Purpose

- Describe emerging technologies in nursing informatics applications at a hospital, population, and policy levels
- Identify the differences, similarities, and connections between nursing programs and applications at a hospital, population, and policy levels
- Analyze nursing informatics solutions that impact healthcare quality and population health

Background

- Nurses at all levels must understand and engage in the intersection of evidence-based practice (EBP) and technology
- Essentials of Nursing Informatics provides state-of-the-science educational support for nurse learners and informatics faculty. The 7th edition will be published in 2020

Emerging Technologies & Roles

- Informatics nurses develop and support systems that store, retrieve and analyze data integrating evidence from sources like patient data, clinical expertise, and research
- Coded, structured nursing documentation standards can facilitate improved exchange in nursing communication
- Nurses are poised to develop new innovations, embrace innovative thinking, and develop creative applications to support nursing care delivery and develop responses to disaster or emergency situations
- Informatics nurses offer valuable expertise within the clinical setting through optimizing processes and the application of their project management skills
- Nursing informatics in the federal sector provide the basis of novel integrative implications among diverse public healthcare agencies.

Informatics Solutions

- Innovations
- Systems
- Responses
- Evidence integration
- Technology
- Education
- Interface
- Optimization
- Applications
- Programs
- Analysis
- Data Quality
- Interoperability

Reference