

SmartMan Manual – 3.Skills Menu 2. Ventilations Menu

V5.1 and later

The Skills Menu

1. Compressions Menu
2. Ventilations Menu
3. CPR Menu
4. Advanced Airway Menu

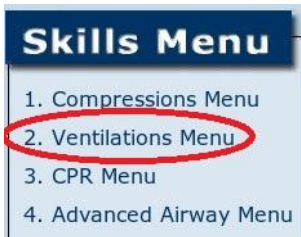
2. Ventilations Menu

How To Select a Skill

This is where you select whether you want to practice or test your ventilations skills. No compressions are included in this section. You can choose to have the real time feedback on or off.

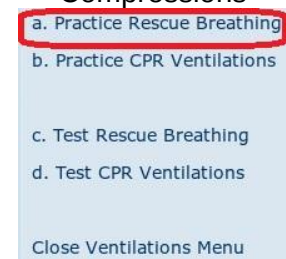
You can select to practice rescue breathing or the breaths provided during a cycle of CPR

1
Select Skill



1. Compressions Menu
2. Ventilations Menu
3. CPR Menu
4. Advanced Airway Menu

2
Select Practice 30
Compressions

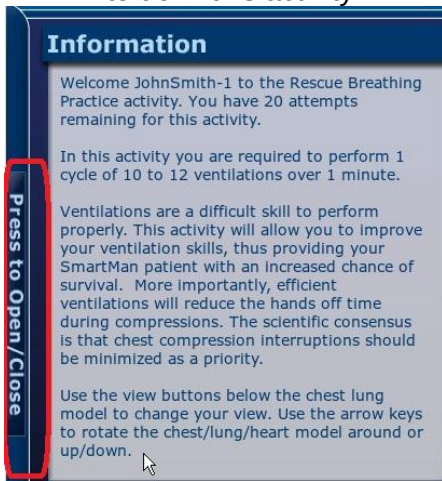


a. Practice Rescue Breathing
b. Practice CPR Ventilations

c. Test Rescue Breathing
d. Test CPR Ventilations

Close Ventilations Menu

3
Description of what you are
to do in this activity



Information

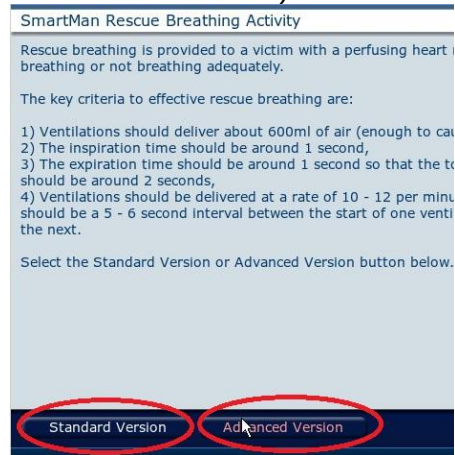
Welcome JohnSmith-1 to the Rescue Breathing Practice activity. You have 20 attempts remaining for this activity.

In this activity you are required to perform 1 cycle of 10 to 12 ventilations over 1 minute.

Ventilations are a difficult skill to perform properly. This activity will allow you to improve your ventilation skills, thus providing your SmartMan patient with an increased chance of survival. More importantly, efficient ventilations will reduce the hands off time during compressions. The scientific consensus is that chest compression interruptions should be minimized as a priority.

Use the view buttons below the chest lung model to change your view. Use the arrow keys to rotate the chest/lung/heart model around or up/down.

4
Select Standard (show
Feedback) Or Advanced (hide
feedback)



SmartMan Rescue Breathing Activity

Rescue breathing is provided to a victim with a perfusing heart breathing or not breathing adequately.

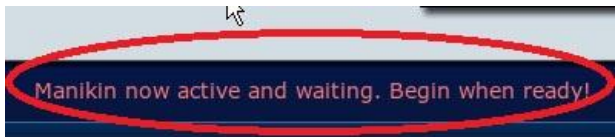
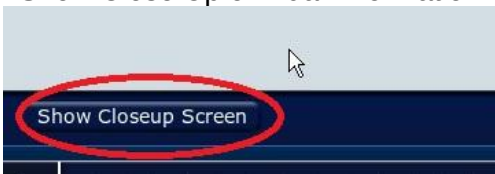
The key criteria to effective rescue breathing are:

- 1) Ventilations should deliver about 600ml of air (enough to cause chest rise)
- 2) The inspiration time should be around 1 second,
- 3) The expiration time should be around 1 second so that the tidal volume should be around 2 seconds,
- 4) Ventilations should be delivered at a rate of 10 - 12 per minute. There should be a 5 - 6 second interval between the start of one ventilation and the next.

Select the Standard Version or Advanced Version button below.

Standard Version **Advanced Version**

5
Show Close Up of Tidal Information



When you click the close-up screen or press the Space bar, the screen will Say “Manikin Now Active and Waiting. Begin Compressions Now!”. SmartMan will not begin recording this activity until the first compression is started.

a. Practice Rescue Breathing

What you are To Do

This activity is to practice how you perform rescue breathing. The protocol for this is to give 10-12 ventilations per minute. In practice this is 1 second for inspiration, 1 second for expiration, waiting 4 seconds then beginning the next ventilation.

Most people find it useful to count in order to get the interval between ventilations correct.

