

# SPSP Perinatal and Paediatric Programmes National Learning Session

Leadership to support a culture of safety

30 October 2024

Leading quality health and care for Scotland





# **Focus on escalation**

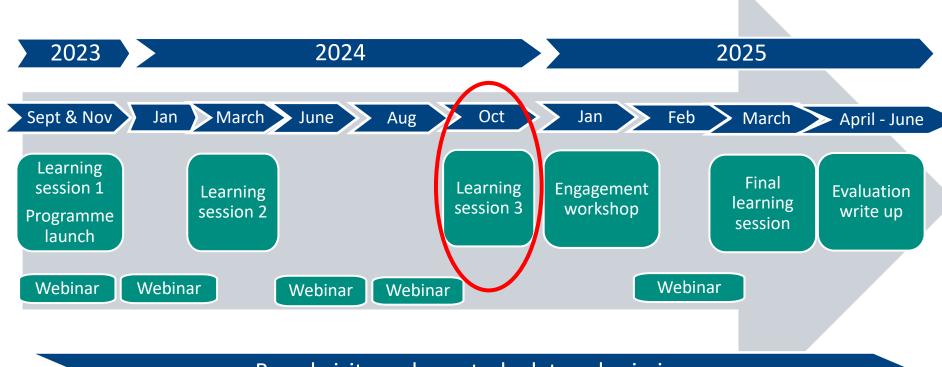
Sonia Joseph Strategic National Clinical Lead for Child Health





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## **Programmes timeline**



Board visits and quarterly data submissions

# SPSP Perinatal and SPSP Paediatric Activity







3 paediatric data submissions2 perinatal data submissions

22 paediatric board visits completed 17 perinatal board visits completed

Racialised health inequalities webinar



Learning session 3 30 October 2024



IHI improvement scale

## Driver Diagram

What are we trying to achieve...

To reduce harm from deterioration by improving the recognition, response and review of the deteriorating child and young person\*\*

By [locally agreed %] by 31<sup>st</sup> March 2025

\*Essentials of Safe Care \*\*Measurements may include existing Excellence in Care data

#### We need to ensure...

Person-centred care\*

Recognition of acute deterioration

Standardised, structured response and review

Safe communication across care pathways\*

Leadership to support a culture of safety at all levels\*

#### Which requires...

Patients, families and carers are listened to and included Person-centred care planning Anticipatory care planning & CYPADM Discussions with families are well managed

Observations using PEWS (Scotland) Action on staff concern Action on patient, family and carer concern

Timely review by appropriate decision maker Assessment for causes of acute deterioration Escalation

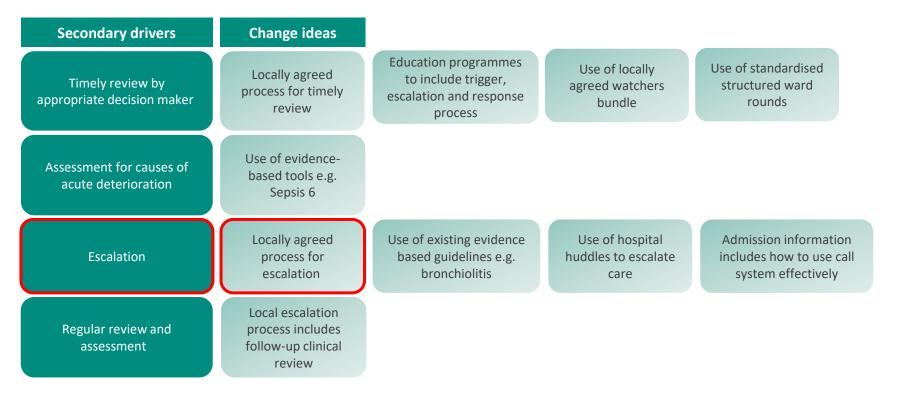
Regular review and assessment

Interdisciplinary teamwork and collaboration\* Use of standardised communication tools\* Effective communication in different situations\*

> Psychological safety for staff\* Staff wellbeing\* Safe Staffing\*

> > System for learning\*

## Primary Driver Standardised, structured response & review





# Evidence, tools and resources to support escalation

Tim Shearman Improvement Advisor

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# Escalation

#### **Guidelines:**

- SIGN 167: Care of deteriorating patients
  - 16 and over only
  - Structured response tools, critical care outreach, and prehospital response
- NICE Guideline on suspected sepsis
  - Covers under 16's
  - Recommends senior review, critical care outreach and informing the consultant if no response within one hour





