

7th CCPS Canadian Regional Meeting

07 - 13 Sep 2022

Poll results





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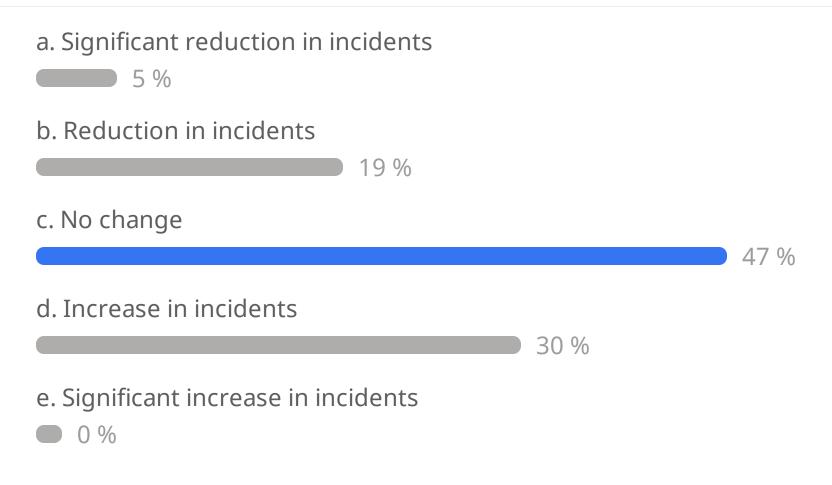
- 1. How did your company's process safety incident rates compare from 2020 to 2021?
- 2. What types of activities did you perform remotely? Check all that apply.
- Question 3
- 4. In general, what percentage of near-hits do you think are reported for your company / site?
- Question 5
- 6. What percentage of your near-hits are investigated and how are they followed up?





1. How did your company's process safety incident rates compare from 2020 to 2021?

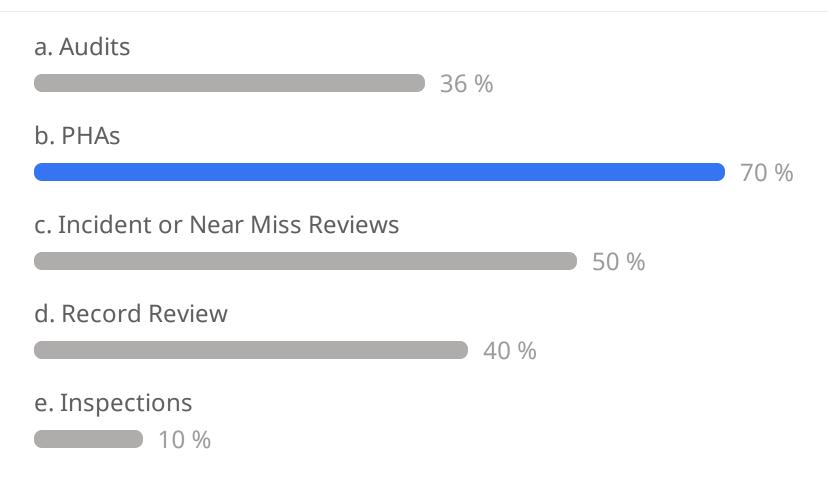






2. What types of activities did you perform remotely? Check all that apply.





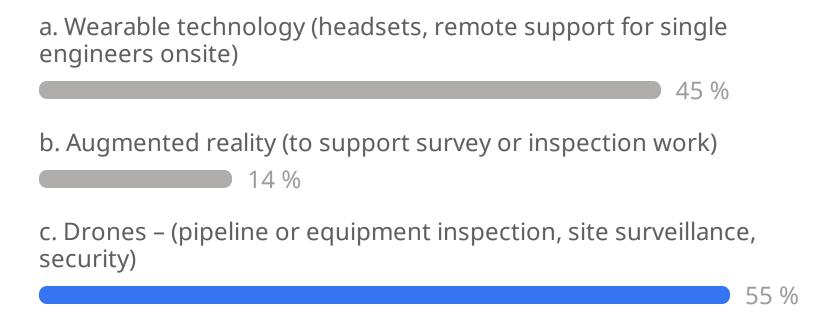


Question 3 (1/2)

d. Other

0 4 2

3a. What technology have you added or expanded to support your employees?





Question 3 (2/2)



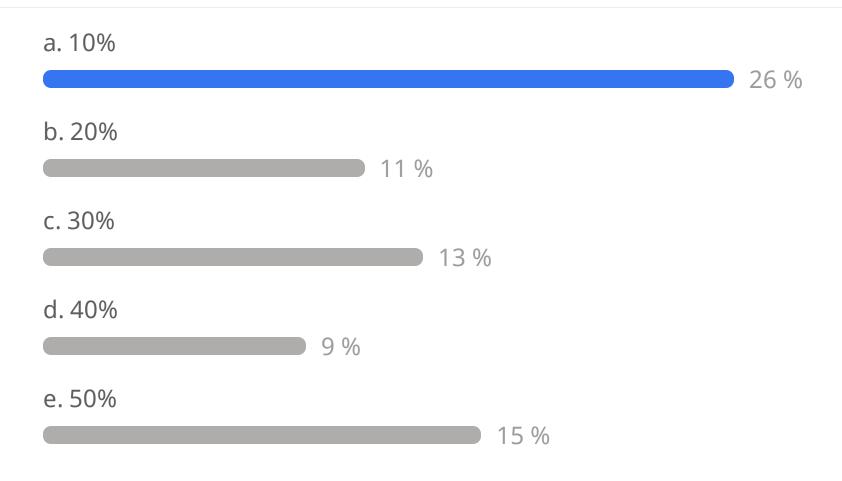
3b. If you've used other technologies, what are some examples?

Mobile tablets
Robot for cleaning tanks
Robots Zoom Enablon
Video in field
IPhones for Turnarounds
AI powered leak detector



4. In general, what percentage of near-hits do you think are reported for your company / site? (1/2)







4. In general, what percentage of near-hits do you think are reported for your company / site? (2/2)



f. 50% to 75%

22 %

g. 75% to 100%

4 %



Question 5 (1/2)



5a. What analysis techniques have you used to learn from near-hits?

a. Machine learning (Deep learning via multilayer artificial neural nets) 9 % b. Big Data analytics (Continuous DCS data) 19 % c. Big Data analytics (Discrete events and continuous data together) 23 % d. Fuzzy logic 33 % e. Other 40 %



Question 5 (2/2)

0 1 6

5b. If you've used other analysis techniques, what are some examples?

Manual analysis of small

Rely on individual memory

Spreadsheet

Excel spreadsheet

Nothing

PowerBI UnknownNot applicable

Corporate memory



6. What percentage of your near-hits are investigated and how are they followed up?



