

MENU READ ALONG

▼ Defibrillation awareness

Welcome

Enter details

Program outcomes

AEDs

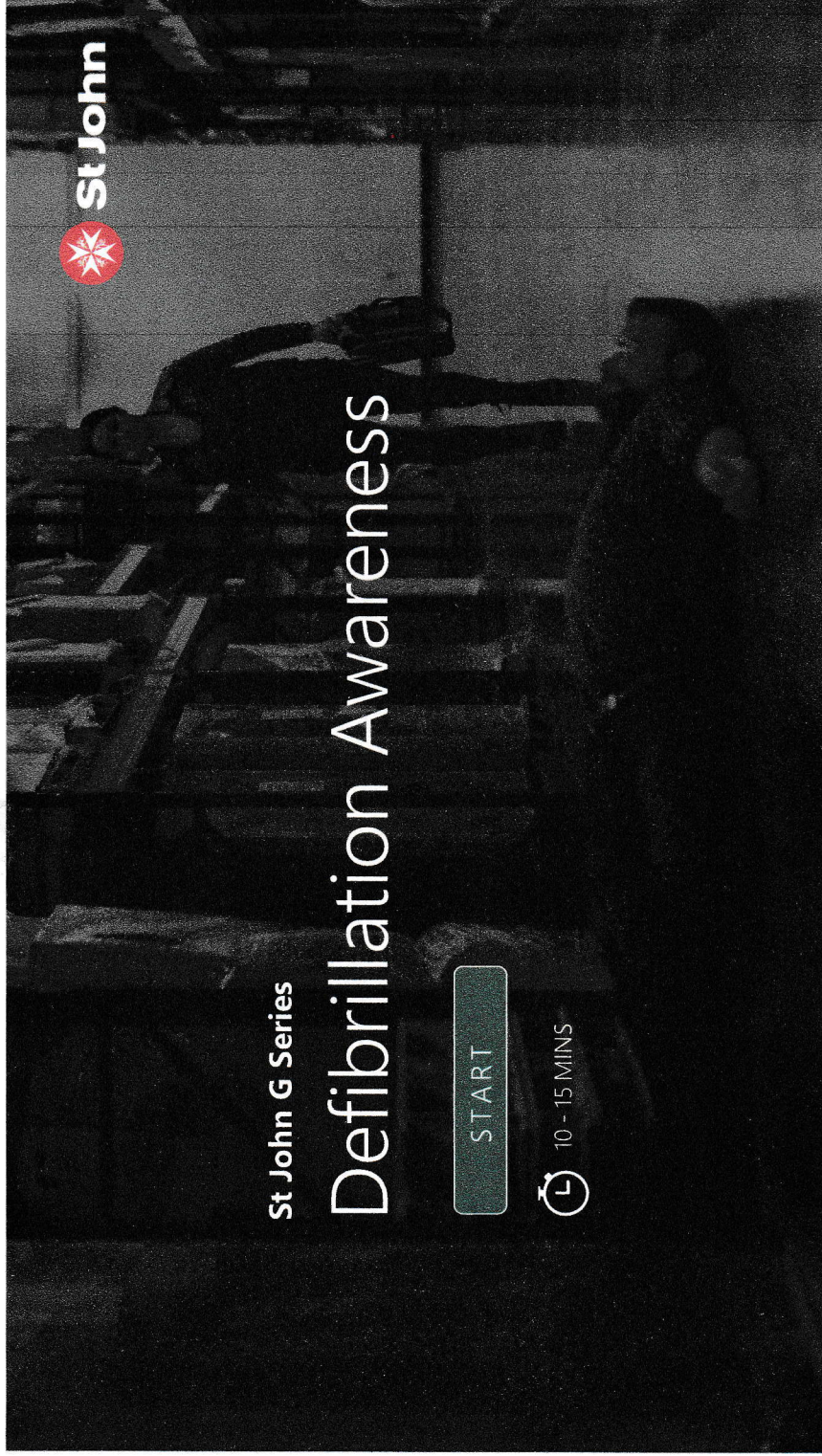
St John AEDs

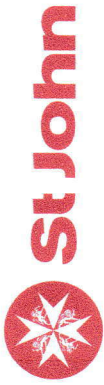
When to use an AED

D.R.S.A.B.C.D.

Recovery position

Chain of survival





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St John AEDs

When to use an AED

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Defibrillation awareness / Program outcomes

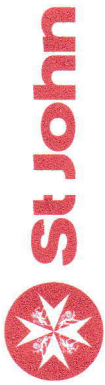


Provide basic understanding of:

- **How** to use an AED
- **When** to use an AED

NOT a substitute for attending professional first aid training.





Defibrillation awareness / AEDs

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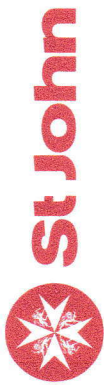
Recovery position

Chain of survival

An AED is a portable medical device that analyses a casualty's heart rhythm and if necessary, delivers an electric shock - this is known as **defibrillation**.

All AEDs do the same thing, **help restore the heart's natural rhythm**.





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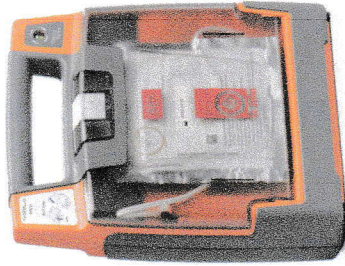
When to use an AED

