

**Attachment C2 - Mine Escape participants: Pre-Training Questionnaire**

1. Age \_\_\_\_\_

2. Gender:  Male  Female

3. How many years of experience do you have...

As a miner? \_\_\_\_\_

At your mine? \_\_\_\_\_

In your current job? \_\_\_\_\_

4. Which of the following training materials and methods does your mine use for your mine rescue team training? (check all that apply)

- Lectures
- Written materials
- Videos
- Self-guided interactive computer programs
- Demonstrations
- Hands-on training exercises
- Group exercises (e.g., games, problem solving)
- Classroom simulations (e.g., virtual reality)
- Worksite simulations
- Narrative story telling

5. Do you have training or experience with any of the following? (check all that apply)

- Volunteer fire fighting
- Professional fire fighting
- Military emergency response
- EMT/Paramedic
- Mine fire brigade
- Mine rescue team
- Mine responsible person
- Evacuating a mine due to a mine emergency
- Other emergency response related training/experience:

6. Have you ever experienced a virtual reality environment before today?  No  Yes

7. How often does your mine hold safety meetings (e.g., "toolbox talks")? (check one)

- Less than once a month
- Once a month
- Once every 2 weeks
- Once a week
- Several times a week
- Daily
- Several times a day

8. Of all the people training with you today, how many do you interact with AT LEAST once a month outside of work and/or training?

- None
- Maybe 1 or 2
- About half
- Most
- All

**Place an "X" in the appropriate box.**

**On average, how often do the people in your VR team...**

	Not at all	Once in a while	Sometimes	Fairly often	Frequently or always
9. See each other at work?					
10. See each other outside of work or training?					
<b>How often do you...</b>					
11. Play video games? (e.g., computer, Xbox, Playstation)					
12. Spend time on the computer? (e.g., work, internet, games)					

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*Place an "X" in the appropriate box.*

	Strongly Disagree	Disagree	Neither	Agree	Strongly Agree
13. Even though mine emergencies are rare, I need to be as prepared as I can.					
14. It is important to be prepared for a mine emergency.					
15. It is important to put in extra effort toward improving my mine's ability to respond to an emergency.					

*Place an "X" in the appropriate box.*

*Rate your confidence in the following areas, from "0" (Completely Unconfident) to "100" (Completely Confident)*

Completely Unconfident Completely Confident

0	10	20	30	40	50	60	70	80	90	100
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How confident are you that **your simulation team** could, if required, do the following **right now** in a real mine emergency?

	0	10	20	30	40	50	60	70	80	90	100
16. Make quick and effective decisions.											
17. Agree on solutions to difficult problems encountered.											
18. Readapt team strategy in response to unexpected changes in the environment.											
19. Assist with each other's responsibilities.											
20. Maintain clear and efficient communication.											
21. Monitor each other's work to catch mistakes and provide feedback.											
22. Maintain a level of trust and confidence in each other.											
23. Maintain a shared understanding of each other's responsibilities.											
24. Maintain coordination in performing the tasks at hand.											
25. Consider teammate input before making an action.											

In the upcoming simulation, how confident are you that **your simulation team** can evacuate from the mine...

	0	10	20	30	40	50	60	70	80	90	100
26. better than in your previous mine evacuation training											
27. almost perfect with reasonable time											
28. perfectly with record time											

How confident are you that **your simulation team** could complete the following **right now** without any mistakes?

	0	10	20	30	40	50	60	70	80	90	100
29. A mine evacuation scenario											
30. A mine evacuation scenario in a virtual environment											
31. Evacuating from a real emergency											

How confident are you that **you** could correctly demonstrate or explain the following to a new mine rescue team member?

	0	10	20	30	40	50	60	70	80	90	100
32. Properly don a SCSR											
33. Use a fire extinguisher											
34. Explain where the escape routes are located											
35. Explain the chain of command for reporting a mine emergency											
36. Explain your mine's emergency response plan											

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37. Explain your own role in the mine's emergency response plan	0	10	20	30	40	50	60	70	80	90	100
38. Explain where to report in the event of a mine emergency	0	10	20	30	40	50	60	70	80	90	100

<b>Place an "X" in the appropriate box.</b>										
Think about the mine where you work. Rate how much you agree or disagree with each statement below.	Strongly Disagree	Disagree	Neither	Agree	Strongly Agree					

<b>Mine management:</b>										
39. does a good job of emphasizing emergency preparedness.										
40. makes decisions that increase the likelihood of a successful response.										
41. prepares for how to handle emergencies before they happen.										

<b>My work crew:</b>										
42. is given the support and resources we need to prepare for an emergency.										
43. is encouraged to improve our emergency response skills and abilities.										
44. is provided extra training opportunities for interested crew members.										

<b>Our mine emergency training:</b>										
45. is usually realistic and "hands-on".										
46. Includes practice using the equipment we would use in a real emergency.										
47. has opportunities for constructive feedback from instructors.										
48. does a good job of preparing us for a real emergency.										

<b>At my mine:</b>										
49. Production is stopped if there is even a minor chance that an emergency could happen.										
50. Mine emergencies are thoroughly investigated no matter what delay it may cause.										
51. Preventing a potential emergency is more important than meeting a production goal.										

<b>In my work crew:</b>										
52. We regularly talk about the decisions and issues that would come up during a mine emergency.										
53. I would probably be made fun of or ridiculed if I asked questions about our emergency preparedness procedures.										
54. We remind each other of the need to be prepared for mine emergencies.										