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Chapter 1 : Electronic Health Records

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Hamilton, Electronic Health Records, 3e is the top choice for training students using live and up-to-date SpringCharts EHR software. Electronic Health Records 3e builds transferable medical documentation skills with a variety of exercises that walk students through different facets of using an EHR in the medical office.

Preface Learning Made Easy walk through Chapter 1: History and Evolution of Electronic Health Records provides a foundation for student learning, introducing concepts and topics that are explained in depth in subsequent chapters. The chapter then discusses why EHRs are important, and the economic, social, and governmental forces that drove their adoption. Illustrated scenarios compare the workflow of a medical office using paper charts versus one using electronic charts, and the differences between inpatient and outpatient settings. Additional topics include how a medical practice is changed by adoption of an EHR, what constitutes meaningful use of an EHR. Patient registration and appointment scheduling are explained as well. Chapter 2 describes the various forms of EHR data and the value of using standardized codes for that data. Guided exercises provide the students with an opportunity to explore a component found in most EHR systems—Document Imaging. Major EHR nomenclatures are discussed. The student not only achieves knowledge of EHR nomenclatures and their history, but also their importance in enabling different healthcare systems to exchange data. Learning Medical Record Software introduces the Quippe Student Edition software, which will be used for the remainder of the book. In a series of brief hands-on exercises, the student becomes familiar with EHR concepts, learns to navigate the software, and creates several actual encounter notes. Students also learn how to produce a PDF of their work to print or download. Critical thinking exercises provide step-by-step instructions, but do not provide screen figures for reference. These help students evaluate how well they can use the Student Edition software. A Testing Your Skill exercise at the end of most chapters challenges students to document a patient encounter from a case study. Data Entry at the Point of Care stresses the importance of entering data at the time of the encounter, not after the fact. Students learn how to increase data entry speed by using EHR features of Lists, Forms, and pertinent negatives. Understanding Electronic Orders continues to build EHR computer skills as students learn how to search the EHR nomenclature and prompt for diagnosis-based order protocols. Students are introduced to computerized order entry and electronic prescriptions that are now required in all certified EHR systems. The workflows of electronic laboratory and radiology order systems are illustrated. Hands-on exercises are used for each feature. Students work with problem lists, create problem-oriented charts, and retrieve pending lab results. Flow Sheets, Annotated Drawings, and Graphs teaches the concept of flow sheets and provides students hands-on experiences using flow sheets for several types of patients. Using the EHR to Improve Patient Health focuses on preventative care with hands-on exercises on pediatric wellness visits, immunizations, and preventative care screening. Students extend their understanding of trending by learning about pediatric growth charts. Preventive care screening is emphasized with hands-on exercises demonstrating clinical quality measures. The concept of Patient-Centered Medical Home also is introduced. Hands-on exercises include using integrated decision support documents, online patient education material, and Internet medical research. Patient entry of symptoms and history using the Internet, and E-visits, are experienced by students first-hand. The chapter also covers what is necessary to secure remote provider access. Privacy and Security of Health Records provides a thorough presentation of HIPAA privacy and security regulations that are of paramount concern in any medical setting. Critical thinking exercises help the learner put the material in context of their experiences. EHR Coding and Reimbursement deals with the fact that providers get paid for the vast majority of their work by filing health insurance claims. Health plans require that the codes billed be supported by the encounter documentation. EHR systems help ensure that the documentation matches the code. Using the EHR, this chapter takes a unique approach that helps the student understand the relationship of the encounter note to the Evaluation and Management codes. Hands-on exercises use visual and tactile methods to simplify complicated

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billing rules and explain how key components determine the billing code.

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Richard Gartee is the author of seven college textbooks on health information technology, computerized medical systems, managed care, and electronic health records. He is also the author of the novel, Lancelot's Grail.