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Recovery position

Chain of survival

Defibrillation awareness / St John AEDs

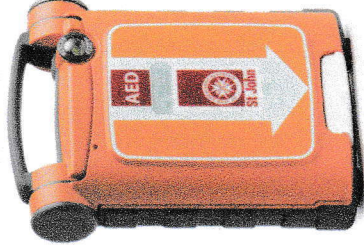


St John Ambulance G3 Elite

Semi Automatic

Fully Automatic

Click the **buttons** to learn about each St John AED model

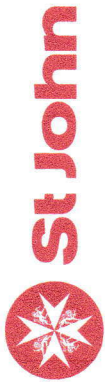


St John Ambulance G5

Semi Automatic

Fully Automatic





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When to use an AED

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Recovery position

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Defibrillation pads

Paediatric capabilities

USB technology

Real-time CPR feedback

Interface

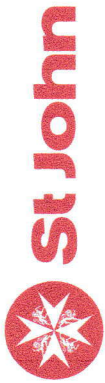
RescueReady®

RescueCoach™

Click the red buttons to learn more

Image of St John G5 Fully Automatic model





St John G5 Fully Automatic interface

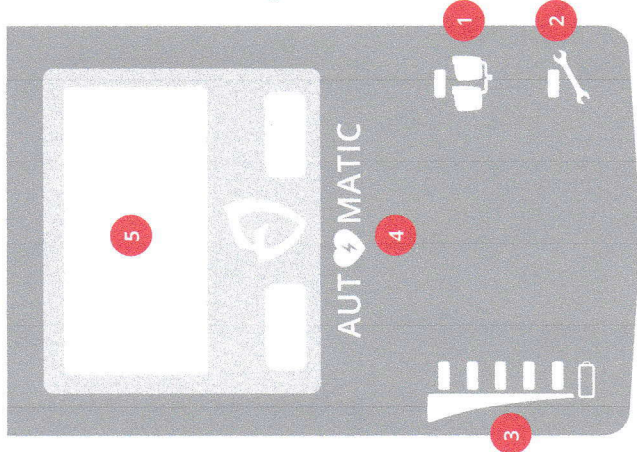


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- Pads indicator.** Check pads. The pads are missing, not connected or have compromised functionality.
- Service indicator.** Indicates AED requires maintenance by authorised service personnel.
- Battery status.** The illuminated areas indicate the remaining battery capacity.
- No shock button.** Instead of prompting for shock, the AED counts down and then automatically delivers a shock.
- Text display.** Provides the operator with information regarding system initialisation, text prompts and data during a rescue and diagnostics.

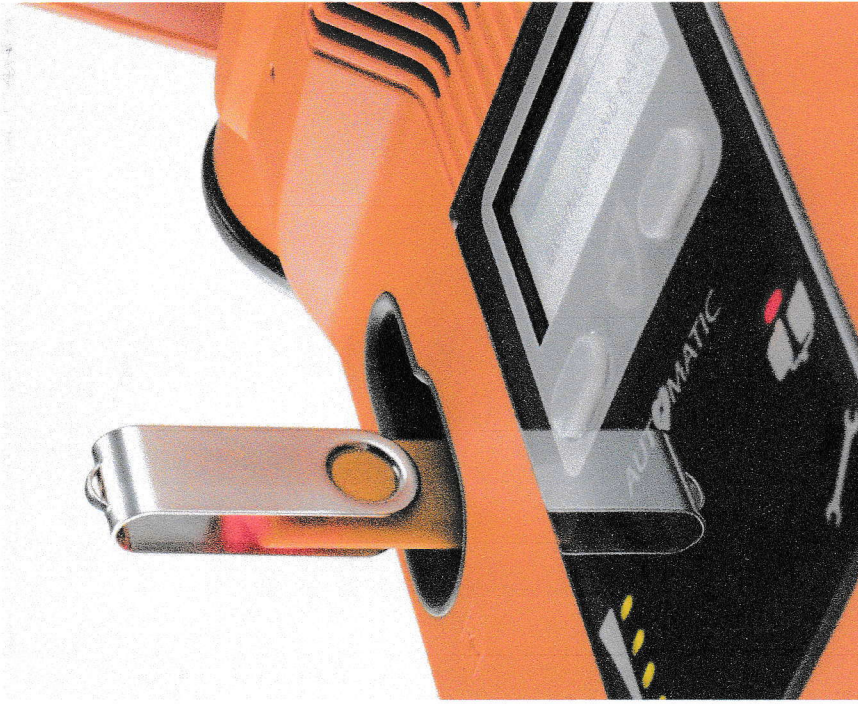




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USB Technology

If the AED has been used in a rescue, you can retrieve the rescue data by using a USB cable or use a standard USB.

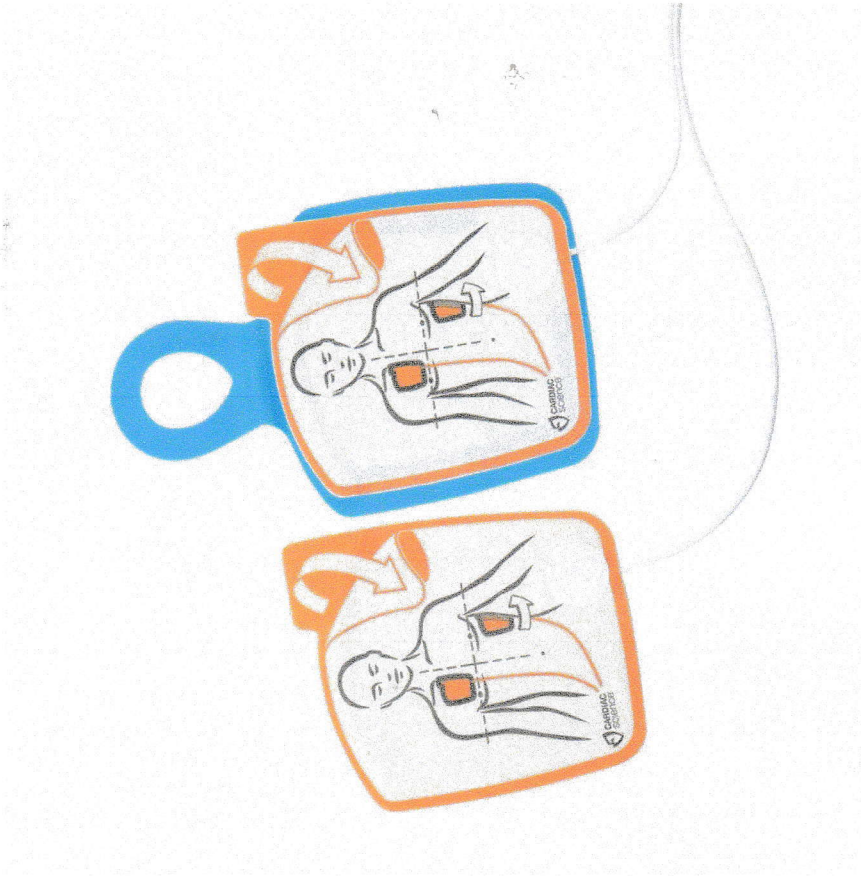
The USB port is located within the defibrillation pad connection point.





Defibrillation pads

Pads can be placed in either location on the chest for simple, fast placement.



