

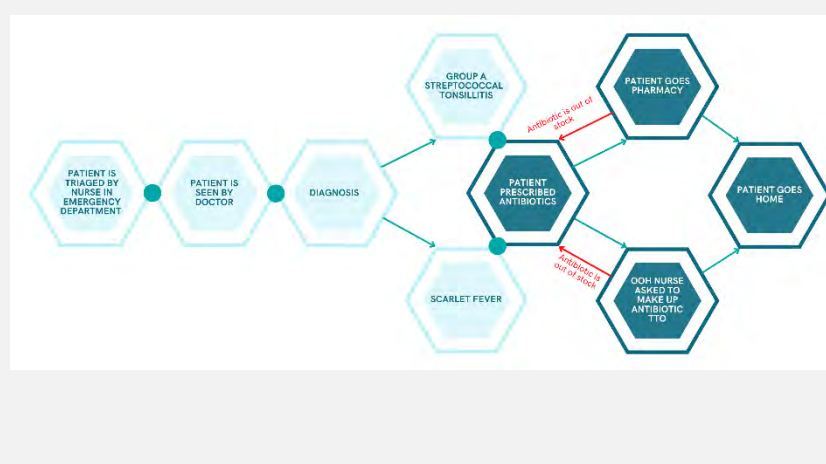
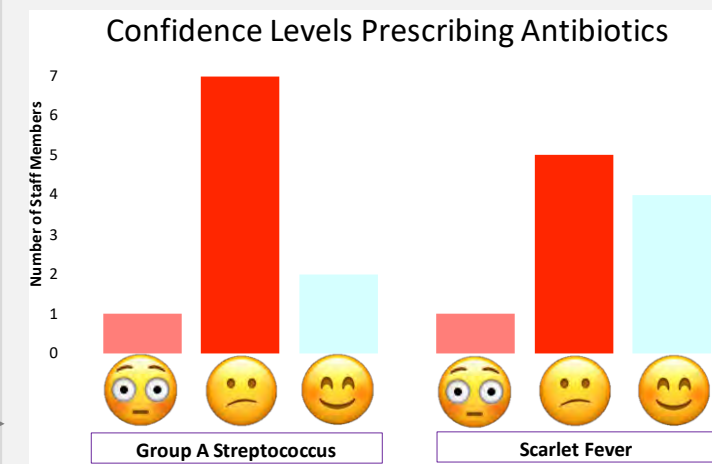
When we are **overrun** with children with Strep A and Scarlet Fever, we **run out** of medicines fast. We hang around to give them. Patients hang around to get them, increasing anxiety and stress in the department.

A&Es 'overflowing' with children hit by winter viruses as Strep A deaths climb to 15

Emergency rooms in England saw record delays with one-third of patients waiting more than four hours to be seen

Thursday 18 December 2022 22:34

DIAGNOSTICS



Share and Learn with a Parent

Waiting in hospital with my unwell child is stressful enough without having to queue at pharmacy for prescrip/ on to then find out the an/ bio/ c/ you prescribed is not available. Having to come back to A&E again to find you to sort out the prescrip/ on is very frustra/ ng and a waste of both my / me and yours.



AIM & MEASUREMENT DEFINITION

Aim
By March 2023, all staff should feel confident about what antibiotic is available to prescribe for Group A Streptococcal Tonsillitis and Scarlet fever within the Paediatric Emergency Department that day.

