Researching the Impact of Medication Reconciliation Technicians (MRTs) in the ED

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They are pharmacy technicians trained to acquire the best possible medication history. Upon admission into the Emergency Department, they are trained to reconcile various sources of medication information including:

- The Patient
- Personal Medication Lists
- Medication bottles/containers
- Pharmacy records
- Primary Care Centers

Time saved by MRTs ranged from 0.01 to 0.06 days.

MRTs save an average of 0.23 days. Patient mortality risk = 5 hours/Patient.

Savings of $36,727 when applied to all 827 MRT treated patients.

Medical Errors and Medication Reconciliation

- 11.8% of 984 Medication events were due to medication reconciliation issues.
- 2.5% of the medication reconciliation errors led to adverse drug events.
- On average cost $1171 per Medication Event.

Medical Error Events from Quarter 4 of 2013 - Quarter 2 of 2014

References:


Outlook for the Future

- Train 15 more MRTs to treat all ED patients for Cedar Crest and Muhlenberg Campuses.
- Decrease the rate of medical errors in order to provide better quality patient care.
- Reduce cost of patient care by decreasing the ALOS, and reducing medication error events.
- Educate patients on the importance of knowing their own medication list.