

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?					
How often do you...					
11. Play video games? (e.g., computer, Xbox, Playstation)					
12. Spend time on the computer? (e.g., work, internet, games)					

Public reporting burden of this collection of information is estimated to average 3 minutes per response, including the time for reviewing and completing the collection of information. An agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a currently valid OMB control number. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden to CDC/ATSDR Information Collection Review Office, 1600 Clifton Road NE, MS D-74, Atlanta, Georgia 30333; ATTN: PRA (0920-xxxx).

Attachment C2 - Mine Escape participants: Pre-Training Questionnaire

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
--	---	----	----	----	----	----	----	----	----	----	-----

How confident are you that **your simulation team** could, if required, do the following **right now** in a real mine emergency?

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

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

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

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

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

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

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

Attachment C2 - Mine Escape participants: Pre-Training Questionnaire

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

Place an "X" in the appropriate box.										
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					

Mine management:										
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.										

My work crew:										
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.										

Our mine emergency training:										
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.										

At my mine:										
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.										

In my work crew:										
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.										