This sixth edition of Essentials of Nursing Informatics was initiated in response to requests by educators for a digital version of the publication, a guide for faculty to use in the development of their course work, and by nurse users of the fifth edition. Because of these requests we have expanded the content primarily in the areas: Nursing Informatics Technologies—(a) Computer Hardware, (b) Advanced Hardware and mHealth, (c) Computer Software, (d) Data and Data Processing, (e) System Life Cycle, (f) System Life Cycle Tools, (g) System and Functional Testing. Seven section editors edited the sixth edition content: Nursing Informatics Technologies—Jacqueline Ann Moss, System Life Cycle, Informatics Theory, Standards, Foundations of Nursing Informatics, and Research Applications—Virginia K. Saba, Nursing Informatics Leadership—Kathleen Smith, Advanced Nursing Informatics Practice—Gail E. Latimer, Nursing Informatics—Complex Applications, Big Data Initiatives—Kathleen A. McCormick, Educational Applications—Diane Skiba, and International Perspectives—Susan K. Newbold. In addition, this book includes new content that focuses on innovative expansions in Professional Practice using Nursing Informatics such as (a) The Role of the Nurse Executive in Information Technology Decision-Making, (b) Care Delivery Across the Continuum: Hospital/Community-Home, (c) Foundations of a Nursing Plan of Care Standard, (d) Health Information Technology, (e) Striving to Improve Patient Safety, (f) Federal Health Care Sector Nursing Informatics, (g) Nurse Scheduling and Credentialing Systems, (h) Establishing Nursing Informatics in Public Policy, (i) Nursing Informatics in Retail Clinics, Safety, Global Initiatives, and (j) Big Data.