

# RITN Functional Exercise

## Master Sequence of Events List

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# RITN Exercise Master Sequence of Events List

#	Date/Time	Description	Responsible Controller	Recipient Player(s)	Expected Outcome of Player Action	Notes for Simulator
	4/11/16	Day 1: Pre Exercise Information				
1.	4/11/16	News Report on Incident	SIMCELL	Players	Review RITN activation plans	Give Day 1 “AP” article to participants (Attachment 1)
2.	4/11/16	This is an exercise. A large explosion has occurred in downtown Atlanta, Georgia. Witnesses on scene report seeing a mushroom cloud rising over the city. The State will be assessing the impact on our local healthcare. The SEOC may be activated if needed. Further updates will be provided when more information is known.	SIMCELL	Players	Assess local situation and ability to respond	
	4/12/16	Day 2: Pre Exercise Information			Initial heads-up from NDMS/RITN	
3.	4/12/16	RITN Alert Message	RITN/ SIMCELL	RITN Alert recipient list	Alert internal staff and submit capabilities report through HealthCare Standard	Send Attachment 2
4.	4/12/16	News Report on Incident	SIMCELL	Players	Review RITN activation plans	Give Day 2 article to participants (Attachment 1) Radiation Level decreasing <sup>1</sup>
	4/13/16	Day 3: Pre Exercise Information				

<sup>1</sup> For every seven-fold increase in time following a fission detonation (starting after 1 hour), the airborne radioactivity decreases by a factor of about 10. Thus, after 7 hours (following hour 1), the residual radioactivity decreases to about one-tenth its level at 1 hour after the detonation. This rule of sevens corresponds to an approximate t-1.2 scaling relationship. Here, t is time after arrival of fallout in hours.

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5.	4/13/16	News Report on Incident	SIMCELL	Players	Review RITN activation plans	Give Day 3 "newspaper" article (Attachment 1) to participants
	4/14/16	Day 4: Pre Exercise Information				
6.	4/14/16	News Report on Incident	SIMCELL	Players	Review RITN activation plans	Give Day 4 "newspaper" article (Attachment 1) to participants
	4/15/16	Day 5: Pre Exercise Information				
7.	4/15/16	News Report of Incident	SIMCELL	Players	Review RITN activation plans	Give Day 5 "newspaper" article (Attachment 1) to participants
8.	4/15/16	This is an exercise. The MI Federal Coordination Center (FCC) has been placed on alert. It is anticipated that hospitals in the Atlanta, Georgia area may be evacuating patients to FCCs as soon as 72 hours. Please ensure your bed numbers are kept updated.	SIMCELL	Players	Bed count information updated	
	4/18/16 Play as if it is the 6 <sup>th</sup> day after the radiological release	Functional Exercise begins, 1 day prior to RITN patient and family arrival	HCC Controller	Players	RITN patient and family arrival triage/placement decision making (including patient family care planning), activating surge plans, and patient transfer planning activities	
9.	4/18/16	RITN Activation Message	SIMCELL	RITN Notification Recipients	Alert internal staff and submit capabilities report through HealthCare Standard	Give message from Attachment 2

