

BACKGROUND

Problem statement

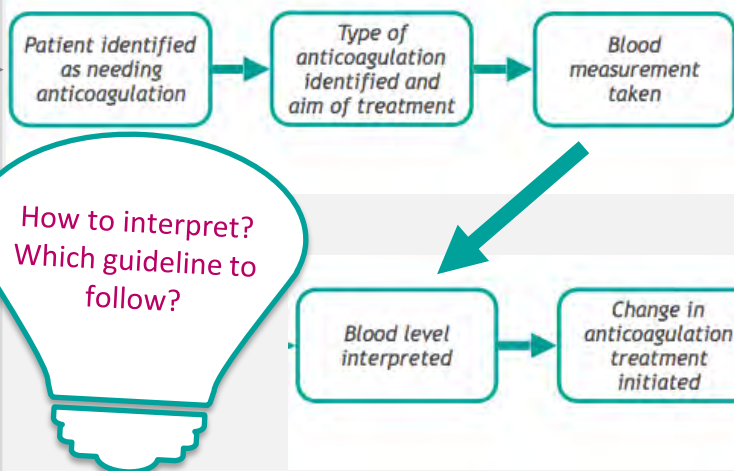
There is confusion over how to implement and monitor anticoagulation using heparin for patients in paediatric intensive care, this could lead to harm from the wrong dose.

There are also multiple recorded incidents involving heparin infusions (3-4 in 2022 so far)

A survey of PICU fellows revealed most felt confused about how to use the guidelines

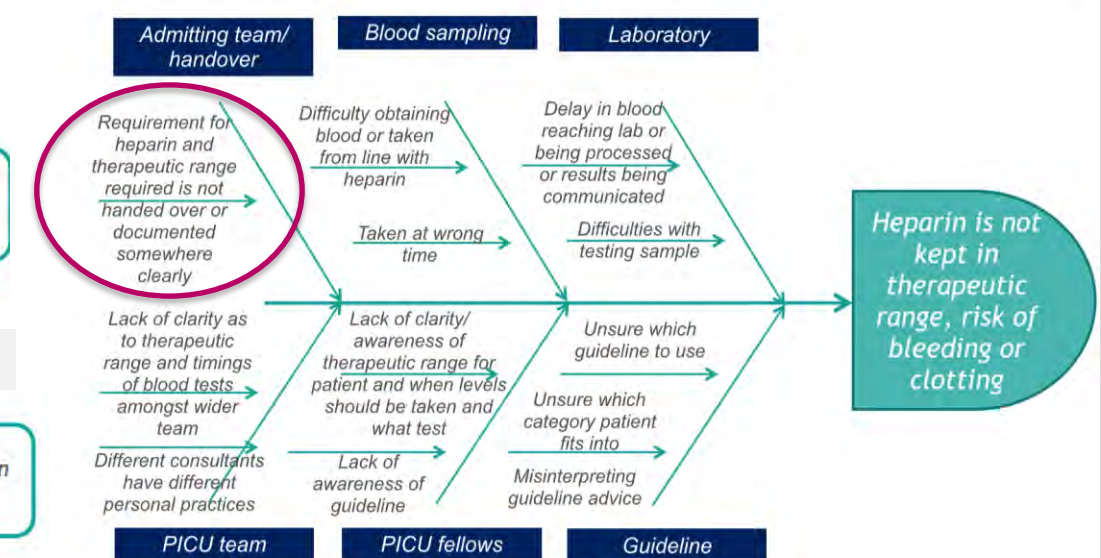
DIAGNOSTICS

High level Process map



How to interpret? Which guideline to follow?

Fishbone diagram template



AIM & MEASUREMENT DEFINITION

All children on heparin infusions should have a documented Anti-Xa therapeutic range in their electronic notes by September 2022

Aim
All children on heparin infusions should have a documented therapeutic range in their electronic notes by September 2022

Chosen measure
AntiXa range written in prescription
Inclusions
All children prescribed heparin infusions

Exclusions
None

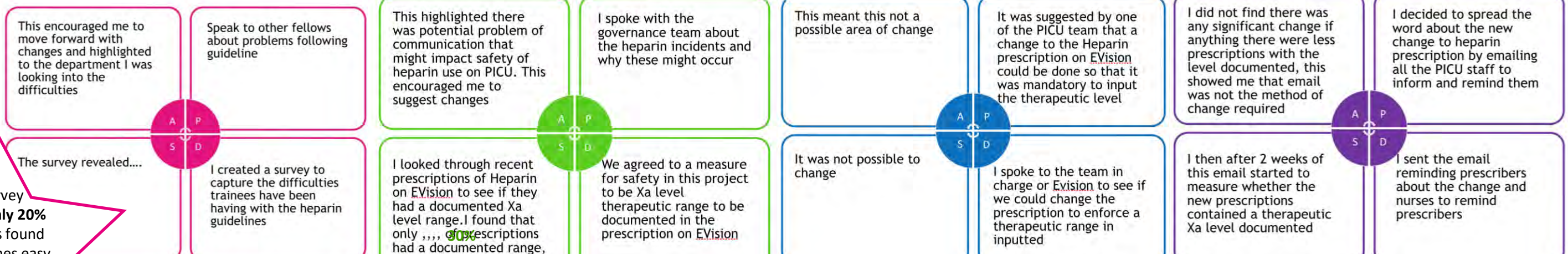
Sampling method and frequency
10 datasets then weekly aim to collect 5 datasets at varying intervals