# Escalation

#### **Resources:**

- RCPCH safe system framework for children at risk of deterioration: Responding to deterioration
  - Involve children, families and carers in decisions including communication protocols
  - Structured communication model for escalation e.g. SBAR
  - Awareness of negative attitudes towards escalation that may be downgraded on review
  - Clear plans for treatment/clinical monitoring and review
  - Situational awareness
  - Discharge and transfer protocols

# **KCPCH**

# References

- <u>SPSP Paediatrics Resources to</u>
   <u>Support Paediatric Care</u>
- <u>SIGN 167 Care of deteriorating</u> <u>patients</u>
- <u>NICE 51 Suspected Sepsis</u>
- <u>RCPCH Safe system framework for</u> <u>children at risk of deterioration</u>











# Deteriorating child and young person: focus on escalation

Sam Fredricksen-Freer, NHS Ayrshire and Arran Laura McCulloch, NHS Ayrshire and Arran



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Working together to achieve the healthiest life possible for everyone in Ayrshire and Arran



## Deteriorating child and young person: Focus on escalation.

Samantha Fredriksen Freer, Clinical Nurse Manager, Acute Paediatrics

Laura McCulloch, Senior Charge Nurse, Acute Paediatrics



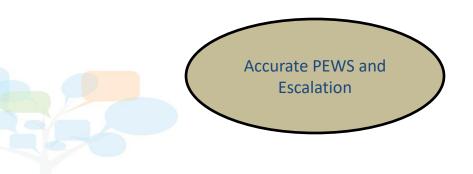
#### What is the pebble in our shoe?



- Unexpected death in Paediatrics triggers an automatic SAER
- Key findings revealed similar themes of good practice and areas for improvement.

retrospective audit of 10 random patients that were transferred to ITU in 2023.

• We found our pebble:





#### **The Quality Improvement Journey**





#### Our Journey so far....





#### Creating Conditions



Systems

By January 2026, 95% of patients with elevated PEWS score of 5 and above will escalated to Advanced Paediatric Nurse Practioners or middle grade doctors and above for an urgent medical review, aligning with the Scottish Patient Safety Programme for Paediatrics.

Developing Aims

#### **Version one of Escalation Sticker**



	Escalation of Care
<b>Testing</b> Changes	Escalation requested by:        Date:       TIME OF ESCALATION: hrs         1. Reason:
	<ol> <li>Request for medical review made to(APNP/Middle Grade/ Consultant)</li> <li>Nurse in Charge aware          Signed by NIC</li> </ol>
	4. Is a watcher's bundle required? Yes □ No □
	To be filled in by Reviewer: 5. Time of Patient review: Reviewed by:
	Please document details of the review below in patient's clinical notes.

#### **Escalation Sticker**



#### **Escalation of Care**

Signature/Stamp

Date & Time of Request



1.	Reason:	Elevated PEWS (PEWS of)     Staff Concern     Parental Concern					
2.	Request made to:	Name: (APNP/Mido	lle Grade/Consultant)				
3.	Nurse in Charge Aware?	NIC Signa	ture/Stamp				
4.	Watcher Bundle Required?	YES	NO				
		TO BE FILLED IN BY REV	IEWER				
5.	Review	Date & Time of Review	Signature/Stamp				





#### **Training & Evaluation from cycle one**

• Study day for all members of nursing staff with focus on PEWS training and escalation of care.

- Process of escalation NIC versus Medical Staff?
- Name change of sticker?
- Update of PEWS escalation to meet local requirements
- Plan of care documentation



# **Other Work we are doing:**



- Development of Aspen Suite
- SEPSIS Sticker
- HDU competency document
- PCAR course
- Annual PEWS Training
  - Programme
- Clinical Risk Group
- Resuscitation Scribe Booklet



# Patientrack (eObs) Paediatrics

Billy Gibson, NHS Tayside Lisa Law, NHS Tayside



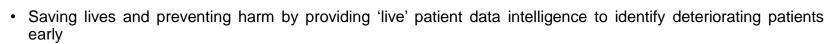
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## Why move to electronic observations?

