

# Reducing cardiac arrests: How we're improving care for people at risk of deterioration

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# Introduction

The Scottish Patient Safety Programme (SPSP) is a unique national initiative that aims to improve the safety and reliability of health and social care and reduce harm, wherever care is delivered. The SPSP Acute Adult programme includes the deteriorating patient workstream, which aims to reduce mortality and harm for people in acute hospitals by reliable recognition and response to acutely unwell patients.

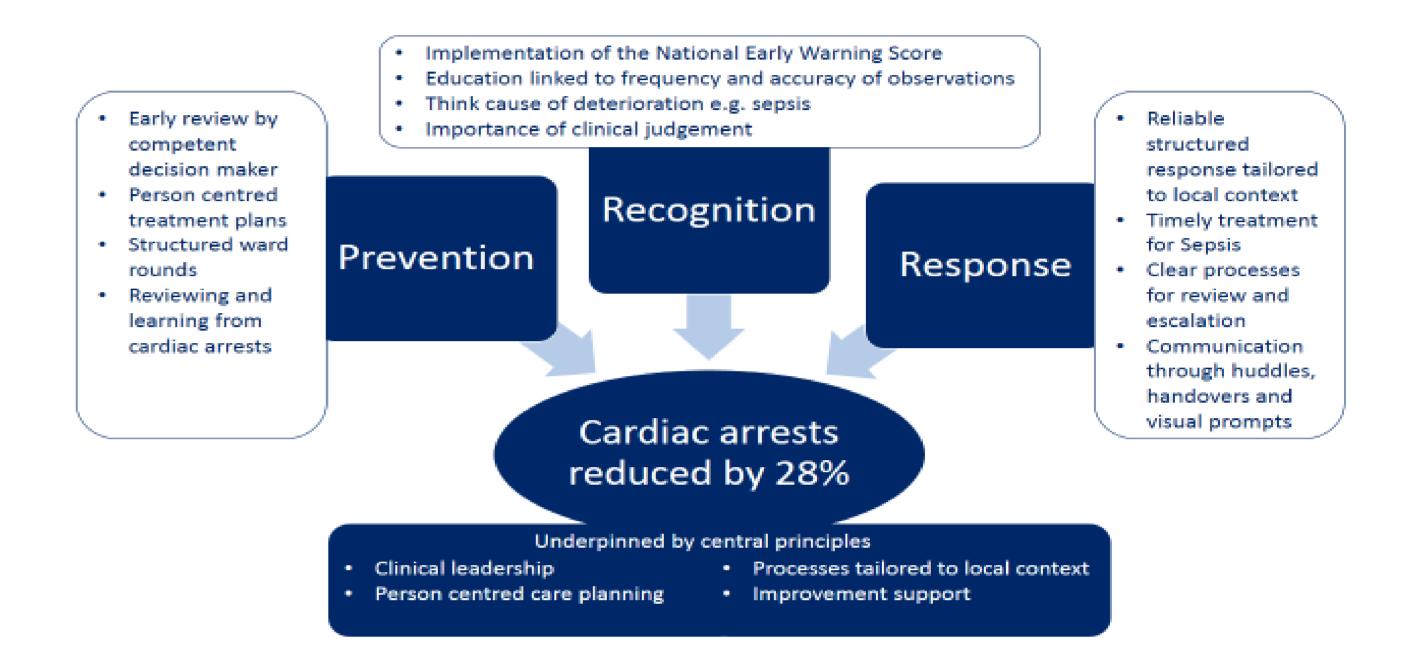
# Method

A driver diagram, change package and measurement plan were developed. Figure 2 describes the range of interventions covered in the change package.

# **SPSP supports this by focusing on:**

- early recognition of acute physiological deterioration through the National Early Warning Score (NEWS) (see Figure 1)
- the implementation of a process for structured response and treatment for sepsis
- person-centred care planning based on an individual's clinical condition and goals of care, and
- effective communication of people at risk and their treatment plan.





### Figure 2

SPSP collaborated with NHS Education for Scotland to develop an online module to increase awareness and understanding of NEWS/NEWS 2 which has received positive feedback (Figure 3). This was published in May 2019 and has been accessed over 2,000 times to date.