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10.	10:00AM	This is an exercise. The FCC, i.e., patient reception area, has been activated. It is anticipated that hospitals in the Atlanta, Georgia area will be evacuating patients to FCCs within 24 hours. Request RITN hospitals submit a bed availability report by 10:15AM today. This is an exercise.	SIMCELL	Transfer Center	Bed count information updated by Transfer Center	Check to ensure that bed availability has been updated
11.	10:00AM	NDMS Activation message: "This is an exercise. This is the FCC in Detroit with a RITN National Activation. Activate your RITN response procedure. This is an exercise."	FCC Call-In	IC	Notify Executive-on-Call and Incident Commander Page Bed Management/Patient Information Supervisor	
12.	10:05AM	This is an exercise. Family that was at a wedding near Atlanta, Georgia arrives in the Emergency Department.	SIMCELL	Players	Contact Radiation Safety and Emergency Department Supervisor. Establish triage and treatment procedure. Evaluate need for decon.	
13.	10:10AM	This is an exercise. Personnel in the Emergency Department are concerned about radiological contamination from disaster victims.	SIMCELL	Players	Request Safety Assessment from Safety Officer. Consider education briefing.	
14.	10:15AM	This is an exercise. First planeload will arrive tomorrow morning. We expect several more planeloads to arrive tomorrow as well. Please check back frequently as things will need to be fluid.	FCC to call in message	IC	Inform HCC	Pass per NDMS protocol
15.	10:15AM	This is an exercise. Determine types of medications that should be on hand for BMT/post-radiation exposure treatment.	SIMCELL	Pharmacy	Report back on pharmaceuticals	
16.	10:15AM	This is an exercise. Be aware that many patients and families headed to MI are non-English speaking and translators need to be available that speak may different languages.	FCC Call in	Players	Identify how SH will deal with the influx of non-English speaking individuals	

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17.	10:20AM	This is an exercise. The nursing line is overwhelmed with calls related to the radiation incident in Georgia. Some local residents are asking if they can come in to get tested for radiation contamination as they were in Georgia at about the time of the explosion. Where can we refer them?	SIMCELL	Players	Determine procedure	
18.	10:20AM	This is an exercise. The FCC is wondering when representatives from Spectrum Health will be arriving at the VA hospitals in Detroit. Each RITN center usually sends 1-2 physicians to triage their patients as they arrive in Detroit from Atlanta.	FCC to call in message	IC	Names of Drs. that will be traveling to Detroit as well as ETA	
19.	10:20AM	This is an exercise. Meijer Heart Center had a visitor approach the front desk and then vomit. The patient was in Atlanta during the explosion. She was referred to the Emergency Department but housekeeping staff is afraid to clean it up as it may be contaminated.	SIMCELL	Players	Address staff concerns and consider clearer signs for location of ED. Does area need a radiological survey?	
20.	10:25AM	This is an exercise. Bob's wife has set up a "fund me" page for him that includes photos. Updated tweets say that Bob will be arriving in Grand Rapids, MI International Airport separately and is waiting at Spectrum Health Butterworth. Media outlets have picked up on this and are arriving to set up and film his arrival. They insist that everything has already been arranged for the interview.	SIMCELL	HCC	Provide guidance	
21.	10:30AM	This is an exercise. Beginning to hear rumblings from staff that they may not be showing up to work tomorrow due to growing concerns about radiation exposure. Many believe that hospital executives are "lying to them about the risk"	SIMCELL	HCC	Informational materials	

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22.	10:30AM	This is an exercise. The ED is experiencing slowness with Cerner. Wants downtime.	SIMCELL	HCC		
23.	10:30AM	This is an exercise. Ambulatory patient with a service dog has been assigned to Spectrum Health Butterworth. Patient is very concerned about the effect of radiation exposure on his dog. Patient also wants to confirm that dog may remain with him throughout his stay in Grand Rapids.	SIMCELL	HCC	Raise concern about possible radiation exposure to dog and seek outside resources to assist with canine health.	
24.	10:40AM	This is an exercise. What if family members of RITN patients attempt to sleep in common areas, as they have no money to pay for hotels?	SIMCELL	Security Officer	Pass to HCC for discussion of issue	
25.	10:45AM	This is an exercise. Please update on In-house supply and regional supply of medications necessary for BMT/post-radiation exposure treatment: <ul style="list-style-type: none"> <li>- immunosuppression/induction medications</li> <li>- antibiotics</li> <li>- epoetin</li> <li>- Nupigen</li> </ul>	SIMCELL	Pharmacy	Report back on pharmaceuticals	
26.	10:45AM	This is an exercise. Have received information from Atlanta that we will be receiving several large family units tomorrow. Several single parents with ARS have no one to leave children with so they will be transported as well.	FCC to call in message	Players	Identify lodging for large families	
27.	11:00AM	This is an exercise. Need to look into other sources of medications: <ul style="list-style-type: none"> <li>- Wholesaler availability and plan for allocation</li> <li>- SNS</li> </ul>	SIMCELL	Pharmacy	Contact wholesaler and SNS, develop plan	
28.	11:00AM	This is an exercise. Evaluate current internal food supply for large influx of patients and	SIMCELL	Logistics		

