Healthcare Domain References

This document contains essential comprehensive references for healthcare information technology professionals.

As there is sea of information available, these references are focused on existing functional standards required for Global Hospital Information System.

These references are useful to software professional to obtain right information regarding healthcare standards and healthcare processes during software development.

Knowledge is the full utilization of information and data, coupled with the potential of people's skills, competencies, ideas, intuitions, commitments and motivations.

In today's economy, knowledge is people, money, leverage, learning, flexibility, power, and competitive advantage.

Knowledge is more relevant to sustained business than capital, labor or land.

**Importance of domain knowledge:**

1) To enhance decisions, services and products through adding intelligence, increasing value and providing flexibility.

2) To implement initiatives such as total quality management (TQM), business process re-engineering (BPR)

3) Create learning organization to sustain competitive position in market.

**Why we need domain Knowledge?**

Software development is a collaborative process that needs to bring together domain expertise with technology expertise and process knowledge.

To serve customers well and remain in business companies must:

A. Reduce their product delivery cycle  
B. Operate with minimum fixed assets and overhead (people, inventory and facilities)  
C. Shorten product development time  
D. Improve customer service  
E. Empower employees  
F. Innovate and deliver high quality products  
G. Enhance flexibility and adoption
H. Capture information, create knowledge, share and learn.

None of this is possible without a continual focus on the creation, updating, availability, quality and use of knowledge by all employees and teams, at work and in the marketplace.

**Journals:**

1) http://www.modernhealthcare.com
2) http://www.healthcareitnews.com
3) http://www.healthcare-informatics.com
4) http://jama.ama-assn.org
5) http://www.pohly.com/mags/journalhealthcareinformation.html
6) http://www.managedcaremag.com
7) http://www.himss.org/asp/jhim_subscriptions.asp

