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# Showing and Sharing: Demonstrating Equipment-Based Training online

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#### Acknowledgements

 My fellow MWC members who produce "workarounds" and generously share their ideas

 Our trainers who have made online training work as best as they can in this challenging time

All of you



#### Who we are

- Equipment based training center at the University of Minnesota (MWC) Variety of equipment-based classes (40T, IER, Mold Remediation, Hospital Decon, Refreshers)
- Train across the state (Iowa-Canadian border) with variety of community organizations, private and public entities, Tribal Communities and Labor Unions.



#### MANY Challenges!

- March 18-UMN closed. Offered ERR via Zoom 3 days after this. (ZOOM is UMN online platform)
- Campus buildings closed-no access to equipment
- Instructors/Trainers limited/no proficiency with providing online training. (GREAT @ hands-on!)
- MN Geography-large state, limited bandwidth, variable internet connectivity in urban and rural areas



#### MANY Challenges-continued!

- Split of trainees working @ home vs in facilities = access divide for equipment -different from everyone attending in-person course on campus or at facility. Trainers-same issue
- Showing/sharing not the same as "doing". Singledimension environment, access to equipment and connectivity poses many limitations



## Baseline tools we used to engage participants

- 1:1 practice tutorials with instructors on using ZOOM.
- Tip sheet developed for ZOOM tools-chat, polling, how to mute, share screen, show equipment on screen, whiteboard, reaction, etc.-shared with instructors
- 1:1 tutorials with trainees requesting assistance with ZOOM
- Run through with instructors to id equipment they have access to/what they have at home/share on screen (N95, gloves, masks, disinfectants)
- Assign facilitator/co-host to EVERY ZOOM course-very important! (Monitor chat box, use breakout rooms, facilitate questions, share screen/whiteboards-staff intensive, but helps w/engagement)

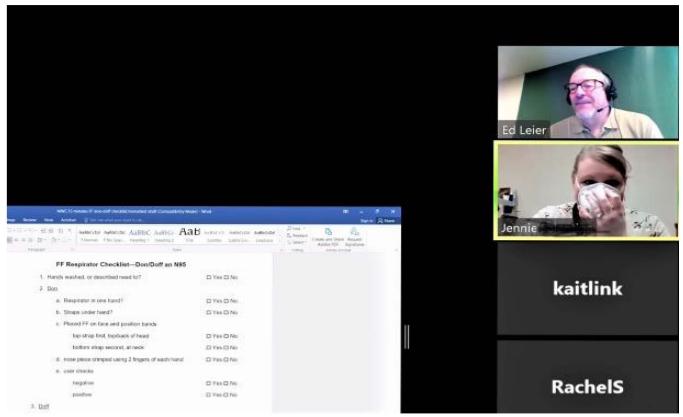


#### Tips for engagement with equipment-#1

- Ask participants (in advance) to bring what they have to classgloves, masks, gas monitors, disinfectants, hand sanitizer-great for exercises, review of procedures with class
- Allow lots of time for Q/A and discussion related to equipment-be aware of limitations of model familiarity, brand technical aspects (Scott/MSA, etc.) and usage among participants
- "Hands on" equipment video clips---embed links in chat to prevent lag and audio distortion-invite participants to view before class-toggle between sharing video and discussion



#### Equipment demonstration from training





#### Tips for engagement with equipment #2

Use Chat for: ERG Guidebook links, Reg/eval Second camera/selfie stick- walk form links, video links, apps – use asynchronously for group exercises-look up xx chemical and report back

**Zoom/Speaker View:** to identify equipment clearly

**Use Poll feature:** "How many people are on your emergency response team?"

Household items/Props

around/demo equipment while talking

**Lighting:** Ensure participants can see equipment labels, instruments, phone apps clearly

Whiteboard: Participants draw hot/warm/cold zones. Ask "Identify what items are in your spill kit?"

Post course Drills: Use what you've learned and share results, videos, etc.



#### Finally-

- Follow up with participants to share what has worked well. Some of our spring participants will be coming on campus in October for hands on completion of their 40-hour training- so we'll identify how much retention of online equipment concepts.
- Be patient with yourself and your trainers' abilities to demonstrate hands-on concepts on a screen.
- Keep experimenting! Use trainee evaluations and chat to identify what could be better.