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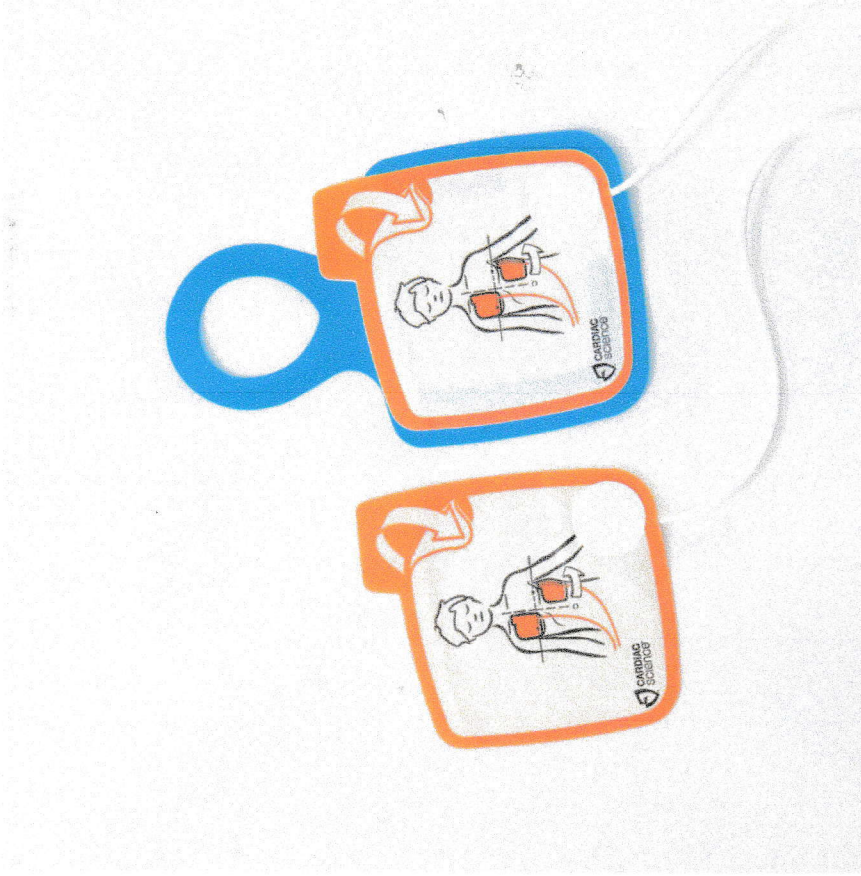
Chain of survival





Paediatric capabilities

Paediatric pads automatically alter the shock capacity needed for paediatric casualties.



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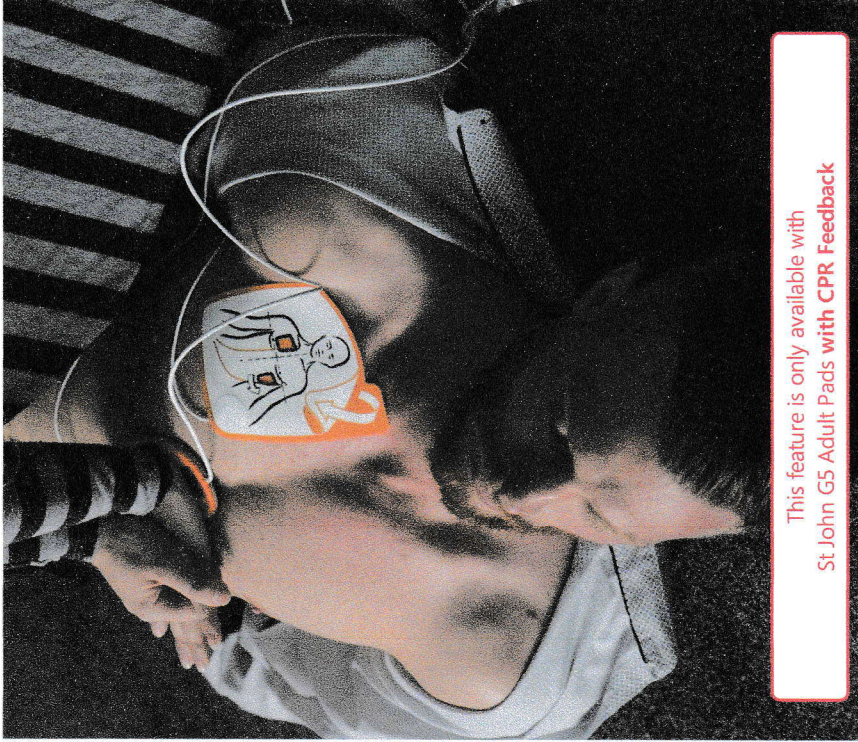
St John AEDs

When to use an AED

D.R.S.A.B.C.D.

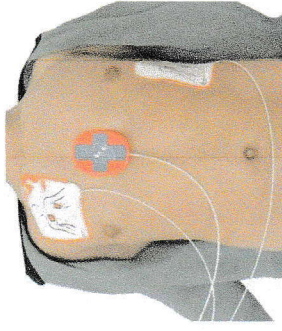
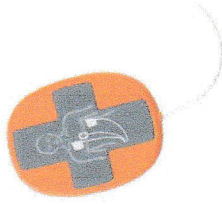
Recovery position

Chain of survival



Real-time CPR Feedback

The St John G5 AED uses Intellisense™ CPR (ICPR) technology to monitor CPR chest compressions, providing rescuers with a metronome and distinct corrective audible and visual prompts: "Press Slower", "Press Faster", "Press Softer", and "Press Harder and Fully Release".