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		their families.				
29.	11:00AM	This is an exercise. Spectrum Health Butterworth is seeing an increasing number of walk-ins who are complaining of feeling nauseous. Most have no other symptoms and have not been in Georgia. Their CBC is normal. This is an exercise	SIMCELL	Outpatient Supervisor	Discuss triage options and protocols Assess need for public affairs press releases	
30.	11:10AM	This is an exercise. Posts InSite blog: "Concerned about fallout from the disaster in Atlanta. Does our air quality testing include this?" "Where can we go to see if we have any radioactive contamination?"	SIMCELL	PIO	Create/implement media plan	
31.	11:10AM	This is an exercise. Locum Drs. Calling to offer their services	SIMCELL	HCC		
32.	11:10AM	This is an exercise. Review staffing, equipment, and resource needs	SIMCELL	HCC		
33.	11:15AM	This is an exercise. Long-term care facilities heard that Spectrum is getting a large group of patients from Georgia tomorrow; they state that they can take some of hospital patients that are not critical.	SIMCELL	Medical Operations Chief	Patient Discharge reaches out to long term care	
34.	11:15AM	This is an exercise. One of the ARS patients that will be arriving tomorrow is 9 months pregnant and expected to deliver any day. National and local news stations are requesting an interview and photos.	Media/ SIMCELL	PIO	Provide guidance	
35.	11:15AM	This is an exercise. Kent County Health Department is calling to discuss requesting additional G-CSF through SNS.	*Kent County Health Dept. call in*		Evaluate need for this pharmaceutical or potentially others	
36.	11:20AM	This is an exercise. EM is questioning whether American Red Cross has been contacted. They have the expertise to assist with locating housing, feeding and long term care and support of families.	*Kent County EM Call in if ARC has not been contacted*			



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37.	11:20AM	This is an exercise. Be aware that several patients will be traveling with family members that have significant health issues unrelated to the radiation incident.	SIMCELL	Patient Care Logistics	Identify how these additional health issues will be addressed	
38.	11:20AM	This is an exercise. Current patients have fears that they may get cross-contaminated by radiation from people coming from Atlanta. An increased number of patients scheduled for elective surgeries are calling to cancel appointment. Most often reasons given, opening room for others or concern for radiation exposure.	SIMCELL	Players	Assess the need for more public statement and scripting for staff. Assess staffing changes	
39.	11:25AM	This is an exercise. Region 6 Healthcare Coalition has received calls from several hospitals in our region offering to take patients with ARS when they arrive from Atlanta.	SIMCELL		If Spectrum Health becomes overwhelmed, could they train other hospitals to accommodate RITN patients	
40.	11:25AM	This is an exercise. Pharmacy is requesting more staff than usual due to the RITN activation tomorrow.	SIMCELL	IC	Identify if additional staffing will be necessary for order entry, patient profile review, and compounding of BMT medications	
41.	11:30AM	This is an exercise. Requesting repositioning of supplies such as blankets, stretchers, wheelchairs, pillows, and chairs.	SIMCELL	HCC		
42.	11:30AM	This is an exercise. Reporter in lobby is asking what the plan is for patient/family arrival.	SIMCELL	HCC	PIO responds to the reporter	
43.	11:40AM	This is an exercise. A call was received from the US Marshals Office reporting that one of the patients that may be arriving tomorrow is a convicted felon. The US Marshals were transporting this patient when they were exposed.	FCC to call in message	HCC	Notify Security regarding how they will handle this patient	