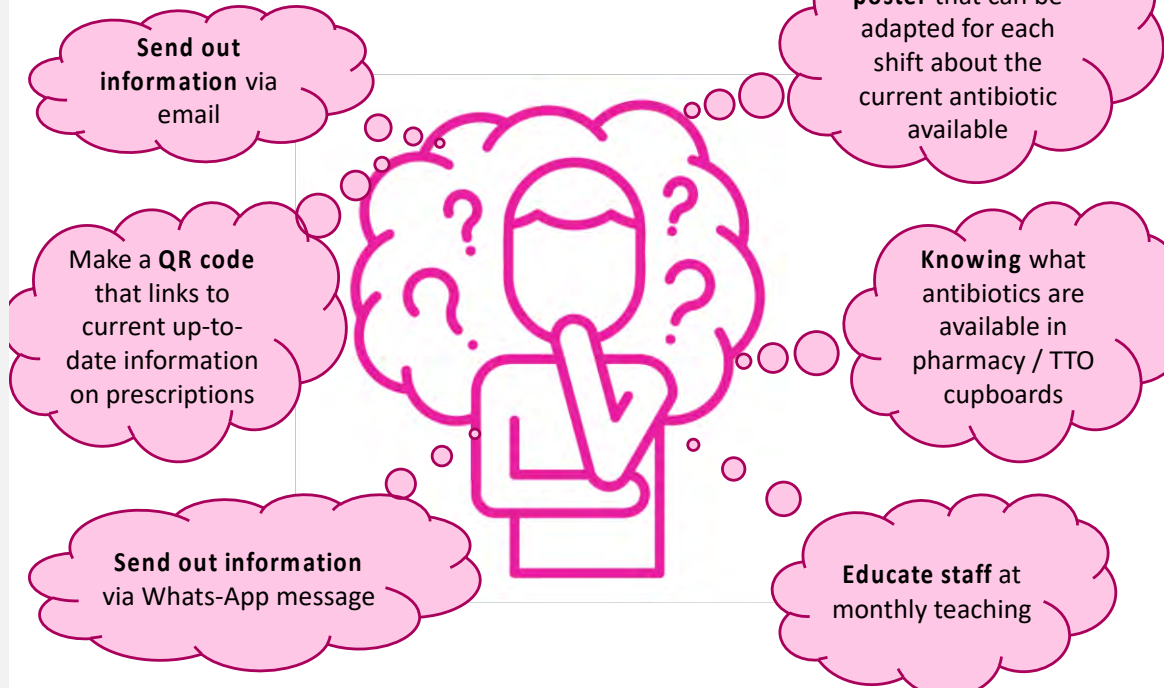
Chosen measure
Self-rated confidence levels about what antibiotic is available to prescribe that shift for treatment of Group A Streptococcal Tonsillitis and Scarlet fever

Inclusions
All Consultants, Registrars, SHOs, and ANPs who assess patients within the paediatric emergency department

Exclusions
Non-prescribers

Sampling method & frequency
Asking "Do you know what antibiotic is available today to prescribe for children who present with Group A Streptococcus / Scarlet Fever? (In pharmacy / our TTO cupboard)"
2 = yes I'm confident it's X, 1 = I think it's X, 0 = I don't know/I'd be guessing!
20 data points collected at baseline, then 5 sampled weekly there after