"Excellent layout, easy to use and understand"

"Very informative, especially in relation to sepsis"



# for you

#### National Early Warning Score

In order to support a national approacl tals, The Scottish Patient afety Programme is encouraging the mplementation of the updated Nationa Early Warning Score (NEWS) 2 across Scotland

his is an evidence based tool to is recommended by Royal College of **Physicians** 

NEWS thresholds and trigge

**NEW** scores 0 Aggregate 1 – 4

**RED** score

Aggregate 5 – 6

Aggregate 7 or more

Clinical risk

Medium

www.ihub.scot/spsp	
For more information, visit:	

## Figure 1

# Results

An improved approach to identifying and treating deteriorating patients quickly and effectively is contributing to a reduction in cardiac arrest rate by 28%. This means that, on average, there are 25 fewer people per month who are suffering this harmful experience in acute hospitals in Scotland.

Total rate of Cardiac Arrest for 17 hospitals which have reported

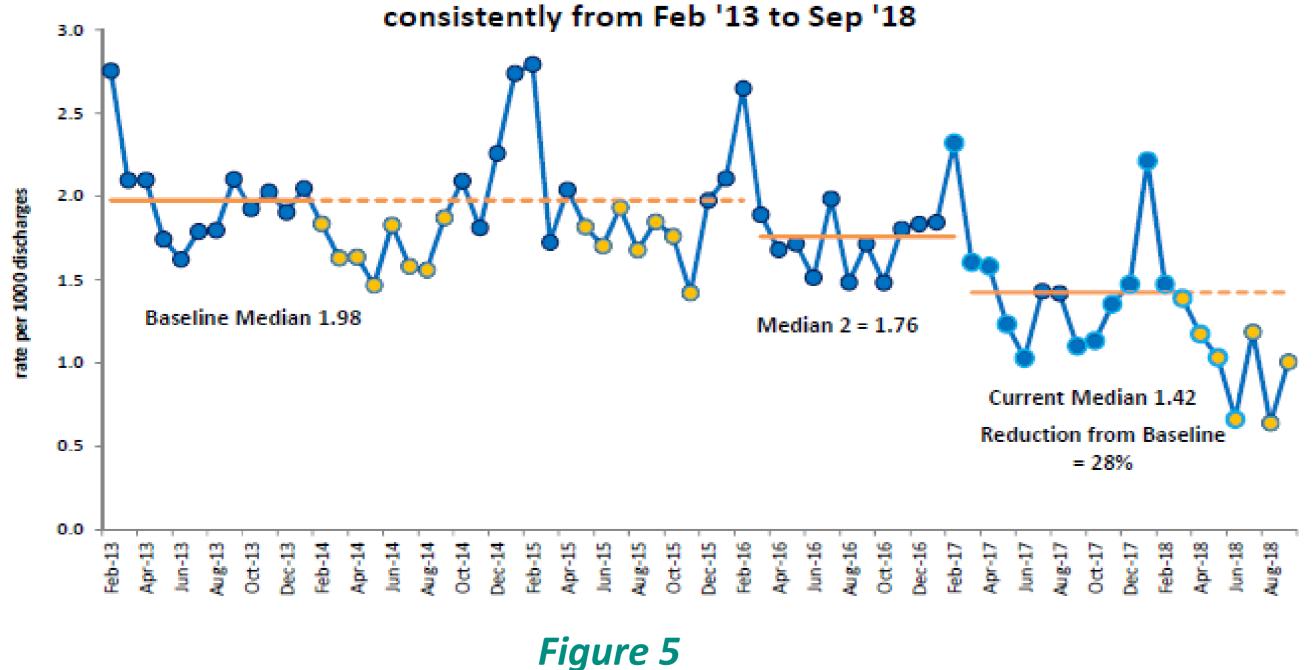


SPSP has hosted networking events to share successes and challenges and support staff to learn from each other (Figure 4).



Figure 4

"NEWS and cardiac arrest statistics, great to see vast improvements to



patient care and overall reduction in deterioration, cardiac arrest and mortality as a whole <sup>(2)</sup>

# Conclusion

The changing culture and understanding of staff within NHSScotland have all been key to achieving better outcomes for people, through improved processes to identify and respond to deteriorating patients.



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