St John

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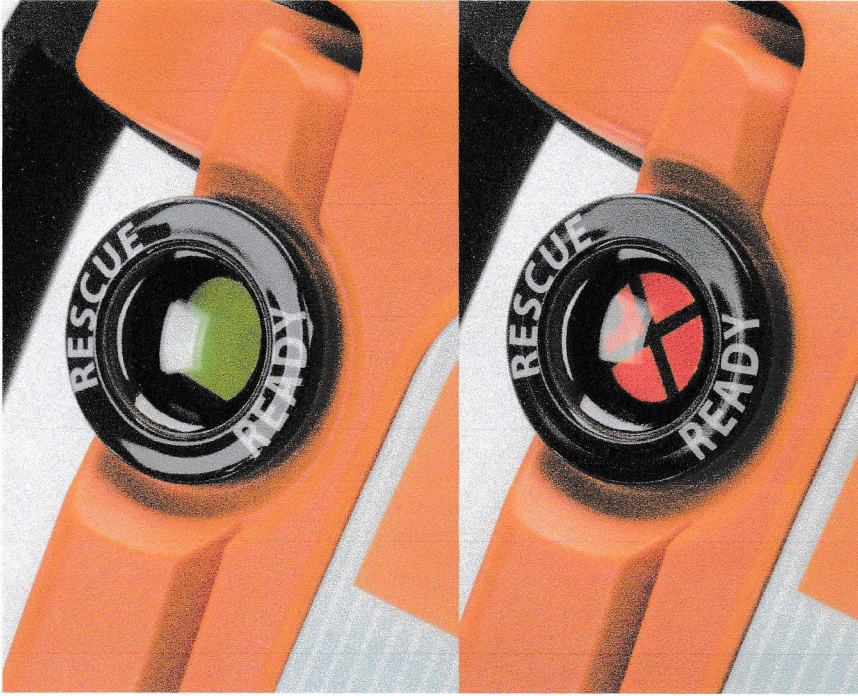
St John AEDs

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RescueReady® Automatic Daily Self-Testing

Defibrillation pads, battery and internal circuitry are tested daily to ensure your AED is always RescueReady®.

If the self-test identifies any issues the

RescueReady® indicator will turn **red** with a black X and an audible alert will be heard every 30 seconds.

To identify the problem:

- Open the lid.
- Refer to the text display or LED indicators.
- If necessary, use diagnostic mode.





MENU READ ALONG

▼ **Defibrillation awareness**

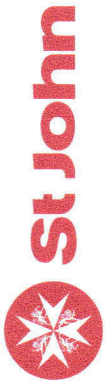
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RescueCoach™

The AED will guide the user through each critical step of the rescue with user-paced voice and text prompts.





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Defibrillation awareness / When to use an AED



- Treat sudden cardiac arrest.
- Follow the St John D.R.S.A.B.C.D. Action Plan.





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DEFIBRILLATION

Apply defibrillator

- Follow voice prompt to attach pads and deliver shock.

D
Danger

R
Response

S
Send for Help

A
Airway

B
Breathing

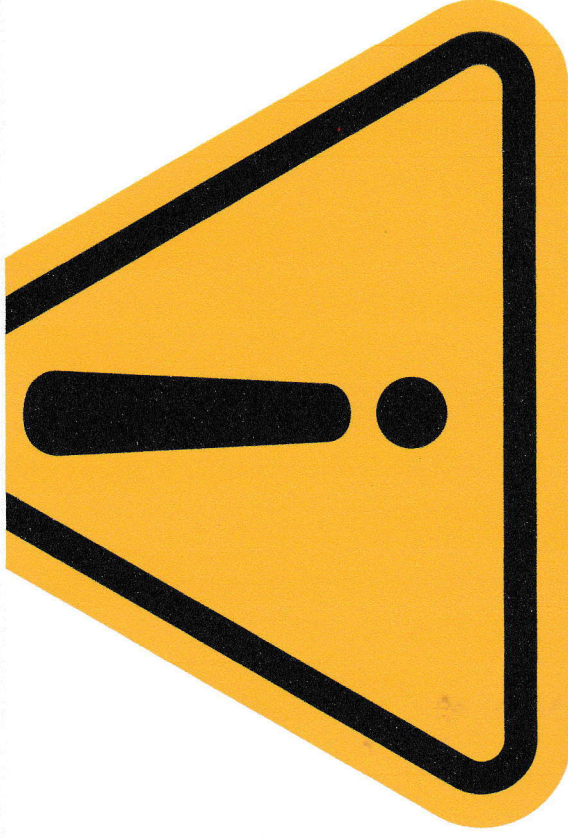
C
CPR

D
Defibrillation





Defibrillation awareness / **D.R.S.A.B.C.D.**



MENU READ ALONG

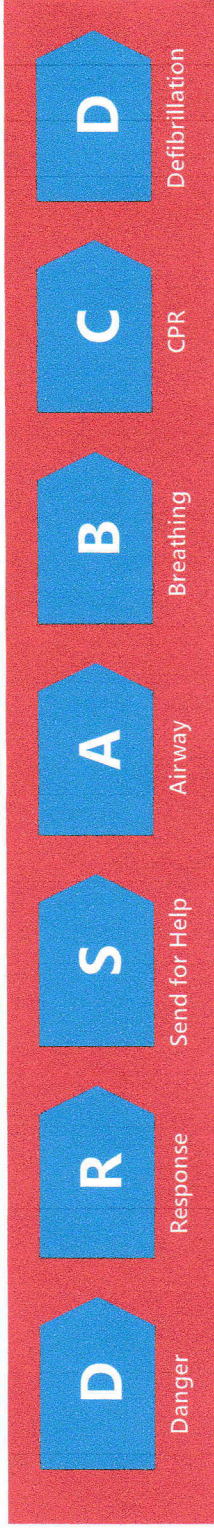
Defibrillation awareness

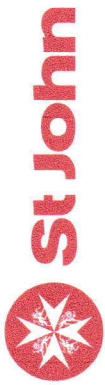
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DANGER

Ensure the area is safe

- for yourself
- others
- the casualty





Defibrillation awareness / D.R.S.A.B.C.D.



RESPONSE

Check for response

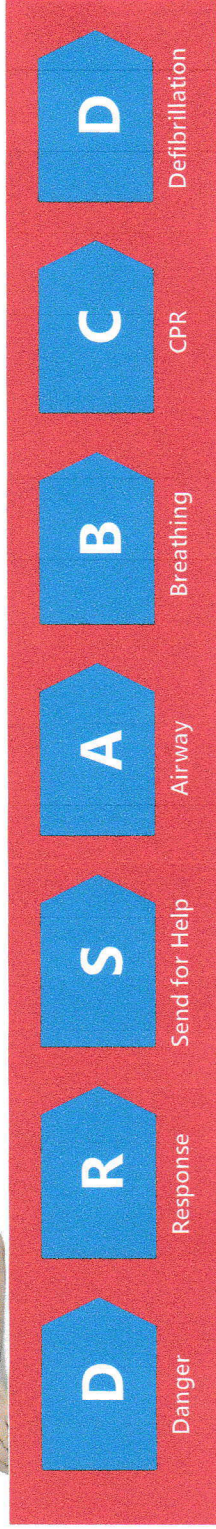
- call out to casualty
- ask name
- gently squeeze shoulders.

