

Wisconsin Division of Public Health      Wisconsin Society for Respiratory Care  
Hospital Disaster Preparedness Program    Disaster Preparedness Committee

## **State-wide Ventilator Surge Capacity Drill**

### **Purpose**

The purpose of this drill is to assess the ability of individual departments to implement the actions outlined in the Surge Capacity Plan for Ventilation of Critically Ill Patients. The drill will also assess the Mass Casualty Ventilation Training Program that was required of all participating hospitals.

### **Drill Components**

The drill has two components, a management survey and an at-table drill. The management survey can be done any time prior to the at-table drill. It is intended that the at-table drill can be done with groups of employees over the period of several days similar to regular staff meetings. It is the goal of this drill to have at least 80% of staff at each institution participate in this drill.

### **The Management Survey**

The management survey can be done at any time prior to the at-table drill. Please go to <http://www.quia.com/sv/167186.html> and enter in survey results.

### **The At-Table drill**

The at-table drill has 2 components. The first component consists of 4 scenarios to be read by the facilitator. We ask that the facilitator not be a department manager or supervisor if at all possible. Following each scenario is a list of questions. Please record the responses in the area provided. Each scenario should be able to be completed in 15 minutes. This should include time to answer questions and review the Surge Capacity Plan for Ventilation of Critically Ill Patients with the staff present.

**The at-table drill assesses the state-wide training program and not individual departments. Please record your responses prior to discussing the answers to the questions.**

Please record the responses on the form provided as you proceed through this drill. Feel free to use one copy of the scenarios for each group assessed if the drill is carried out with multiple groups.

Following the scenarios you will be asked to hand out a confidential questionnaire. Make as many copies of the questionnaire as needed. The questionnaire asks two questions that we want each staff member to answer as honestly as possible. For this reason we ask that

you have an envelope available for a staff member to collect the questionnaires. Please have the staff member mail the questionnaires. This is the best way we can assure truthful responses to the questions.

When you have completed all the sessions go to <http://www.quia.com/sv/167043.html> and submit the numbers that have been totaled from all groups.

The second part of the at-table drill is the assessment of the Mass Casualty Ventilation Training Program. You will be given 2 ten-question quizzes on the Wisconsin Surge Capacity Plan ventilators. Please have staff complete the quizzes without help. Their answers should be entered on the answer forms provided. Please mail all answer forms to the address below within 5 working days of completion of all sessions.

Bob Milisch  
Western Technical College  
400 N. 7<sup>th</sup>. St.  
P.O. Box C-0908  
La Crosse, WI 54601

## Scenarios

(complete 1 form for every session/meeting)

Number in attendance (not counting the facilitator): \_\_\_\_\_

**Note: The number of responses must equal the number in attendance.  
Individuals cannot opt out of a response.**

**Please read the following statement prior to discussing the scenarios:**

The state and the WSRC have developed this drill to assess the result of state-wide training and to assess the need for further training. Your responses will not reflect on you, this department or this hospital. Please answer each question as truthfully as possible.

Following the 4 scenarios, you will be asked to anonymously answer a two question survey. We ask that you answer those questions as honestly as possible. The survey will be collected by \_\_\_\_\_. They will be sealed and directly mailed to the committee assessing the drill. These questions will be used to establish state-wide trends and will not be reported to department management.

The last part of the drill will be a test of your knowledge of the two ventilators included in the Wisconsin Surge Capacity Plan. Please complete the quizzes and give the answer form to me as you leave.

The Wisconsin Hospital Disaster Preparedness Program and the WSRC thank you for your participation. We feel that Wisconsin has established itself as a leader in disaster preparedness and training – especially in the area of Respiratory Care. Your participation greatly aids in this process.

## Scenario 1

The RCS department is notified of a pandemic situation which will require a 50% increase of ventilators:

Questions	Number of employees knowing the correct answer	Number of employees not knowing the answer
Where will these patients be placed?		
Who do you call (1 <sup>st</sup> , 2 <sup>nd</sup> )?		
Do you have enough ventilators on hand?		
Where do you get more ventilators?		
What is the procedure to access more ventilators?		

