Glen Cove Hospital
Northwell Health

Emerging Evidence of Fall Reductions Post Implementation of a Remote Video Monitoring System on a Med-Surg/Telemetry Unit in a Community Hospital

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MAGNET RECOGNIZED

Background/Significance

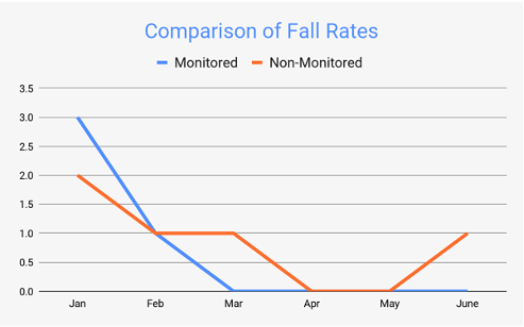
- Each year, around 1 million people in the United States fall in a hospital setting which may result in injuries leading to increased health care utilization (AHRQ 2021).
- Each year, 3 million older adults are treated in emergency departments for fall injuries and over 800,000 patients are hospitalized.
- In 2015, medical costs for falls totaled more than $50 billion.
- Research shows that close to one-third of falls can be prevented.

PICO (T)

- Do in-patients on a Med-Surg/Tele Unit who are on a remote video monitoring system have lower fall rates when compared to those without remote video monitoring?

Evidence

- **Location & Appraisal:** Library Databases One Search, Level III
- **Strength & Quality**: High & Strong
- **Synthesis**: Literature supports the use of remote video monitoring as a safe tool for fall prevention, decreasing the use of 1:1 sitter and decreasing fall rates, and promoting patient safety.



Implementation & Outcome

- Pilot project on using a remote video monitoring system on 8 beds of a Med-Surg/Tele unit.
- A comparison of number of falls on the unit with monitored versus non-monitored beds were obtained 6 months post-implementation.
- Initial evidence is trending toward a 20% decline of falls in monitored beds versus non-monitored beds in the ongoing pilot project on the unit.

Recommendations & Implications for Practice

- Implementation of a remote video monitoring system with high-risk fall patients may prevent fall occurrences on the unit and reduce staffing costs.
- Using innovative technologies like remote video monitoring systems may directly impact patient outcomes related to falls and reduce costs of care.

References

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