If no response

- send for help.

If casualty responds

- make comfortable
- check for injuries
- monitor response.



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Defibrillation awareness / D.R.S.A.B.C.D.

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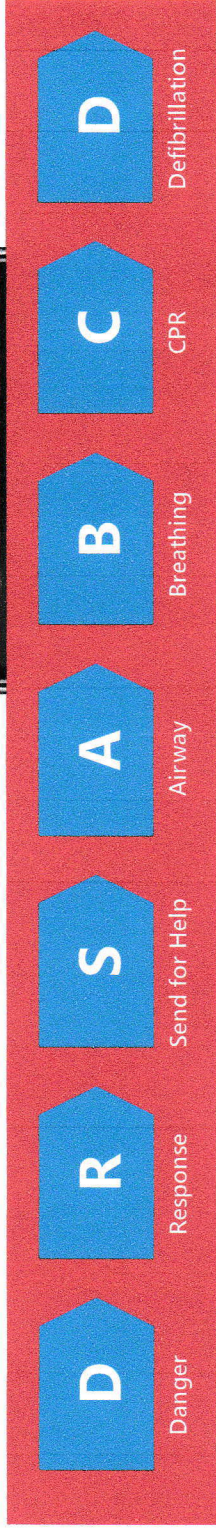
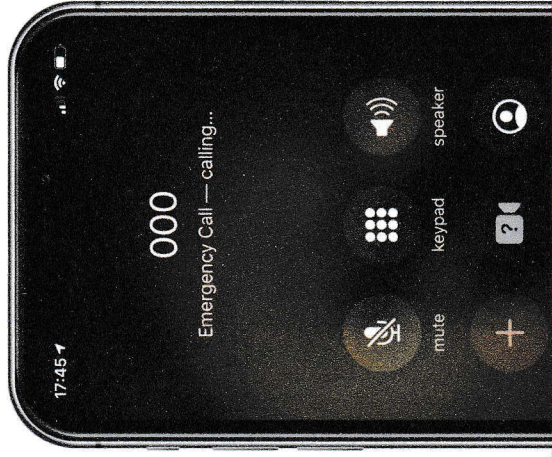
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SEND FOR HELP

Call triple zero (000) for an ambulance

Or ask another person to make the call.



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Defibrillation awareness / **D.R.S.A.B.C.D.**



AIRWAY

Open mouth

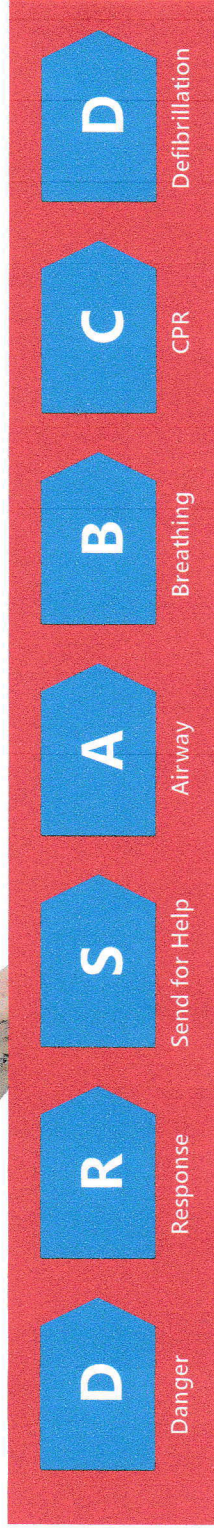
- look for foreign materials.

If foreign material present

- roll onto side
- clear airway with fingers.

If no foreign material present

- open airway by tilting head with chin lift.





Defibrillation awareness / **D.R.S.A.B.C.D.**

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BREATHING

Check for breathing

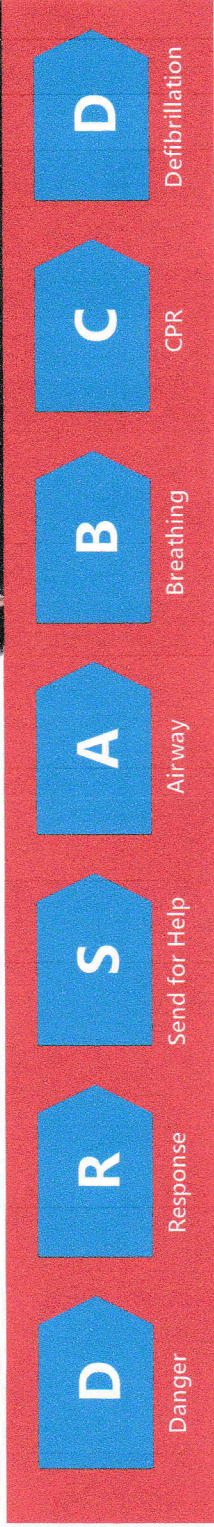
- look, listen, feel.

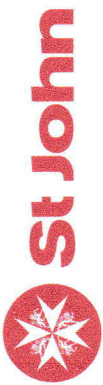
If not breathing normally

- start CPR.

If breathing normally

- place in recovery position
- monitor breathing
- manage injuries
- treat for shock.





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Defibrillation awareness / D.R.S.A.B.C.D.

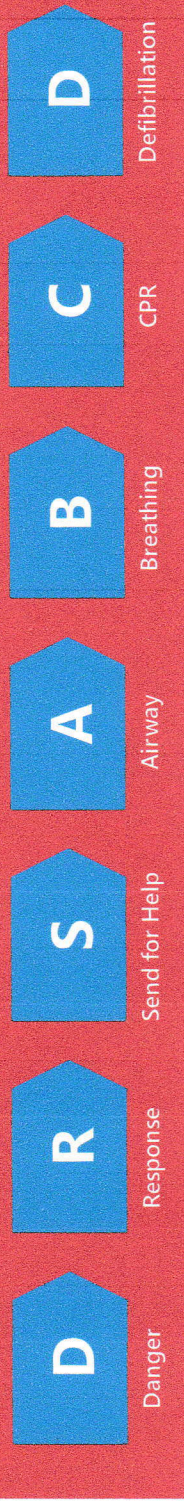


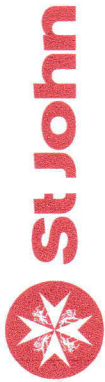
CPR

Start CPR

30 chest compressions : 2 breaths

- Chest compressions should be performed at a rate of 100 – 120 per minute.
- Approximately 2 compressions per seconds.
- Continue CPR until help arrives or casualty recovers.





