	Rejection by employees, especially older generation
33	None
35	All decisionmaking being based on AI recommendations rather than using Safety Professional Experience and Epiphany
39	Lack of morals and concern for the welfare of our coworkers.
43	Reduction in the use of natural thinking ability of safety professionals
45	N/A
48	1. Unpredictable nature of accidents and emergencies including the many variables. 2. Need to make "human" judgements. 3. Risk of AI creating unknown exposures. 4. What happens when a new or unknown risk is introduced?
64	It has already been shown to provide made up citations/data. Also no control over algorithms which may have bias (intentional or unintentional or self-generated) with potentially no way to determine the bias.
66	None

ResponseID Response

69 None

75 Reliance on information that isn't fully vetted as true/factual will lead to erroneous decision-making

89 NA

99 N/A

105 None

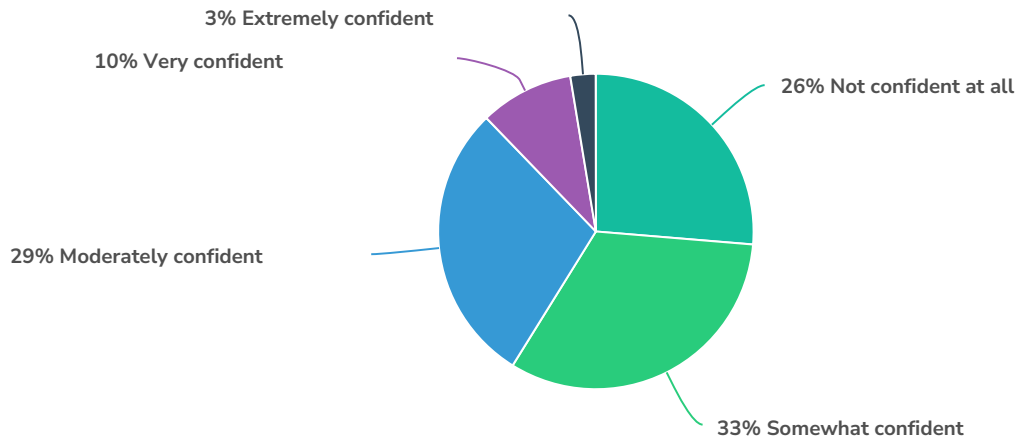
107 None

109 Data integrity like the video said. Humans should be responsible for the facts and it may be biased. There should be a system of validation of the information

110 lack of knowledge of AI tools

117 n/a

8. How confident are you in your ability to meet your organization's expectations related to generative AI?



Value	Percent	Responses
Not confident at all	26.3%	30
Somewhat confident	32.5%	37
Moderately confident	28.9%	33
Very confident	9.6%	11
Extremely confident	2.6%	3

Totals: 114

9. Please share any additional thoughts you have on the impact of AI on professional safety practice (100 word limit)

ResponseID	Response
2	test response
7	Being agile and open to growth mindset of using AI, but at the same time exploring all aspects of AI before adopting its use.
8	We need more training on how this can help us.
11	Powerful both good and bad - we need to have practical examples of how to leverage and protect against.
14	This is unfortunately going to be something we cannot avoid for better or worse. Seriously concerned about unintended consequences.
15	Could have significant impact. Need to be controlled to minimize significant negative impact. It can be a tool that cab be very helpful
16	.
17	AI is set to revolutionize the health and safety profession by streamlining risk assessment, predicting potential hazards, and improving incident response. Through data analytics and machine learning, AI can analyze vast amounts of safety data to identify patterns, detect anomalies, and recommend preventive measures. It has the potential to automate routine tasks like safety inspections and compliance monitoring, freeing up human resources for more strategic roles. AI-powered tools also enable real-time monitoring of workplace conditions and provide personalized safety training. Ultimately, AI will enhance decision-making, reduce workplace risks, and help foster a safer and healthier environment for employees.
18	-
19	I'm still a little apprehensive and fear it will remove a lot of the thinking and problem solving that humans used to do. I know that's essentially the design, but there are still a lot of variables that humans need to have input on when problem solving.
22	None
31	As a powerful tool AI can improve real-time monitoring, tailor training to the individual's skills and knowledge, assist with data analysis
33	Lots of opportunities to grow but also no boundaries.

