This book is aimed at all those who want to learn about how IT is transforming the way we think about medicine and medical research. How can you make the best use of patient data to improve health outcomes? More and more information about patients' health is stored on increasingly interconnected computer systems. But is it shared in ways that help clinicians care for patients? Could it be better used as a resource for researchers.

The ideas explored here are taken from research carried out around the world, and are presented by a leading authority in Health Informatics based at University College London.

This comprehensive guide to the field is split into three sections:
* What is health informatics? – an introduction
* Techniques for representing and analysing patient data and medical knowledge
* Implementation in the clinical setting: changing practice to improve health care outcomes