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Defibrillation awareness / D.R.S.A.B.C.D.



DEFIBRILLATION

Apply defibrillator

- Follow voice prompt to attach pads and deliver shock.

D
Danger

R
Response

S
Send for Help

A
Airway

B
Breathing

C
CPR

D
Defibrillation





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Defibrillation awareness / Recovery position



Casualties who are unconscious and breathing should be placed in the **recovery position**.

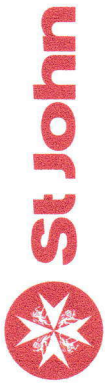
Step 1

Step 2

Step 3

Click the **buttons** to learn more





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Step 1

Position the casualty's arm

- Kneel beside the casualty.
- Place farther arm at right angle to the body.
- Place nearer arm across the chest.





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Step 2



Position the casualty's legs

- Place your hand under the casualty's knee closest to your body.
- Lift the casualty's leg until their foot is flat on the ground.
- The leg furthest from you should be flat and straight.





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Chain of survival



Step 3

Roll the casualty into position

- Roll the casualty away from you onto their side.
- Support the casualty's head and neck at all times.
- Keep the casualty's leg at right angle with their knee touching the ground to prevent the casualty rolling on to their face.





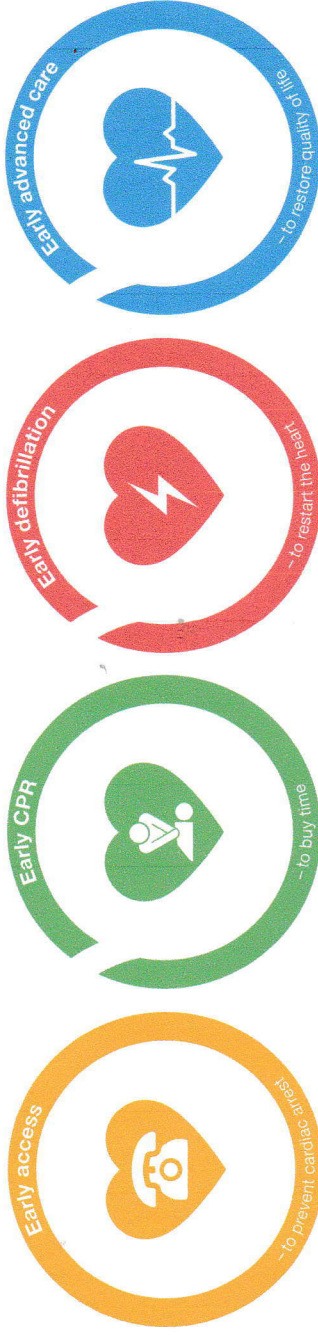
Defibrillation awareness / Chain of survival

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Defibrillation awareness

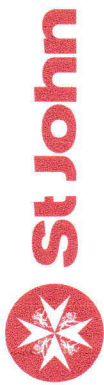
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- Chain of survival

The chain of survival identifies the key steps that should be followed to maximise the chance of survival from sudden cardiac arrest.



Click on each link in the chain of survival to zoom





Defibrillation awareness / How to use an AED

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Recovery position

Chain of survival

How to use an AED

Preparation of the casualty

Pad placement

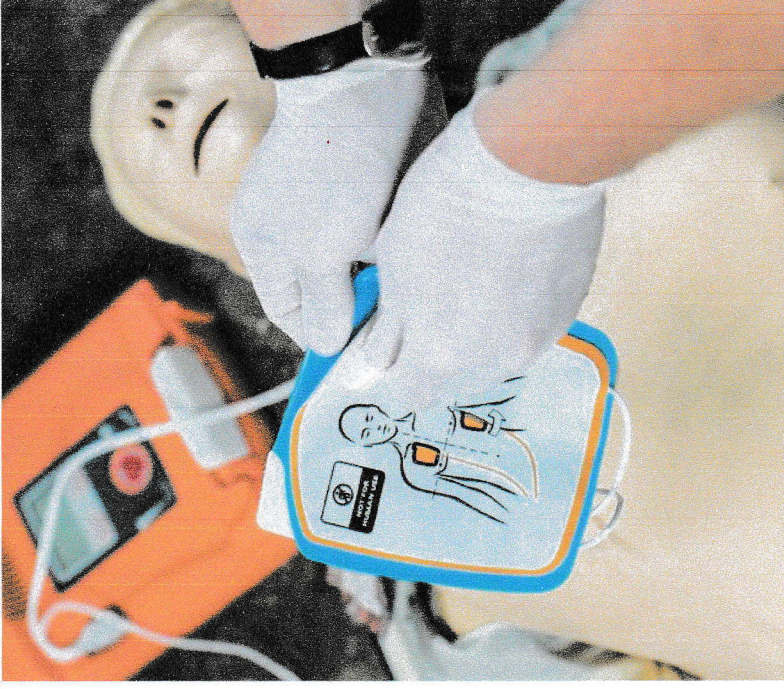
Alternate pad placement on children

Using an AED

Something to remember

Summary

- Activate the defibrillator.
- The defibrillator's voice prompt will tell you what to do.
- Place pads on chest.
- Defibrillator will check casualty's heart rhythm.
- The voice will instruct you to press the 'Shock' button.





Defibrillation awareness / Preparation of the casualty



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How to use an AED

Preparation of the casualty

Pad placement

Alternate pad placement on children

Using an AED

Something to remember

Summary

- Expose casualty's chest.
- Wipe chest of casualty to dry if wet.
- Remove any medication patches located in the pad position.
- **DO NOT** place AED pads over any jewellery e.g. body piercing.
- **DO NOT** defibrillate in a moving vehicle.