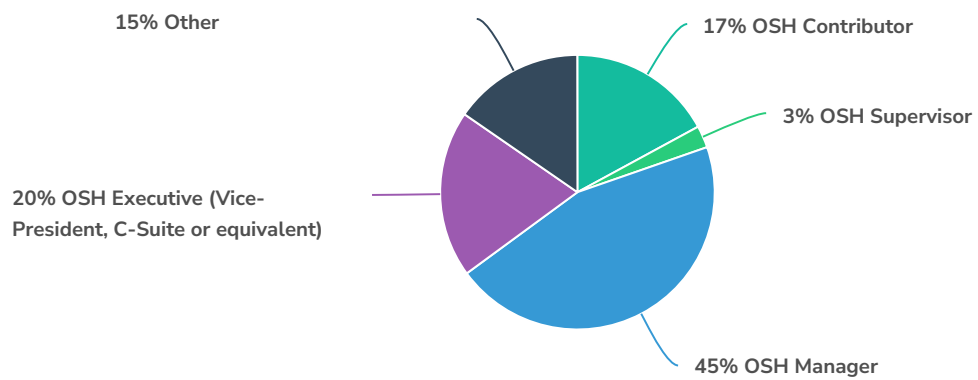
ResponseID Response

- 35 AI is being rushed to market. For example., AI predicting heat stress, but can't account for the level of an individual's level of acclimation. 'Ergonomic risk' being determined only by angle without interpreting angle in reference to the anthropometrics of the individual being indicated at risk. There are many many more.
- 36 Could begin to write our programs and policies. Could support mass data mining but that requires immense data Massive issues with trust of the data.
- 39 I agree that we need additional measures to assist with safety protocols and implementation but if machines control everything then we lack compassion and welfare for others.
- 43 While Ai will help in the ease of job flow and process, on the other hand it may make many safety professionals redundant
- 44 Much research and training is needed.
- 45 I do not believe AI is anything we should be using. There are too many risks and unknown consequences to consider.
- 46 While it has some benefits, we should push back hard against an over reliance on AI to manage safety and health. It often shows inaccurate results, and this can blind people to serious risks or hazards that would only be caught through human observation and conversations. AI also lacks imagination and initiative in solving real world issues
- 48 AI in safety should be utilized as a tool but not relied on to perform the complex process of managing safety. In an interview with ABC News on May 8, 2024, Microsoft CEO, Nadella, stated that Generative AI is meant to be an assistant.
- 49 I believe it will help simplify and reduce the busy work. There always be a need for a person but AI will just change the work.
- 55 Still in formative stages. If used for trend analysis and risk management, I think AI could be a very powerful tool. I think other applicaitons will require further analysis and development.
- 59 Companies should develop IT internal approval for which to use on maintaining information and privacy. Also developing a library with prompt engineering is something that internally we have and I see the benefit to get more out of using AI.
- 60 Very concerned about what we don't know we don't know, and prematurely relying on this technology to save money/time/other resources when it's untested.
- 66 It's the future, so as a profession we need to learn and embrace the technology to leverage its benefits.
- 74 My main concern is non safety professionals relying 100% on AI and not knowing enough to know when it is bad information.

ResponseID Response

75	This is an area that terrifies me. Leadership wants to move fast on integrating AI into EHS decision-making in the spirit of simplifying and reducing waste, but doesn't always see the risks or unintended consequences. It's a bit of a "go do" reaction to new, yet unvetted technologies.
84	I think we are not certain of the impacts as we have not seen the full potential of AI. My biggest concern is the unintended consequences that may be as a result of AI use in Safety.
88	There doesn't seem to be a singular source for work instructions on how to utilize AI
90	It could be a useful tool but because of all the human factors and management system factors that must be considered for creating safe environments, I see challenges to having it "learn" in a meaningful way.
99	N/A
100	Have very little experience with AI
103	Lack of common sense, application and interpretations to regulations, procedures and best practices.
105	Groups such as FactorLab are leading providers of AI services in the OSH. Support the idea of an AI symposium to educate OSH practitioners
107	Many osh folks will not see AI as a concern until a regulatory body finds issues with its use
109	I think AI needs to be considered as a tool that will enhance our capabilities. A lot of tedious tasks that is time consuming can be eliminated. However, humans should still be the ones that strategically use the information.
110	We are in the advanced stage of AI applications for remote monitoring of our operations including crew compliance to PPE, loan worker tracking, employees positions / placements on the rig floor etc.
111	AI use may be limited by strict IT protocols which will limit use or delay rollout of key elements needed as part of AI Inputs.
114	My employer has prohibited AI use.
116	There are ways to use AI to enhance a safety program but there is still a need for professionals to manage the hazards and risks of the work place.
117	safety professional will become a project manager

10. What is your role?

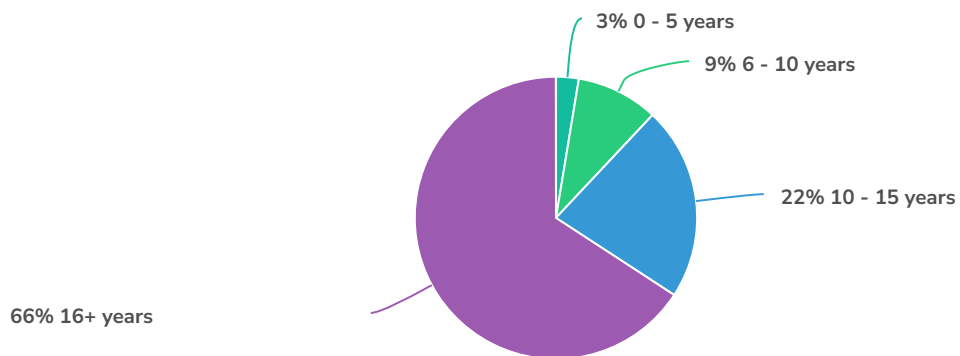


Value	Percent	Responses
OSH Contributor	17.1% 	20
OSH Supervisor	2.6% 	3
OSH Manager	45.3% 	53
OSH Executive (Vice-President, C-Suite or equivalent)	19.7% 	23
Other	15.4% 	18