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44.	11:45AM	This is an exercise. If one of the RITN patients dies are there any special things we need to do? Any special considerations if radiation contamination is suspected?	SIMCELL	Morgue Unit	Determine process	
45.	11:45AM	This is an exercise. County Public Health is being overwhelmed with people asking about radiation monitoring and fallout from the blast here. Suggest forming JPIC.	*KC Health Dept. call in message*	PIO	Inform IC and PIO. Determine if there is any assistance that can be provided	
46.	11:55AM	This is an exercise. Local story on blog site indicates that Spectrum Health stores radioactive materials on-site. A large protest group (150 people) has surrounded one of the hospital buildings and is staging a protest in the lobby.	SIMCELL	Security Officer	HCC evaluates the need for perimeter control and the impact on lab work. PIO needs to assess how to address the issue.	
47.	12:00PM	This is an exercise. This is Metro Health. We heard that you are being asked to take patients through RITN. We have some bed availability. Can we help by taking some of your stable patients?	SIMCELL	Liaison Officer	Evaluate potential transfer to MCHS to open bed space	Ensure HCC determines if patients should be evaluated to transfer to Metro to open bed space
48.	12:00PM	This is an exercise. A large extended family has arrived in the hospital lobby. Their father/uncle/grandfather will be arriving for treatment tomorrow via the FCC-Detroit. All family members are requesting food and lodging.	SIMCELL	Players	Locate lodging	
49.	12:00PM	This is an exercise. Outpatient staff cost center called: they will be seeing an increase in patients, asking which cost center to use.	SIMCELL	HCC		
50.	12:10PM	This is an exercise. People are bringing food into the lobby "to help all those unfortunate victims coming from Atlanta."	SIMCELL	Donation/ Volunteer Management		
51.	12:10PM	This is an exercise. Family member arrives asking about a patient that was put on a	SIMCELL	Patient Arrival Area	Sent to Family Reunification Center	

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		military plane to Detroit, MI. Thought they might come here.				
52.	12:10PM	This is an exercise. High volume of ES call-ins	SIMCELL	HCC		
53.	12:20PM	This is an exercise. Distraught patient comes in worried about exposure to radioactive dust cloud. They drove through Atlanta on Tuesday. They didn't see a cloud but they know that radio waves are invisible.	SIMCELL	HCC	Refer to Social Workers (not affected)	They had been on vacation hiking and didn't hear the news until they came home.
54.	12:20PM	This is an exercise. What if RITN patient dies and we have no information on next of kin?	SIMCELL	Planning	Determine procedure	
55.	12:20PM	This is an exercise. A pediatric patient is going to be admitted to Helen DeVos Children's Hospital tomorrow. Parents have recently finalized an ugly divorce and the mother has a restraining order against the father. Separate accommodations are required.	SIMCELL	HCC	Separate accommodations are found	
56.	12:30PM	This is an exercise. NDMS FCC is anticipating at least two more planes than they initially expected with RITN patients. Please assess your ability to accept more patients and ensure your NDMS bed numbers are updated.	FCC call in	Transfer Center	HCC assess ability to free beds for disaster patients	Information if asked: Median time a casualty requiring intensive supportive care would be neutropenic (not those expected to go to transplant, just the 25% we expect to recover w/o transplant) 10-21 days
57.	12:30PM	This is an exercise. Superintendent of Grand Rapids Public Schools called; they will not accept any of these children into their school	SIMCELL	HCC	Create educational materials for GRPS that they will in turn share with	

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		"to protect the current student body."			current student body	
58.	12:45PM	This is an exercise. ARC is calling. People are showing up at their building to volunteer their time to help when the Atlanta victims arrive.	*ARC call in message*	HCC	Check into a volunteer reception center	
59.	12:45PM	This is an exercise. Local shelters are overwhelmed with individuals who have left Atlanta, GA and cannot take anymore.	SIMCELL	Family Assistance Center		
60.	No later than 1:15PM	This is an exercise. The RITN exercise has ended.	HCC Controller	Players	Stop play	
61.	No later than 1:15PM	"ENDEX the Exercise is over."	SIMCELL	Players	Conduct debrief and evaluation forms	
62.	No later than 1:15PM	The Exercise is over.	Head Evaluator	Evaluators	Complete EEGs and provide to Head Evaluator	