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Recovery position

Chain of survival

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Preparation of the casualty

Pad placement

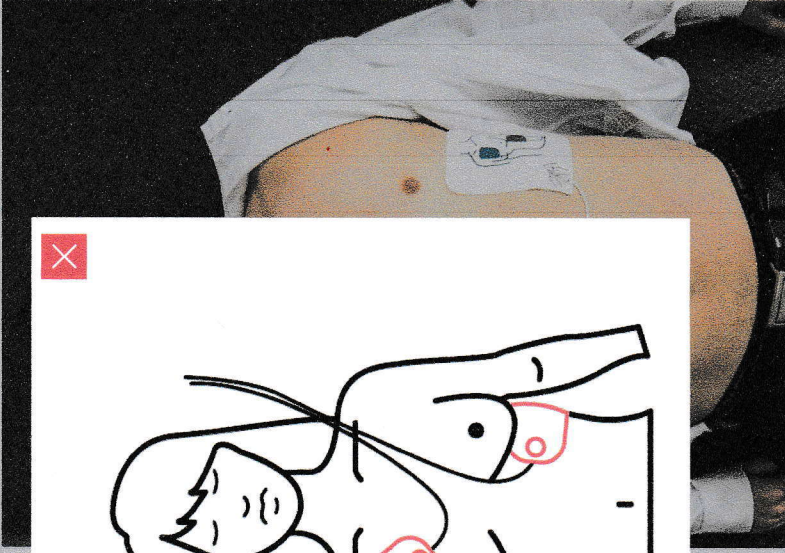
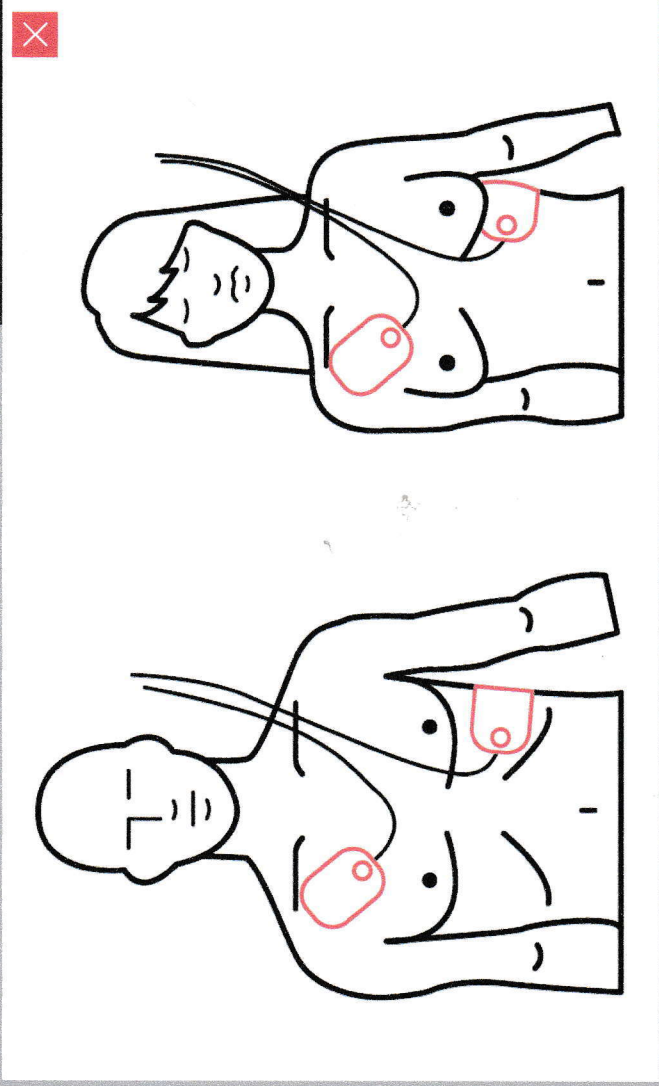
Alternate pad placement on children

Using an AED

Something to remember

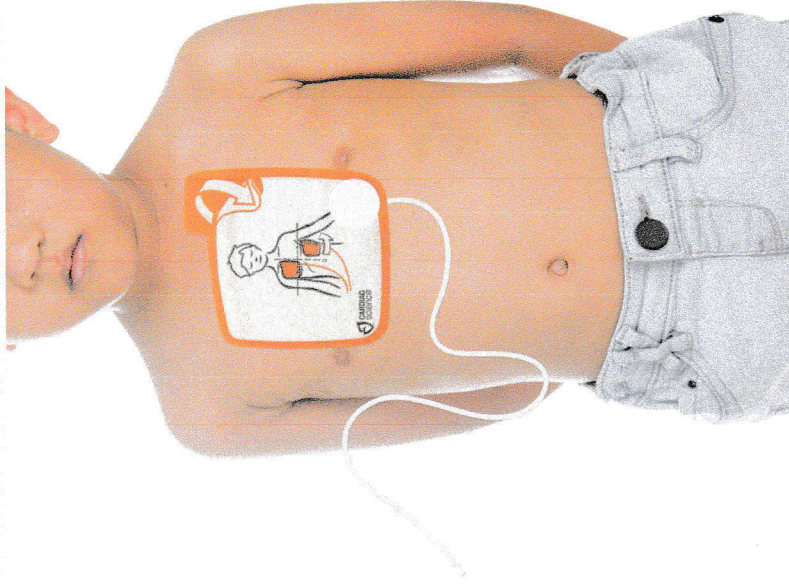
Summary

Defibrillation awareness / Pad placement





Defibrillation awareness / Alternate pad placement on children



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Recovery position

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How to use an AED

Preparation of the casualty

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Using an AED

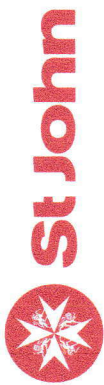
Something to remember

Summary

- Ensure paediatric pads are placed in the AED.
- Do not let AED pads touch or overlap.
- A child with a smaller chest may need the alternate pad placement.
- Position one pad in the middle of the chest.
- Place second pad on the back of the child.

