For planning and prioritizing morning rounds
For providing an increased level of faculty oversight and awareness of
events, etc.

PURPOSE & LEARNING OBJECTIVES

Reporting of clinically significant events represents an important mechanism for improving quality of care and patient safety. Time pressure and cumbersome reporting tools inhibit physician participation in events reporting. To improve the process, our residency program developed an easy-to-use mobile events reporting platform attached to our existing handoff system. House staff and attending physicians were surveyed for their opinions on the new module.

Objectives:
1. Design a study to evaluate resident physician perceptions of the events reporting system
2. Employ appropriate statistical analyses to evaluate study responses
3. Revise events reporting system to minimize barriers to reporting identified

Table 1 – PDTS reportable events

- Code Blue
- Medication Problem
- Rapid Recognition
- Unexpected transfer to ICU
- Non-fall related injury
- Procedure-related complication
- Illicit intoxication
- Lack of Resources/delays in care
- Unexplained deterioration/exacerbation
- Elapsed OR or AMIA departure
- New neurological symptoms
- Transfusion delays
- Transfusion reaction
- New Pressure sores
- Nosocomial infection
- Other

RESULTS

As a result of the introduction of mobile events reporting, we saw a 2.5-fold increase in reports, from twelve per intern per month to thirty-one per intern per month. A majority of interns felt strongly or somewhat that this mechanism ensured that next providers (93%) and attendings (88%) would be informed of key clinical events which occurred overnight. 68% of residents felt the system was important for identifying systems problems requiring attention, and 63% felt it improved quality of care and patient safety. All of the attendings surveyed agreed that the tool provided them with key information, and improved safety and quality.

CONCLUSIONS

- Physicians willingly participate in clinically significant events reporting
- Faculty and residents perceive significant safety benefits from events reporting
- Ease of use is the most important factor for physician participation
- Mobile platform preferred by house staff, and increased reporting 2.5-fold
- Events reporting is valuable to faculty for:
  - For planning and prioritizing morning rounds
  - For providing feedback to residents
  - For providing an increased level of faculty oversight and awareness of resident on-call activity
- Advances in information technology permit better integration of quality improvement and patient care activities

REFERENCES