**Periodicals:**

**For comprehensive list of periodicals visit:**
http://www.pohly.com/books_healthcare_magazines_periodicals.html#List

- **ACMPE Executive View** - American College of Medical Practice Executives
- **Action Kit for Hospital Law** - monthly newsletter for hospital executives
- **Administration in Social Work** - from National Network for Social Work Managers
- **Advisor for Medical & Professional Staff Services** - accreditation, credentialing, governance
- **AHA Coding Clinic for ICD-9-CM** - official publication, AHA, AHIMA, CMS, NCHS
- **AHA Coding Clinic for HCPCS** - quarterly coding resource
- **AHA News** - bi-weekly from American Hospital Association
- **Allergy Coding Alert** - coding & reimbursement for allergy services
- **Alternative Medicine Alert** - clinical data supporting or refuting specific uses
- **Ambulatory Coding & Payment Report** - compliance & reimbursement advice
- **American Journal of Health Promotion** - peer-reviewed
- **American Journal of Infection Control / AJIC** - infection control, epidemiology
- **American Journal of Managed Care / AJMC** - clinical, economic, policy, finance & delivery
- **American Journal of Nursing / AJN** - award-winning, peer-reviewed, monthly journal
- **American Journal of Public Health** - from American Public Health Association
- **American Medical News / AMNews** - news effecting medical practice,
  AMA BEST-SELLER!
- **Anesthesia & Pain Management Coding Alert** - expert coding advice
- **Annals of Health Law** - healthcare corporate, medical regulatory, bioethical issues
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<tr>
<th>Magazine/Book/Subscription</th>
<th>Description</th>
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<tr>
<td><strong>APC Advisor</strong></td>
<td>detailed guidance, updates, rules, tools</td>
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<td><strong>APC Answer Letter</strong></td>
<td>monthly coding guidance &amp; solutions</td>
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<tr>
<td><strong>Artificial Intelligence in Medicine</strong></td>
<td>theory &amp; practice of artificial intelligence in health care</td>
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<td><strong>Audiology Coding &amp; Billing Alert</strong></td>
<td>strategies to maximize audiologist reimbursement</td>
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<td><strong>Billing Alert for Long-Term Care</strong></td>
<td>documentation &amp; Part A guidance</td>
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<tr>
<td><strong>Bioethics</strong></td>
<td>ethical, legal &amp; policy issues, arguments, debates</td>
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<td><strong>BioScan</strong></td>
<td>biotech industry reports, new products</td>
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<td><strong>BMJ / British Medical Journal</strong></td>
<td>International Edition</td>
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<tr>
<td><strong>Briefings on Ambulatory Accreditation</strong></td>
<td>compliance for JCAHO &amp; AAAHC</td>
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<td><strong>Briefings on APCs</strong></td>
<td>coding, compliance, processes</td>
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<tr>
<td><strong>Briefings on Coding Compliance Strategies</strong></td>
<td>documentation &amp; billing rules</td>
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<tr>
<td><strong>Briefings on HIPAA</strong></td>
<td>security, transactions, training</td>
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<tr>
<td><strong>Briefings on Hospital Safety</strong></td>
<td>covers JCAHO, OSHA, EPA, NFPA, FDA, NRC, etc.</td>
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<td><strong>Briefings on JCAHO</strong></td>
<td>policies, forms, advice</td>
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<tr>
<td><strong>Briefings on Long-Term Care Regulations</strong></td>
<td>CMS, PPS, etc.</td>
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<tr>
<td><strong>Briefings on Outpatient Rehab</strong></td>
<td>reimbursement &amp; regulations</td>
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<tr>
<td><strong>Briefings on Patient Safety</strong></td>
<td>best practices, advice</td>
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<td><strong>Briefings on Quality Improvement &amp; Data Reporting</strong></td>
<td>outcomes, compliance</td>
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<tr>
<td><strong>Capitation Management Report</strong></td>
<td>challenges, opportunities, advice</td>
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<tr>
<td><strong>Capitation Rates &amp; Data</strong></td>
<td>rates, benchmarks, contracting</td>
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<tr>
<td><strong>Cardiology Coding Alert</strong></td>
<td>expert coding &amp; compliance advice</td>
</tr>
<tr>
<td><strong>Care Industry Survey, Healthcare &amp; Managed Care</strong></td>
<td>Standard &amp; Poors, healthcare investing info</td>
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<tr>
<td><strong>Case Management Advisor</strong></td>
<td>ethical &amp; legal issues, case load management, disease issues</td>
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<tr>
<td><strong>Case Management Training Monthly</strong></td>
<td>case studies, practices, strategies</td>
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<tr>
<td><strong>CenterWatch</strong></td>
<td>news &amp; grant leads for clinical trials</td>
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<tr>
<td><strong>CIN / Computers, Informatics, Nursing</strong></td>
<td>dedicated to computers in nursing practice</td>
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<tr>
<td><strong>Clinical Coding &amp; Reimbursement</strong></td>
<td>inpatient &amp; outpatient compliance</td>
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<tr>
