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The Impact of Innovative Technology on Quality, Safety and Patient Outcomes

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Objectives

- ▶ Objective I: Demonstrate an understanding of innovation tools used to improve patient safety and support best outcomes.
- ▶ Objective II: Identify the current uses of technology and how technology can impact clinical practices.
- ▶ Objective III: Understand the advantages of using technology in the healthcare arena.

Challenges

- ▶ Healthcare organizations globally face
 - ▶ Escalating costs,
 - ▶ Declining reimbursements
 - ▶ Stricter government regulations
 - ▶ Pressure to improve quality of care quality, lower costs, and streamline newly consolidated operations

Opportunities

- ▶ Leverage technology to:
 - ▶ Streamline workflow processes
 - ▶ Develop staffing guidelines based on patient needs
 - ▶ Automate manual processes
 - ▶ Utilize clinical decision support tools to make decisions that impact nursing care, quality and patient outcomes

FHIR

- ▶ Fast Healthcare Interoperability Resource
- ▶ Actionable data
- ▶ Exchange specific pieces of data to make real-time healthcare decisions

Staffing Based Acuity

- ▶ Patient centered approach to staffing
- ▶ Skill mix analysis (RN/LPN/CAN/MA) input from advisory board
- ▶ Utilizing staffing resources appropriately
- ▶ Data to support budgeting and FTE decisions

Nursing Workflows

- ▶ More than the automation of manual processes
- ▶ Enhance workflows to increase communication throughout the continuum of care.
- ▶ Capturing clinical data

Nursing Informaticians

- ▶ Transform healthcare by:
 - ▶ Analyzing
 - ▶ Designing
 - ▶ Implementing
 - ▶ Evaluating

References

- ▶ Electronic health records improve nursing care, coordination, and patient safety. Agency for Healthcare Research and Quality Web site. <http://www.ahrq.gov/news/newsletters/research-activities/may12/0512RA11.html>. Published May 2012. Accessed January 8, 2016
- ▶ <http://www.americannursestoday.com/wp-content/uploads/2014/03/ant3-Workforce-Management-Acuity-304.pdf>

Discussion Questions

- How are you making staffing decisions?
- Are you using technology to determine staffing needs?
- How do you plan to incorporate technology to impact staff and patient satisfaction?

Thank You

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Please feel free to contact me with any questions