### NHS Tayside's Digital Strategy 2022 – 2027

"Helping people live longer, healthier and happier lives through digital technology"

# Why move to electronic observations



NHS

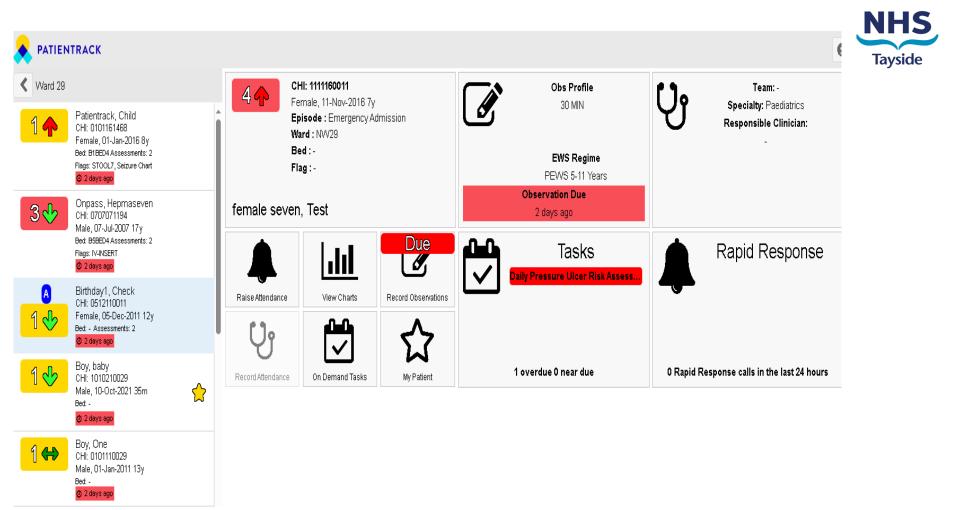
**Tayside** 

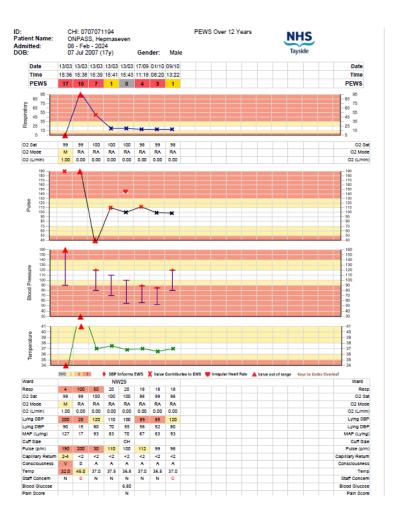
- Establishing a single electronic patient record and closing the digital gap
- Supporting remote/mobile working
- Reducing transcriptions errors and the need for repetition
- Improving clinical decision support capabilities
- Providing real-time access to patient data at the point of care improving compliance with observation protocols/clinical assessment guidelines
- Improving standardisation of vital signs/clinical assessments approaches
- Improving accessibility and legibility of patient data
- · Improving communication between health care staff
- Reducing the burden, bias, and risk from manual audit functions
- · Ability to create person centered scoring



# Introducing electronic observations

- Engaging with the senior clinical team
- Developing the system to meet our needs
- Testing the application
- Education and Engagment with the wider clinical team
- Understanding and acting on feedback prior to Go Live
- Supporting during the period of change
- Listen to user feedback







# Lessons learned



Engagement with the clinical teams is key

- Understand the patient journey
- Listen to feedback to ensure system works for users
- Use of other systems can impact on data (TrakCare)
- Change takes time
- Ensure WiFi is reliable



Automatic calculation of PEWS score

Highlights increasing and decreasing scores

Filter screen to quickly identify "at risk" patients

Ability to auto-page in future





# Ward view

Name	EWS $\downarrow$	Location	Obs. Due	Obs. Profile	Flags	EWS Regime
Lightyear, Buzz	7 🛟	Ward 29	08:42	15 MIN		PEWS 12-23 Months
female seven, Test	4 💠	Ward 29	08:55	30 MIN		PEWS 5-11 Years
Girl, Bonnie	3 💠	Ward 29	08:56	30 MIN		PEWS 2-4 Years
Onpass, Hepmaseven	3 😍	Ward 29	08:50	30 MIN	IV-INSERT	PEWS Over 12 Years
Patientrack, Child	1 🛖	Ward 29	09:23	1 HR	STOOL7, Seizure Chart	PEWS 5-11 Years
Boy, One	1 👄	Ward 29	09:21	1 HR		PEWS Over 12 Years
Birthday1, Check	1 😍	Ward 29	09:21	1 HR		Personal: PEWS Over
Boy, baby	1 😍	Ward 29	09:24	1 HR		PEWS 2-4 Years
Child, One Year	1 😍	Ward 29	09:22	1 HR	DAILY WEIGHT	PEWS 2-4 Years
Girl, One	1 🖖	Ward 29	09:26	1 HR	Seizure Chart	PEWS Over 12 Years