<td><strong>Clinical Examples in Radiology</strong></td>
<td>guide to CPT coding &amp; billing, AMA</td>
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<tr>
<td><strong>Clinical Trials Administrator</strong></td>
<td>training, documentation, budgeting, protocols, quality, safety</td>
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<tr>
<td><strong>Clinical Trials Compliance</strong></td>
<td>OHRP, CMS, FDA, HIPAA, etc.</td>
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<td><strong>CodeManager</strong></td>
<td>software, data, quarterly updates from AMA</td>
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<tr>
<td><strong>Coding &amp; Medicare Updates</strong></td>
<td>compliance guidelines for Medicare &amp; private insurance</td>
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<tr>
<td><strong>Competency Management Advisor</strong></td>
<td>for nursing &amp; clinical managers, compliance</td>
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<tr>
<td><strong>Computerized Medical Imaging &amp; Graphics</strong></td>
<td>latest info on computer applications</td>
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<tr>
<td><strong>Computer Methods &amp; Programs in Biomedicine</strong></td>
<td>computing software &amp; applications</td>
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<td><strong>Computers in Biology &amp; Medicine</strong></td>
<td>applications in bioscience and medicine</td>
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<td><strong>Consumer Driven Healthcare</strong></td>
<td>planning, marketing, contracting, operational</td>
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strategies
Contemporary Long Term Care - nursing homes, assisted living, SNF, elder communities
CPT Assistant - important guidance for billing procedures & coding
CPT Changes - companion to CPT Assistant
Credentialing Resource Center - resources, updates & rules for privileging
Dermatology Coding Alert - billing & coding advice for dermatology practice
Directory of Health Plans - current year, hundreds of MCOs & PPOs
Directory of Privately Owned Hospitals & Hospital Management Companies - FAH
Disease Management Advisor - analyses, strategies, paths, forms
Disease Management News - outcomes, technology, strategies, competition
Doctor's Office - marketing, cash flow, billing procedures
ED Coding Alert - expert coding advice
ED Legal Letter - risk management in emergency departments
ED Management - business & management of emergency medical care
eHealthcare Strategies & Trends - internet strategies for healthcare
Electronic Health Records Briefing - monthly newsletter
Employer Health Benefit Facts, Trends & Data - current year, up-to-date
Environment of Care News - from JCAHO, EC standards for accreditation
Family Practice Coding Alert - expert compliance & coding advice
Family Practice Management - from AAFP, tools for better practices
Frontiers of Health Services Management - ACHE, evolving trends
Gastroenterology Coding Alert - expert coding & compliance tools
General Surgery Coding Alert - compliance & coding advice
Group Practice Journal - AMGA, American Medical Group Association
Guide to Medical Privacy & HIPAA - complete manual, plus monthly updates
H&HN's Most Wired Magazine - hospital information technology
Hand Surgery Coding Alert - coding & compliance for hand surgeons
Harvard Management Update - new ideas, trends, real world expertise
Healthcare Benchmarks & Quality Improvement - data & quality tools
Healthcare Business Market Research - data, statistics, strategic planning resources
Health Care Competency & Credentialing Report - for HR professionals
Healthcare Design - medical building & facilities design
Healthcare Executive - from American College of Healthcare Executives
Healthcare Financial Management - HFMA
Health Care Fraud Report - for healthcare leaders & compliance teams
Healthcare Hazard Control - environmental health, safety & security resources
Healthcare Hazard Management Monitor / HHMM - environmental health, safety, security
Healthcare Informatics - all aspects of computerization & automation
Healthcare Life Safety Compliance - JCAHO, NFPA, Environment of Care, etc.
Health Care Management Review - by leading health care executives, peer-
reviewed
Health Care Manager - for professionals in managerial or supervisory roles
Healthcare Marketing Report - HMR Publications Group
Health Care Policy Report - healthcare policy, regulation, news
Health Care Program Compliance Guide & Library - Medicare, Medicaid, TRICARE
Healthcare Risk Control - comprehensive risk management resource
Healthcare Risk Management - guidance for healthcare risk managers
Health Devices Alerts - medical device hazard & recall info & research
Health Expectations - international journal, patient-focused care & health policy
Health Facilities Management - from AHA, ASHE & ASHES, facility management
Health Information Compliance Alert - monthly guide, HIPAA mandates, compliance
Health Law & Business Series & Library - critical issues, in-depth analyses
Health Law Reporter - for healthcare compliance officers, lawyers
Health Law Week - latest court rulings affecting healthcare providers
Health Lawyer - from American Bar Association, Health Law section
HealthLeaders - coverage of industry problems, issues, trends
Health Plan & Provider Report - laws & policies effecting health plans & providers
Health Policy - published by Elsevier
Health Policy & Planning - by Oxford University Press
Health Services Research / HSR - AcademyHealth, Health Research & Educational Trust
HIPAA Security & Privacy Regulations Compliance Quarterly - HFMA recommended
HIPAA Training Alert - strategies, documents, news
Home Care Week - reimbursement, industry trends, fraud & abuse, contracting
Home Health ICD-9 Alert - monthly newsletter
Hospice Management Advisor - accreditation, reimbursement, liability & more
Hospital Access Management - admissions, billing, compliance
