

# Hey, What's the Delay? An Evaluation of Reporting Time for Pediatric EEGs

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## BACKGROUND

- A Pediatric Epilepsy track was added to the Epilepsy Fellowship at Thomas Jefferson University Hospital in July 2017.
- Pediatric fellows are primarily at A.I. DuPont Hospital for Children (AIDHC).
- There was significant delay in 'time to report read', which can delay care and management decisions.
- The delay in reporting was due to multiple factors, including excessive attending workload.
- A method to mitigate the delay is to make this the job of the pediatric epilepsy fellow, with supervision by the Epilepsy attending.

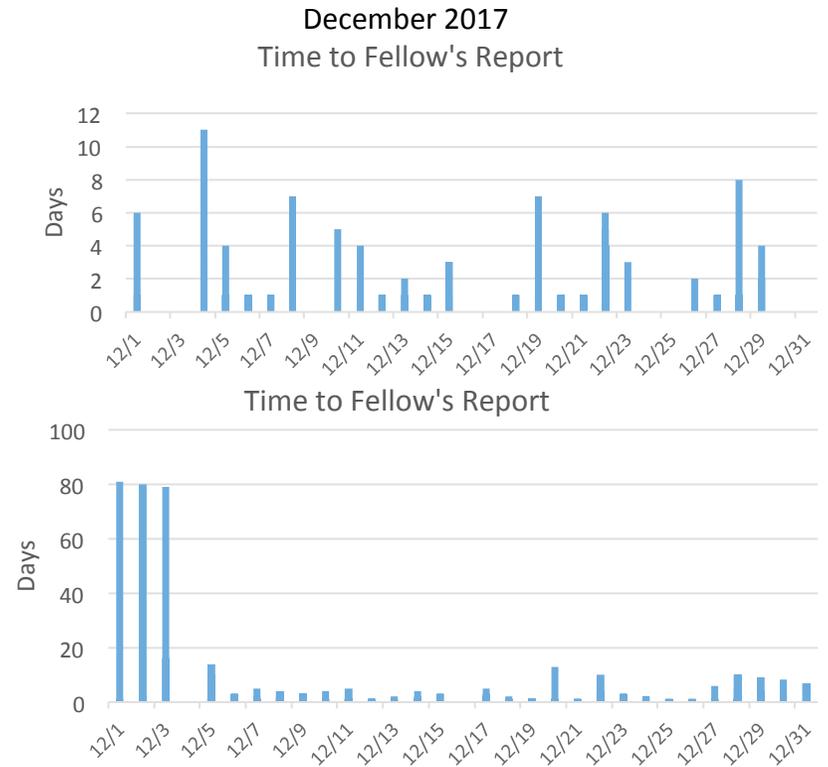
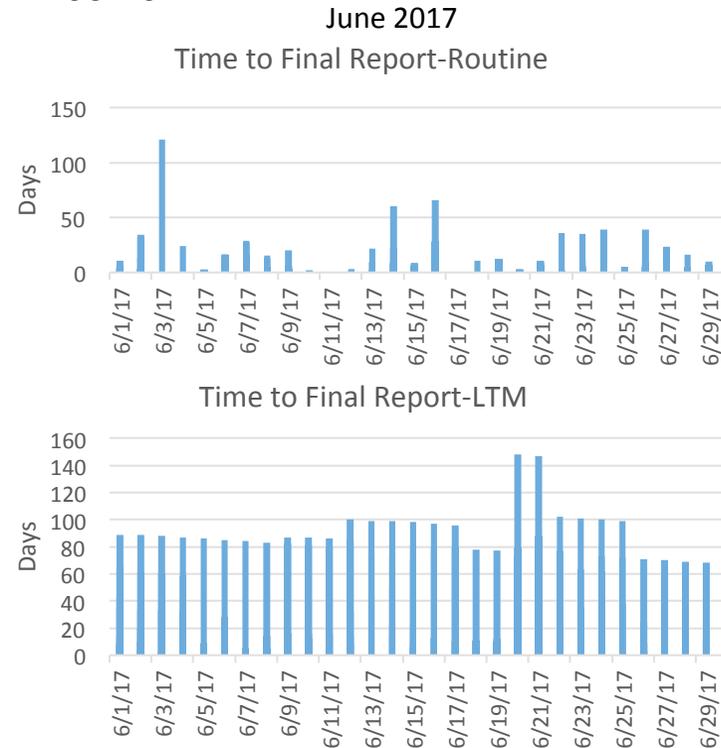
## AIMS

- To determine if there is a reduction in time to EEG reporting after institution of the Pediatric Epilepsy fellowship track.

## METHODS

- We compiled the dates of EEGs that were performed and the dates the reports were submitted in the EMR for the months of June 2017 and December 2017.
- We compared the "time (in days) from the EEG test to the date of the final report" between June, prior to the Pediatric Epilepsy fellows starting at AIDHC, and December 2017.

## RESULTS



Average number of days to report (range; standard deviation)			
	June	December	P-value
<b>Routine EEG</b>	N=173	N=110	<0.0001
	8.95 (0-121; 13.47)	1.42 (0-11; 2)	
<b>LTM EEG</b>	N=149	N=124	<0.0001
	41.41 (0-148; 35.77)	4.54 (0-81; 12.24)	

## DISCUSSION

- After the Pediatric Epilepsy track was established, there has been a significant decrease in the delay to EEG reporting.
- Access to reports within 1 week of the procedure has important clinical impact on medical decision-making.
- Limitations:
  - Possible bias in the EEG time frames sampled.
  - Different attending faculty reading the EEGs.
  - Technical or network issues.
- Further study:
  - Accuracy of Fellow's reports
  - How medical care has been improved after the decreased delay in reporting