# Data

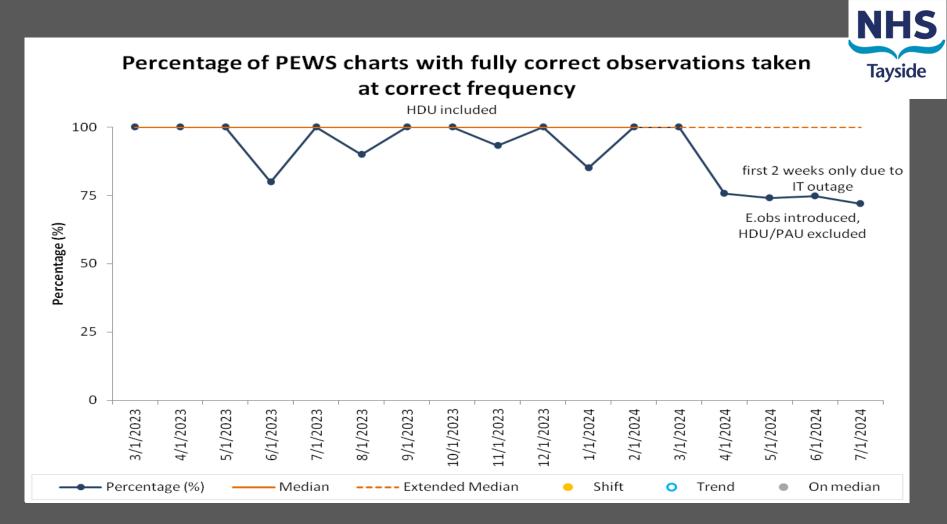
#### Pre implementation

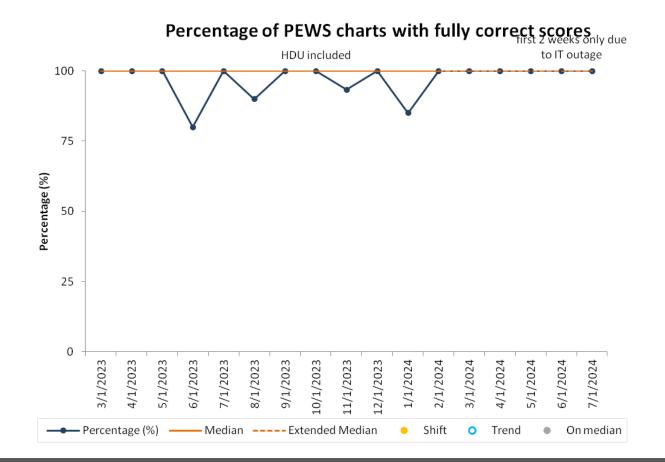
- Variation on data collected
- Relient on physical collection
- Time away from clinical work

#### Post implementation

- No variation
- Collated from E obs system, eliminating human error
- Highlights very quickly areas for improvement









# Feedback from Nursing & Medical



# Next steps

Introduction of visual prompts at each observation completion

Further assessments – Combined lines and Neuro Obs

Introduction of electronic observations into paediatric HDU

Wireless transfer of observation data





# Structured response

Tim Shearman Improvement Advisor





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# Structured response

### What?

 An agreed framework or process for responding to deterioration

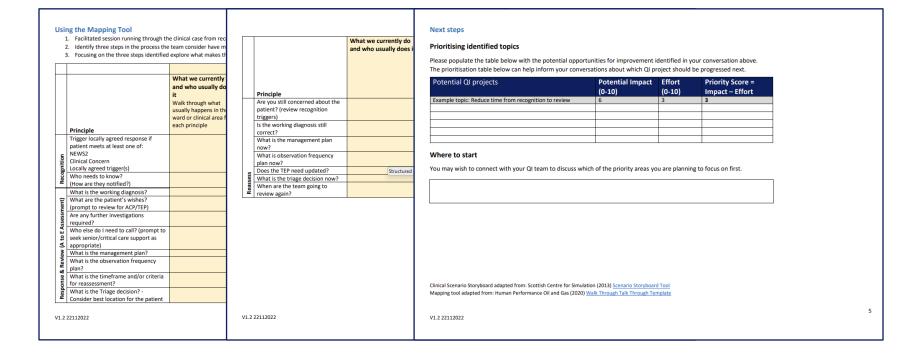
#### Why?

- Could offer decision support
- Improves shared understanding

# How?

- Recognise
- Respond and Review
- Reassess

## Structured response mapping tool





SPSP Acute Adult Deteriorating Patient web page

**Principles of a Structured Response** 

**Structured Response to Deterioration Mapping Tool** 

# Structured response mapping tool...

	everybody ach other	Work through this h level version of the t together ↓		Discuss if/how this tool could be used in your board			
	Underst	anding your response to c	leterioratio	n			
Who should be involved?							
Principles of structured response							
Principle	What do v	we do currently?		How could we improve?			
How do we recognise?							
How do we respond?							
How do we reassess?							



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