My Change Ideas



What Antibiotics are available to Prescribe Today

Pharmacy

TTO cupboard

Pharmacy

TTO cupboard

Pharmacy

TTO cupboard

Pharmacy

TTO cupboard

PDSA cycles

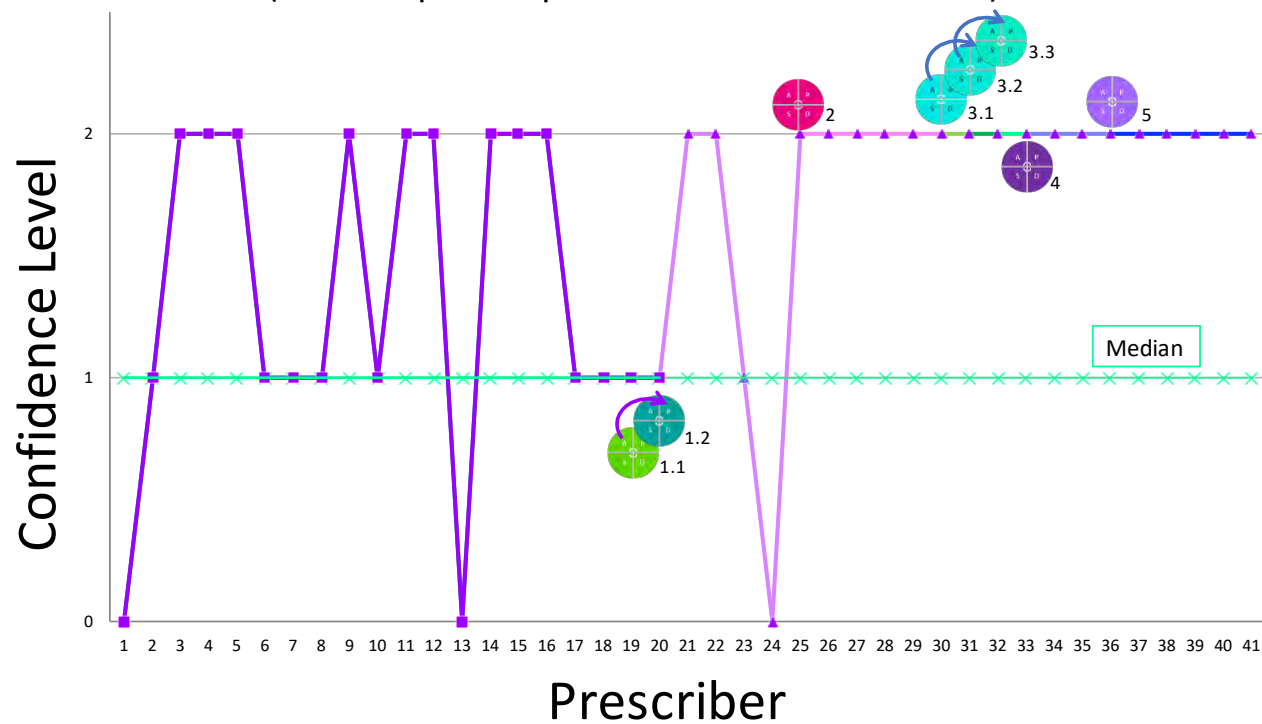
PDSA Test #	PLAN	Do	STUDY	ACT
1.1	Establish antibiotic availability (pharmacy and TTO cupboard) that day	Email pharmacist in charge of stock Email pharmacist in charge GAS/scarlet fever guidelines Look in the TTO cupboard	Guidance is not going to be changed till March Found out antibiotic availability in pharmacy and paediatric TTO cupboard	Help to progress to 1.1
1.2	Establish antibiotic availability (pharmacy and TTO cupboard) that day Send out information on WhatsApp	Call pharmacy for today's stock levels Send out WhatsApp about antibiotics availability	2 read WhatsApp message and knew antibiotic availability 2 didn't read message as not on shift, and didn't check it	ADAPT: - Send information via email to access more people - People read work emails when on shift.
2	Establish antibiotic availability (pharmacy and TTO cupboard) that day Send out information via email	Call pharmacy for today's stock levels Send out email about antibiotics availability	More people received the email Some could not remember it throughout shift Suggested making a poster for quick reference	Make suggested changes Make poster

PDSA Test #	PLAN	Do	STUDY	ACT
3.1	Discuss with 1 staff member - what would they want on Poster?	Complete poster on today's antibiotic availability What works/doesn't work.	Positive - having a visual prompt on availability Suggestions on using images as visual aid of availability	ADAPT: - Make suggested changes - Implement poster with a QR Code
3.2	Establish antibiotic availability (pharmacy and TTO cupboard) that day Update e-poster Share e-poster via QR code	Call pharmacy for today's stock levels Make e-poster Test QR code in doctors office - does it work? can it be used effectively?	Unsuccessful use, in doctors office, of QR code due to poor Wifi Increased time to upload a new PDF every antibiotic change Suggestion for physical poster	ADAPT: - Make suggested changes - Implement with a physical poster
3.3	Print physical poster use Velcro stickers on image of antibiotics available today	Call pharmacy for today's stock levels Make poster Test poster in doctors office - does it work? can it be used effectively?	Positive of using visual pictures of antibiotics available Removal of antibiotic not available keeps it up to date. Negative - where was the poster? Suggestion - location reminder on WhatsApp	ADAPT: - Redistribute by sending out WhatsApp message - Location of poster - How it can be updated throughout shifts based on stock levels

PDSA Test #	PLAN	Do	STUDY	ACT
4	WhatsApp reminder of poster location Reminder of current availability	Call pharmacy for today's stock levels Take photo of poster Share via WhatsApp message	Improved knowledge of poster location Improved knowledge of current availability	ADOPT this poster
5	Present audit data to the paediatric department at Chelsea and Westminster monthly teaching	Present data to junior doctors, consultants, nursing staff and advanced nurse practitioners. Highlight minimum time (70 mins) for parent to get the available antibiotic that day	Data showed: 1. Improved staff confident in knowing antibiotic availability that day 2. Knowledge of poster location	Continue to promote audit Retain good confidence levels at knowing antibiotic availability that day to prescribe

RUN CHART

Prescriber Confidence on Antibiotics Available in the Department Today (for Group A Streptococcus and Scarlet Fever)



REFLECTIONS & LEARNING

Model for improvement Reflection & Learning