CHANGE IDEAS

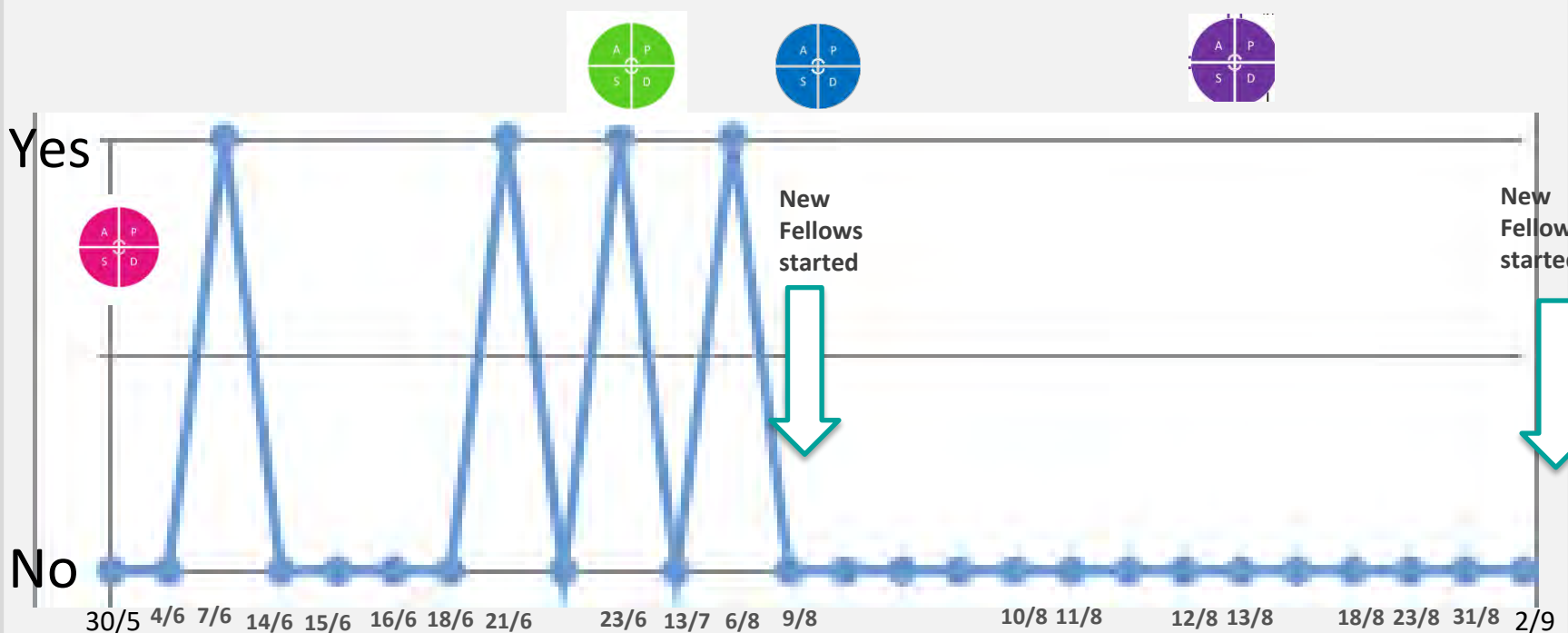
List your change ideas here

	LOGICAL? Definitely = 2 Maybe = 1 No = 0	QUICK & EASY? Definitely = 2 Maybe = 1 No = 0	EXCITES ME? Definitely = 2 Maybe = 1 No = 0	SCORE Logic X Quick X Exciting
Example: My best idea ever!	2	1	2	4
Send an email to remind people	2	2	1	0
Change the guideline	1	0	1	1
Teaching session	2	1	1	2
Poster to remind trainees	2	2	1	4
Prescription formatted to ask for range	2	1	1	2
Pharmacist to remind trainees	2	1	1	2

PDSA cycles



RUN CHART



REFLECTIONS & LEARNING

Model for improvement Reflection & Learning

