Principles of Health Interoperability HL7 and SNOMED (Health Information Technology Standards)

Tim Benson
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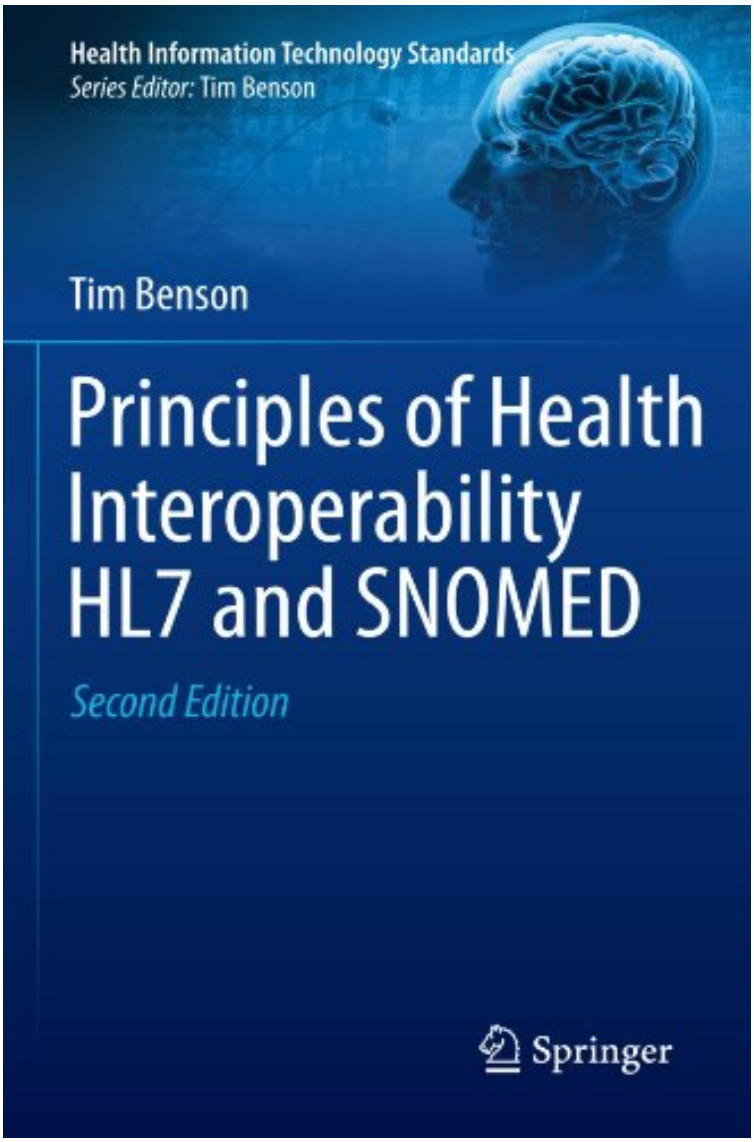

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Tim Benson : Principles of Health Interoperability HL7 and SNOMED (Health Information Technology Standards) before purchasing it in order to gage whether or not it would be worth my time, and all praised Principles of Health Interoperability HL7 and SNOMED (Health Information Technology Standards):