**Discuss correct answers**

## Scenario 2

You are informed there are 2 patients who require mechanical ventilation but you only have 1 ventilator to use (2 pt. scenarios):

Mrs. Edwards: Mrs. Edwards is a 56 y.o. school teacher...

Brett Favre: Brett is a 48 year old retired athlete ...

Questions	Number of employees knowing the correct answer	Number of employees not knowing the answer
Does your hospital have written protocol/guidelines? If yes, is your specific ventilator triage plan different than the WI plan?		
What are your ventilator triage protocol/guidelines?		
Who would get the remaining ventilator?		

**Discuss correct answers**

## Scenario 3

3 Days later all your ventilators are in use, census is at 120% capacity, 30% of your staff are not able to report to work. You just received notification that your liquid oxygen supply is at 10% and you need to implement strategies to conserve oxygen:

Questions	Number of employees knowing the correct answer	Number of employees not knowing the answer
Do you have an oxygen conservation plan?		
Do you know the policy?		
Is your staffing adequate?		
Are there other services or “extenders” that can help? If yes, who are they?		
Does your hospital have a policy to address use of extenders?		

**Discuss answers:**

## Scenario 4

You get a call from WiTrac, they want to know number of available ventilators and circuits:

Questions	Number of employees knowing the correct answer	Number of employees not knowing the answer
Who do you call?		
What is WiTrac?		
How many circuits will you need to send with each ventilator?		
Would you be willing to go across the state to help out at another hospital during a pandemic?		

**Discuss answers**

## Confidential Questionnaire

In the event of an avian flu pandemic, there would be an increased risk of exposure to health care workers. It is speculated that some hospital personnel would opt not to risk exposing themselves and their families to the pandemic. How likely would you be to not report to work and protect yourself and your family? Be very honest in your response. Please select **only one** of the choices below.

\_\_\_ I would be very likely to stay home

\_\_\_ I would possibly stay home based on what I know at the time.

\_\_\_ I would definitely report to work as scheduled

In the event of a pandemic or disaster, you may be asked to come to work for an extended shift (up to 72 hours with short sleep breaks) or stay at work for an extended shift. Given your current family situation, including family support and child care, please choose your response to the three questions below that describe your ability to work an extended shift.

**Answer all three questions.**

\_\_\_ I would \_\_\_ would not be able to work an extended shift if I were already at work.

\_\_\_ I would \_\_\_ would not be able to work an extended shift if I were called to come to work.

\_\_\_ I would \_\_\_ would not be able to work an extended shift if I were given 8 hours notice to make arrangements.

## **Administer the ventilator quizzes**

What ventilator did your department select from the state?

VersaMed iVent  LTV 1200

## At-Table Drill Results Worksheet

Total number of staff participating in the at-table drill:	
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**Note: the numbers below must add up to the total above**

Question	Total number of staff knowing the correct answer	% of total knowing	Total number of staff not knowing the correct answer	% of total not knowing
<b>Scenario 1</b>				
Where will the patients be placed				
Who do you call 1 <sup>st</sup> , 2 <sup>nd</sup> ?				
Do you have enough ventilators?				
Procedure to access more ventilators				
<b>Scenario 2</b>				
Does your hospital have a triage plan?				
What are your triage protocols/guidelines?				
Who would get the ventilator?	# choosing Mrs Edwards	% choosing Mrs.E	# choosing Brett Favre	% choosing Brett
<b>Scenario 3</b>				
Do you have an oxygen conservation plan?				
Do you know the policy?				
Are there "extenders"?				
Does the hospital have a policy on extenders?				
<b>Scenario 4</b>				
Who do you call?				
What is WiTrac?				
How many circuits should you send? (5)				
Would you be willing to travel?	#Yes	% yes	#No	% yes

Go to <http://www.quia.com/sv/167043.html> to report results.