Key

\*\* comment \*\*

< audio >

\*\* Intro to Training Mode\*\*

<Intro> Welcome to EVAC, the virtual evacuation simulator.  For this simulation, you will be the bedside nurse of a critically ill patient who requires evacuation from the hospital during a disaster.  Your goal is to quickly and safely prepare your patient for evacuation by packing equipment and supplies you feel would be necessary for the situation.  You will be able to interact with the equipment, pack and unpack supplies, and move around the room as needed to accomplish your goal. You will have the opportunity to explore and practice in the virtual environment before entering the simulation.  Once you feel confident in your ability to move and interact in the environment, please let us know you are ready to leave the practice environment by clicking on the ventilator. By clicking on the ventilator, you are indicating that you are ready to provide hand bagged breaths, and signals the program to complete the scenario.

\*\*Technical instructions for Training Mode Demo\*\*

<picking up> To select an item, click on it. It will automatically be placed in your packed inventory.

<inventory>Click on the inventory button to view items in the inventory. Click on the inventory button again to close your inventory

<putting down> Click on the inventory button to view items that you have packed. To remove an item from your inventory, click on the item, if you need to pick it back up, go back into the room and click on it again.

<looking around> To look around, swipe across your touch screen or click and hold your mouse button, then move your mouse from side to side to drag the screen to the side.

<moving around> To move around the room, click on an arrow icon to move to that location.

<zooming> You can zoom in on an item like the infusion pump to view it more clearly by clicking on it. Click on it again to zoom out.

<speaking explanation> You may hear from other staff members during the simulation. If you are asked for a response please speak out loud. When you are done speaking click Next.

<closing browser> You can end the simulation at any time by closing your browser window.

<exiting training mode> When you have selected all the items you need and are ready to evacuate your patient, click on the ventilator next to the patient’s bed to disconnect the patient from the ventilator and begin hand bagging. The program will ask if you are ready to leave. Choose Yes to exit the simulation and receive feedback.

\*\* Intro to Active Mode\*\*

<sim disclaimer> Now that you are familiar with the environment you will be introduced to your patient and placed in the actual simulation environment.  You will receive further information about the situation during the simulation.  We acknowledge that simulation cannot exactly match for your work environment and work flow. Please do your best to act as you would in a real situation with the information and equipment given.  When you are ready to begin please press the Start button.

\*\* For ED simulation only\*\*

<signout ED1> So, I’m going to give you some signout. This is Jayden. He is a 2.5kg, 2 week old former 38 week old male infant. He presented to the hospital with fever and we think he has sepsis and shock. He became apneic during his initial evaluation and was intubated and placed on a conventional ventilator.  He is hemodynamically unstable and has received 40mL/kg of saline boluses with another 20mL/kg saline bolus running now.  He was started on a dopamine infusion for continued signs of shock and now has a stable blood pressure. He is receiving antibiotics via an IV as we speak.  He is currently on dextrose containing maintenance IV fluids for some initial hypoglycemia which is now stable. He has received sedation and is minimally responsive.  Jayden is currently awaiting a bed in the neonatal intensive care unit. His mother has just stepped out of the unit to make a phone call.

\*\* For NICU simulation only\*\*

<signout nicu> I’m going to give you some signout on Jayden. He is a 2.5kg, 2 week old ex 38 weeker. He is a male and he presented to the hospital with fever, sepsis and shock. He became apneic during his initial evaluation in the ED and was intubated and placed on a conventional ventilator.  He is hemodynamically unstable and has received 40mL/kg of saline boluses and has an arterial line for blood pressure monitoring.  He was started on a dopamine infusion for continued signs of shock and now has a stable blood pressure. He is receiving antibiotics via his IV as we speak.  He is currently on a dextrose containing maintenance IV fluids for some initial hypoglycemia and is now stable. He has received sedation and is minimally responsive.  Jayden is just getting settled into the neonatal intensive care unit after admission from the ED. His mother has just stepped out of the unit to make a phone call.

<large earthquake> <http://freesound.org/people/LoafDV/sounds/148002/>

<scream> <http://freesound.org/search/?q=219859>

\*\*Lights off, loud crashing noises, glass breaking, people screaming, lights come on in the room giving participant a few moments to look around\*\*

<Phone rings>: <http://freesound.org/people/cbakos/sounds/50646/>

<Charge nurse phone 1a> This is Elaine the charge nurse, there has been a major earthquake. Are you or your patient injured? Is there any damage to your room?

Charge nurse phone 2: A code yellow is being activated and all communication should go through me as the code yellow Area Leader for our unit.  Our unit has sustained major structural damage and we have multiple staff injured. I have reported our status to the EOC, the Emergency Operations Center.  We have the order to evacuate from the  EOC to evacuate so that we can protect the patients, family, and staff.  Please prepare your patient for evacuation to the Ocean Clinic lobby where we will have shelter but minimal electricity and equipment due to damage to the building. Pack any necessary equipment and supplies for your patient. The pathway to the lobby is clear so you may move your patient on the bed.  With some staff injured we are spread very thin so you will need to work alone.  When you are ready to go, disconnect from the ventilator and hand-bag your patient as we do not have staff to push the ventilators.  Once you are packed and hand-bagging your patient you can move out.

<repeat back> Please do a repeat back of my instructions.

\*\*When ventilator is selected\*\* <ready to end> Are you packed and ready to evacuate your patient?  Press Yes to end the simulation or No to continue packing  
 Yes -> go to feedback script (if first run) or final script (if second run)

No -> return to room to complete packing

Feedback script (no audio):

Thank you for preparing your patient for evacuation.  This simulation looks both at the equipment you packed for the evacuation as well as the time it took to be ready to evacuate. For this scenario you were ready to evacuate in XXmin XX seconds.  The goal is to have critically ill patients ready for evacuation within 5 minutes of the notification to evacuate.  We will now review the equipment you packed. The lists of high and low priority equipment were determined by a panel of expert nursing staff in your unit and are scored based on their likelihood of utility for caring for this patient in this scenario.

High priority highlight screen: You collected X/X high priority items for evacuating your patient.  Please take a moment to look around you in the room to see the highlighted high priority items that you need to remember to take next time.

Low priority highlight screen: You also collected X/X low priority items; these items are less likely to be helpful in these types of disaster scenarios and may take extra time to pack, delaying the time to evacuate.  Take a minute to look around at the highlighted low priority items that can be left behind next time.

<endmessage>

Great job evacuating your patient with all the items needed in an emergency!  Your patient was safely evacuated and his family thanks you for your hard work in saving their son.  The scenario is now complete and you may exit the program. Please fill out the post-simulation survey to tell us about your experience.

For questions about this activity please contact the NEST program at [www.nestprogram.org](http://www.nestprogram.org).