At the end of the activity, you will be given a score for your performance. The display will also include information on the duration of each inspiration and interval.

NOTE:

The activity will stop automatically after 75 seconds.

The description page will give you the following information

- The name of the person logged
- The activity you have selected
- The number of attempts this login has remaining for this practice
- Description of how you perform skills in this activity
- Information related to the 3D models

Here is what you will see

"Welcome John Smith to the Rescue Breathing Practice activity. You have 20 attempts remaining for this activity.

In this activity you are required to perform 1 cycle of 10 to 12 ventilations over 1 minute.

Ventilations are a difficult skill to perform properly. This activity will allow you to improve your ventilation skills, this providing your SmartMan patient with an increased chance of survival. More importantly, efficient ventilations will reduce the hands off time during compressions. The Scientific consensus is that chest compression interruptions should be minimized as a priority."

Use the view buttons below the chest lung model to change your view. Use the arrow keys to rotate the chest/lung/heart model around or up/down.

b. Practice CPR Ventilations

What you are To Do

This activity is to practice how you perform breaths during the 30:2 CPR protocol. You ONLY ever provide 2 ventilations during this protocol. The protocol stipulates that you provide 2 ventilations in 4 seconds. That is, you provide a breath in the first second, allow full exhalation of the breath in the following second, provide the second breath over 1 second and then allow full exhalation over the next second. Although the squeezing of the bag is slow, the second breath immediately follows the first.

During this practice you are given repeated opportunity to practice these two ventilations. Provide the two breaths then wait a few seconds, say 6 or so, then do another pair and repeat until you have mastered the two breaths. This is a practice exercise.

NOTE:

The activity will stop automatically after 75 seconds.

On the description page will tell you the following information

- The name of the person logged
- The activity you have selected
- The number of attempts this login has remaining for this practice
- Description of how you perform skills in this activity
- Information related to the 3D models

Here is what you will see

"Welcome John Smith to the Rescue Breathing Practice activity. You have 20 attempts remaining for this activity.

In this activity you are required to perform 10 ventilations as you would if you were performing CPR without an advanced airway.

In properly performed CPR, 2 ventilations are supplied in about 4 seconds. This activity allows you to practice providing pairs of ventilations. Properly performed ventilations increase your SmartMan Patients' chance of survival. . More importantly, efficient ventilations will reduce the hands off time during compressions."

Use the view buttons below the chest lung model to change your view. Use the arrow keys to rotate the chest/lung/heart model around or up/down.

c. Test Rescue Breathing

What you are To Do

This activity is to Test how you perform rescue breathing. The protocol for this is to give 10-12 ventilations per minute. In practice this is 1 second for inspiring, 1 second for expiring, waiting 4 seconds then beginning the next ventilation.

Most people find it useful to count in order to get the interval between ventilations correct.

At the end of the activity, you will be given a score for your performance. The display will also include information on the duration of each inspiration and the interval.

NOTE:

The activity will stop automatically after 75 seconds.

On the description page will tell you the following information

- The name of the person logged
- The activity you have selected
- The number of attempts this login has remaining for this practice
- Description of how you perform skills in this activity
- Information related to the 3D models

Here is what you will see

"Welcome John Smith to the Rescue Breathing Practice activity. You have 3 attempts remaining for this activity.

In this activity you are required to perform 1 cycle of 10 to 12 ventilations over 1 minute.

Ventilations are a difficult skill to perform properly. This activity will allow you to improve your ventilation skills, this providing your SmartMan patient with an increased chance of survival. More importantly, efficient ventilations will reduce the hands off time during compressions. The Scientific consensus is that chest compression interruptions should be minimized as a priority."

Use the view buttons below the chest lung model to change your view. Use the arrow keys to rotate the chest/lung/heart model around or up/down.

d. Test CPR Ventilations

What you are To Do

This activity is to Test how you perform breaths during the 30:2 CPR protocol. You **ONLY** ever provide 2 ventilations during this protocol. The protocol stipulates that you provide 2 ventilations in 4 seconds. That is, you provide a breath in the first second, allow full exhalation of the breath in the following second, provide the second breath over 1 second and then allow full exhalation over the next second. Although the squeezing of the bag is slow, the second breath immediately follows the first.

During this practice you are given repeated opportunity to practice these two ventilations. Provide the two breaths then wait a few seconds say 6 or so, then do another pair and repeat until you have mastered the two breaths. This is a practice exercise.

NOTE:

The activity will stop automatically after 75 seconds.

On the description page will tell you the following information

- The name of the person logged
- The activity you have selected
- The number of attempts this login has remaining for this practice
- Description of how you perform skills in this activity
- Information related to the 3D models

Here is what you will see

"Welcome John Smith to the Rescue Breathing Practice activity. You have 3 attempts remaining for this activity.

In this activity you are required to perform 10 ventilations as you would if you were performing CPR without an advanced airway.

In properly performed CPR, 2 ventilations are supplied in about 4 seconds. This activity allows you to practice providing pairs of ventilations. Properly performed ventilations increase your SmartMan Patients' chance of survival. . More importantly, efficient ventilations will reduce the hands off time during compressions."

Use the view buttons below the chest lung model to change your view. Use the arrow keys to rotate the chest/lung/heart model around or up/down.

Close Ventilations Menu

Clicking on this button returns you to the Skills Menu. From the Skills Menu you can select a different skill to perform