Alternate pad placement on children

Click the **button** to learn more



MENU READ ALONG

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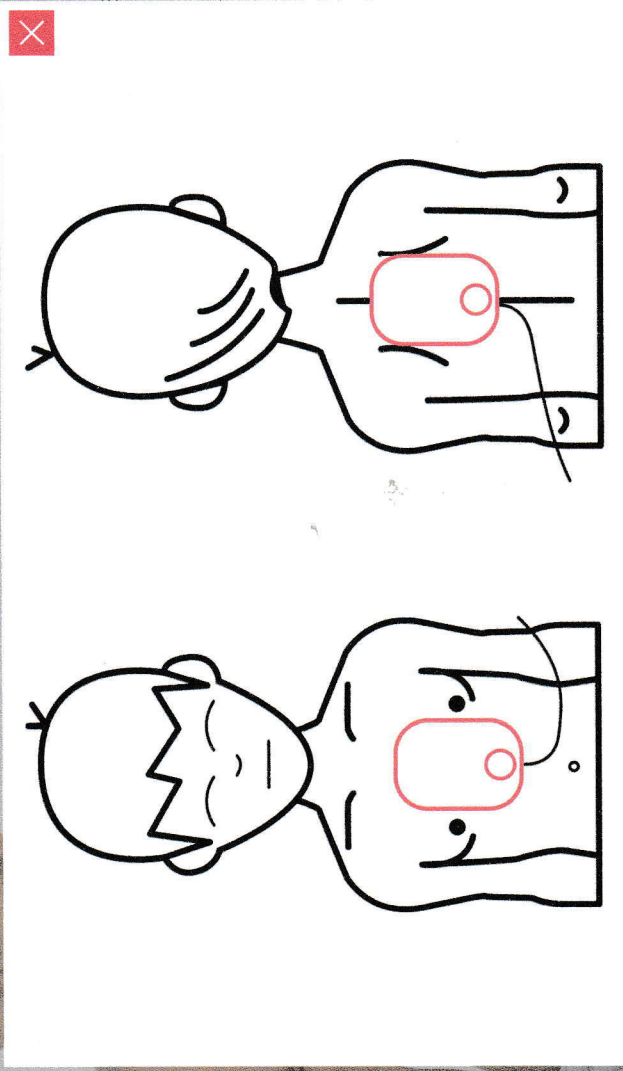
Alternate pad placement on children

Using an AED

Something to remember

Summary

Defibrillation awareness / Alternate pad placement on children





Defibrillation awareness / Using an AED

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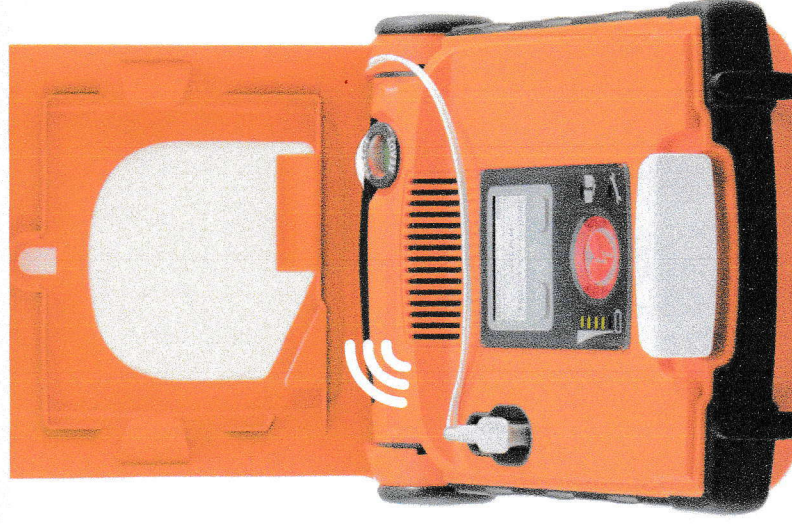
Alternate pad placement on children

Using an AED

Something to remember

Summary

**"Do not touch patient.
Analysing heart rhythm.
Please wait."**





St John

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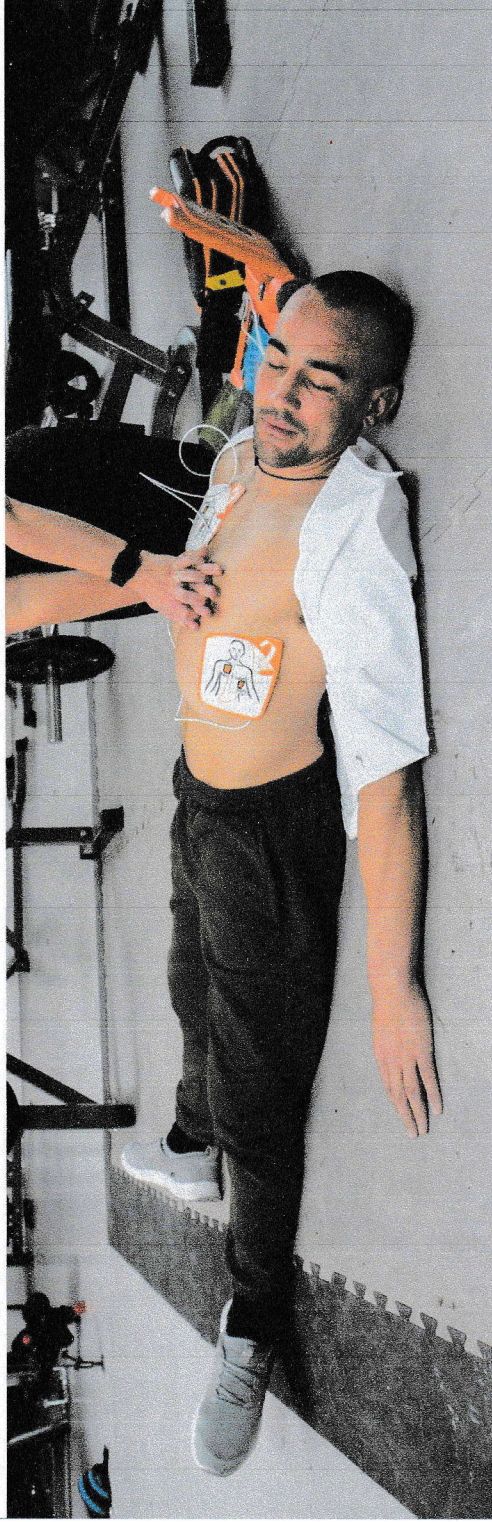
Alternate pad placement on children

Using an AED

Something to remember

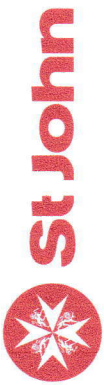
Summary

Defibrillation awareness / Something to remember



- A defibrillator will automatically detect if a casualty's heart is operating well.
- A defibrillator will **NOT** advise to press the shock button if it detects that the casualty's heart is operating okay.





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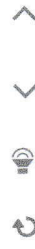
Alternate pad placement on children

Using an AED

Something to remember

Summary

Defibrillation awareness / **Summary**



- Unconscious, not breathing.
- Follow the voice prompts.
- Attach pads.
- Press the shock button when directed.