

## REASON WHY?

It has been observed during paediatrics ward rounds that when input/output (IP/OP) charts have not been filled out/not present, it hinders our ability to assess the child's hydration/nutritional status thus affecting the effectiveness of our management plan.

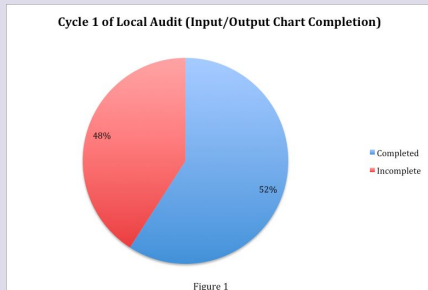


AIM

To improve completion of Fluid balance charts for Paediatric patients at PRH by 30% by 06th May 2023

## PLAN

Following a local audit (Fig. 1) it has been identified that fluid charts are not consistently completed, which provides an opportunity to improve this process that will improve the quality of care we provide to our Paediatric patients.

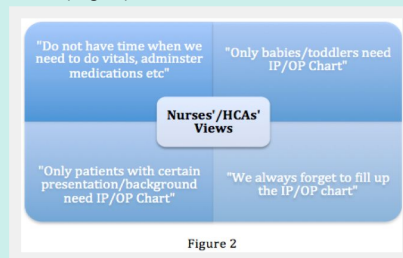


We organised a meeting with a member of the improvement hub to discuss and share our ideas of potential project. We figured that both of us recognised a common issue in paediatrics we would like to address and work towards improving.

## DO

### Method

For the data collection, we went through inpatient medical notes with permission from Paediatrics team; and assessed the completion of IP/OP chart for each patient. Post first cycle of data collection, we held a discussion where nurses were able to openly give their views on input/output charts (Fig. 2)

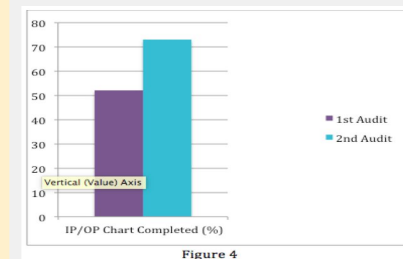
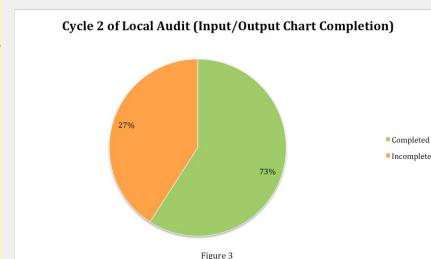


### Intervention

Afterwards, we decided to create and put posters up at the nurses stations as an intervention to aid remembrance. We used the SaTH library services to print. This is a low-cost intervention we could easily implement.

## STUDY

After 4 weeks of the poster being put up, we re-audited (Fig. 3)



### Summary of findings

Comparing the 2 cycles of data we observed a 21% increase in number of charts completed (Fig. 4). Although this shows an improvement, to further attribute a true trend, we could re-audit data on multiple days to ensure results are not biased based on nurses present on that day or more patients with certain conditions (e.g. faltering growth) being present on that day.

### Further outlook

Posters are a reasonably priced tool that require low effort and can be very efficient in aiding remembrance and thus completion of IP/OP charts. This in turn can help flag up problems early on and help doctors with their management plans during ward rounds.

## ACT

Although there is some improvement in the completion of IP/OP charts, there is still scope for improvement.

### Conclusion

To summarise we have:

- Held discussions with nurses to gain their views
- Implemented posters as an intervention aiming to aid remembrance
- Recorded a 21% increase in completion of IP/OP charts after our intervention.

As we have seen some improvement in figures, we have decided posters are a good intervention in improving completion of IP/OP charts

### Next steps:

- Continue placing posters at nurses' stations.
- Send out reminder emails to Nurses/HCAs
- Re-audit a bigger data set