Totals: 117

Other	Count
Consultant	3
Assurance Manager	1
Consultant	1
Director of Risk Management	1
Director, Process Safety Certificate Program	1
Lead Chemical Engineer - PSM Leader	1
OSH Director	1
Owner/Manager	1
Principal Consultant	1
Principal Consultant	1
Retire OSH Exec.	1
Senior Loss Control Consultant	1
Technical Director (content and service developed)	1
Territory manager	1
consultant	1
retired	1
Totals	18

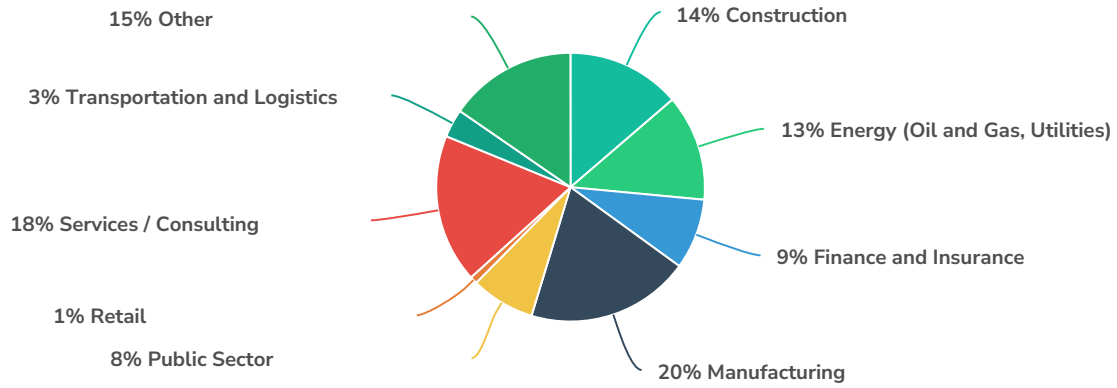
11. How long have you been a safety professional



Value	Percent	Responses
0 - 5 years	2.6%	3
6 - 10 years	9.4%	11
10 - 15 years	22.2%	26
16+ years	65.8%	77

Totals: 117

12. What sector do you work in?

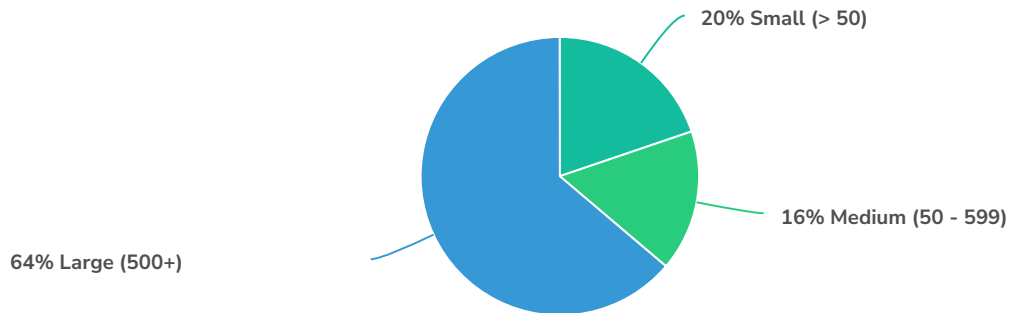


Value	Percent	Responses
Construction	13.7%	16
Energy (Oil and Gas, Utilities)	12.8%	15
Finance and Insurance	8.5%	10
Manufacturing	19.7%	23
Public Sector	7.7%	9
Retail	0.9%	1
Services / Consulting	17.9%	21
Transportation and Logistics	3.4%	4
Other	15.4%	18

Totals: 117

Other	Count
Research and Development	2
Biotech	1
Chemicals	1
Consultant in all areas	1
Education	1
Education	1
Education but consult in many others	1
Ergonomics	1
HAZMAT Emergency Response	1
Higher Education (Engineering)	1
Mining	1
Non-profit organization	1
RYD	1
Research and Development Lasers	1
Utility	1
Wholesale Trade	1
education	1
Totals	18

13. What is the size of your employer?



Value	Percent	Responses
Small (> 50)	19.8%	23
Medium (50 - 599)	16.4%	19
Large (500+)	63.8%	74

Totals: 116