Designed specifically for graduate-level nursing informatics courses, this text focuses on using technology with an interprofessional team to improve patient care and safety.

It delivers an expansive and innovative approach to devising practical methods of optimizing technology to foster quality of patient care and support population health initiatives. Based on the requirements of the DNP Essential IV Core Competency for Informatics and aligning with federal policy health initiatives, including the Affordable Care Act, the book describes models of information technology the authors have successfully used in health information technology (HIT) to reinforce core competencies needed in multiple practice settings. Data management and analytics are emphasized in the text, supporting clinical improvement as well as business aspects of the health care system. The authors espouse a hybrid approach to teaching with a merged competency and concept-based curriculum.

With an emphasis on the benefits of an interprofessional team, the book describes the most effective approaches to health care delivery using health information technology. It describes a nursing informatics model that is comprised of three core domains: point-of-care technology, data management and analytics, and patient safety and quality. The final section of the text explores new and emerging technologies, including genomics, nanotechnology, artificial intelligence, data mining, expanded use of electronic measurements, and innovations in patient engagement in social media. Case studies and critical thinking exercises support the concept-based curriculum and facilitate out-of-the-box thinking. While targeted primarily for the nursing arena, the text is also of value in medicine, health information management, occupational therapy, and physical therapy.

Key Features:
- Addresses the DNP Essential IV Core Competency for Informatics
- Focuses specifically on using nursing informatics expertise to improve population health, quality, and safety
- Advocates an interprofessional team approach to optimizing health IT in all practice settings
- Stimulates critical thinking skills that can be applied to all aspects of IT health care delivery
- Discusses the newest approaches to interprofessional education for IT health care delivery

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