22 of 22 people found the following review helpful. A good introduction to a very tough subjectBy John FaughnanThis is a revised review. I reviewed this book shortly after it came out and give it four stars. That was, however, a bit of a grumpy review. Since then I've made this book the mainstay of the health informatics lectures I do for the U of Minnesota. I would now give it four stars without reservation. In this domain there's no rival to this text.Overall it is a book aimed at an informatics student, written in a telegraphic style that is a good fit for a rather dry but terribly important topic. Only a portion of the book is about HL7 and SNOMED however. Of the 225 pages I found- 74 on modeling and markup topics better addressed in other books- 12 pages on SDOs- 81 pages on HL7 and CDA/CCR/CCD- 26 on SNOMED- 8 pages on using HL7 and SNOMED togetherAlthough I would prefer much less coverage of modeling and markup and more on HL7/SNOMED integration, there's still more than enough material to occupy a typical first class in health informatics. This is a better book for my purposes that the informatics textbooks I've used to date.I hope there will be a 2nd edition. I know I'd buy it!13 of 13 people found the following review helpful. Required Reading For Anyone Involved in Health ITBy CustomerHealth Interoperability is a very timely topic in the USA in large part because of the HITECH act and the huge amount of tax dollars that are going for Electronic Health Records and Information exchanges. Interoperability is impossible without sophisticated standards for both a grammar and vocabulary for health care that can be semantically interpreted by machines. HL7 V3 RIM is the grammar, and SNOMED-CT is the vocabulary that are needed accomplish the goal of semantic interoperability.Before this book, a newcomer would have to read thousands of pages of white papers from HL7, IHE, and IHTSDO (International Standards Development Organizations), and attend meetings for years before seeing how these non trivial standards work together.I'm involved in projects at Kaiser Permanente that rely on SNOMED-CT and HL7. Most of our project managers, or even physician leaders in the organization are not experts in UML, XML, HL7, CDA, or SNOMED. They do not have the opportunity to spend hours reading separate books, attending tutorials or otherwise obtaining the knowledge in this book in an efficient way.Of course if you really want to know UML, or XML or any of these subjects in great depth, there are "better books" available. But this is the only book that put's it all together. I find it an advantage that it is under 300 pages. An interested person can read this book in just a few days, and will then know what otherwise would have been an epic effort to learn. I have given separate talks on many of these subjects, but in any single talk you could not hope to cover all of the material in this book.I have just ordered copies of this book to distribute to my project managers and developers.2 of 2 people found the following review helpful. Great book!By Public ConsumerDoes a great job of easing into the details of why EHR is such a big deal, and how HL7 and SNOMED play an integral part in a successful EHR strategy. Honestly, I thought this book was going to be torturously dry and boring, but I actually enjoyed the read.As an aside, I had this book on my desk today at work, and one of the ladies picked it up, read the back cover, told me I must be really smart, smiled, and turned and swished away. If I end up getting lucky because of this book, I'll be sure to come back and post an update.

Health information technology (HIT) promises to deliver the right information at the right time and the right place. Everybody (patient, clinician, manager and payer) stands to benefit from more soundly based decisions, safer care and less waste, errors, delays and duplicated efforts. This depends on us using computers to share information and make it available when and where it is needed in a way that meets privacy requirements. We need to use appropriate standards to link systems together within and across organizations. Health Level 7 (HL7) and SNOMED CT are two of the key international standards, which underpin efforts to improve health care interoperability. HL7 provides the structure, rather like English grammar, while SNOMED CT provides words that computers can understand. This book provides an introduction to healthcare interoperability in general, and these standards in particular, setting out the core principles in a clear readable way for analysts, students and clinicians to understand. The second edition of this book has been completely revised and extended by four chapters, with new chapters on Privacy and IHE XDS (Cross-enterprise Document Sharing), clinical coding schemes and the SNOMED Concept Model. The book is organized in three parts. The first part covers the principles of health care interoperability, why it matters, why it is hard and why modelling is an important part of the solution. The second part covers the main HL7 standards: Version 2, Version 3 and CDA standards and related IHE profiles. The third part covers clinical terminology and SNOMED CT.

From the Back CoverInteroperability between healthcare computer systems depends on us developing, implementing and deploying appropriate standards, such as HL7 and SNOMED CT, working together as a tightly specified language. The documentation of HL7 and SNOMED runs to tens of thousands of pages and creates a steep learning curve and barrier to entry. Principles of Health Interoperability HL7 and SNOMED provides a clear introduction to these standards, explaining the core principles for the health IT professional, student, clinician and healthcare manager.About the AuthorTim Benson graduated from the University of Nottingham as a mechanical engineer and was introduced to healthcare computing at the Charing Cross Hospital in London (now part of Imperial College Healthcare NHS Trust), where he evaluated the socio-economic benefits of medical computing systems. In 1980 he founded Abies Informatics Ltd, one of the first GP computer suppliers where, with James Read and David Markwell, they developed the Read Codes, which evolved to become the national standard for UK primary care and one of the

two sources of SNOMED CT. In 1990 he led the first European project team to assess the need for open standards in health informatics, which led to the European Committee for Health Informatics Standards (CEN TC251) and two decades of work on interoperability standards and collaboration with HL7. For further information see abies.co.uk