Hospital Case Management - monthly up-to-date information
Hospital Employee Health - critical info for employee health program
Hospital Home Health - business, regulatory, reimbursement & clinical concerns
Hospital Infection Control - comprehensive & expert articles
Hospitalist & Inpatient Management Report - clinical & financial data, strategies, templates
Hospital Liability & Litigation Alert - risk management & compliance monthly
Hospital Litigation Reporter - decisions affecting healthcare facilities; useful for risk management
Hospital Peer Review - accreditation, QI, UR, peer review process
Hospital Pharmacy Regulation Report - comply with JCAHO, CMS, HIPAA, safety goals
Hospitals & Health Networks / H&HN - from American Hospital Association
Infection Control & Hospital Epidemiology - IC in healthcare facilities
Internal Medicine Coding Alert - expert compliance & reimbursement advice
International Journal for Quality in Health Care - quality, safety, interdisciplinary
International Journal of Health Planning & Management - planning, management
International Journal of Medical Informatics - computer systems, practices
IRB Advisor - regulatory, administrative & management issues
JAMA / Journal of the American Medical Association - AMA medical journal
JCAHO Advisor for Behavioral Health Care Providers - accreditation, compliance
JCAHO Advisor for Health Care Human Resources - JCAHO accreditation for your HR
Joint Commission Benchmark - for performance improvement professionals
Joint Commission Journal on Quality & Patient Safety - JCAHO, quality improvement
Joint Commission Perspectives - official JCAHO updates, extremely important
Joint Commission Perspectives on Patient Safety - analyzing & preventing errors
Joint Commission: The Source - expands on Perspectives; CQI from JCAHO
JONA's Healthcare Law Ethics & Regulation - nursing care management
Journal for Healthcare Quality - from National Association for Healthcare Quality
Journal for Nurses in Staff Development - issues & innovations impacting staff development
Journal of AHIMA - from American Health Information Management Association
Journal of Ambulatory Care Management / JACM - issues in ambulatory care
Journal of Behavioral Health Services & Research - peer-reviewed, multidisciplinary
Journal of Healthcare Information Management / JHIM - information management
Journal of Healthcare Management - American College of Healthcare Executives
Journal of Health Economics - economics of health & medical care
Journal of Health Law - by American Health Lawyers Association
Journal of Hospital Infection - from the Hospital Infection Society
Journal of Hospital Librarianship - technical & administrative issues of hospital libraries
Journal of Medical Practice Management - law, litigation, office management, key issues
Journal of Nursing Administration / JONA - geared to top-level nurse executives
Journal of Nursing Care Quality - quality principles & concepts in practice
Journal of Patient Safety - advances & applications, every area of patient safety
Journal of Public Health Management & Practice - design, implementation, health programs
Journal of Rural Health - by the National Rural Health Association
Journal of the American Association for Medical Transcription / JAAMT - transcription
Journal of the American Medical Directors Association / JAMDA - long-term care
Journal of the American Medical Informatics Association / JAMIA - MIS, HIS
Laboratory Compliance Manager - guidance regarding APCs, CMS, CLIA, etc.
Laboratory Errors & Patient Safety - best practices, studies, QI, management
Laboratory Reimbursement & Compliance Alert - CLIA, Stark II, HIPAA, other regs
Lancet / North American Edition - worldwide research in medicine
Lippincott's Case Management - managing the process of patient care
Long-Term Care Report - issues shaping the long-term industry
Long-Term Care Survey Alert - JCAHO & state survey guidance
Mammography Regulation Report - compliance, FDA, reimbursement, safety
Managed Care Report - regulatory updates, business strategies, litigation, etc.
Managing the Margin - from HFMA, income generating strategies, controlling costs BEST SELLER!
Marketing Health Services - from American Marketing Association, healthcare strategies
Materials Management in Healthcare - purchasing, managing supplies & equipment
MDS Alert - compliance, reimbursement, revenue enhancement
Medical Environment Update - OSHA, CDC, EPA, NIOSH & other regulatory compliance
Medical Ethics Advisor - ethical controversies, developments, liabilities, standards, policies
Medical Marketing & Media / MM&M - articles on marketing & promotion
Medical Office Billing & Collections Alert - optimizing billing, collections, medical practices
Medical Office HIPAA Alert - health information management & compliance
Medical Office Manager - professional newsletter for managers of doctors' offices
Medical Office Nurse - management & compliance guidance
Medical Office Receptionist - expert advice for smooth operations
Medical Records Briefing - advice regarding legal, financial, HR issues, privacy
Medical Research Law & Policy Report - rules & legal issues for researchers
Medicare Compliance Week - weekly reports regarding regs & compliance
Medicare Legislation & Regulation - news & analysis, weekly
Medicine & Health - weekly news, health policy developments
MGMA Connexion - from the Medical Group Management Association
Milbank Quarterly - social, legal, ethical dimensions of health care policy
Modern Healthcare - the only health care business news weekly★
Modern Physician / MP Quarterly - business news & info for physician leaders & execs
NAHDO News - from the National Association of Health Data Organizations
National Correct Coding Manual - quarterly updates, current CPT, CMS & NCCI★
(The) Nation's Health - official newspaper of American Public Health Association
Neurology Coding Alert - compliance advice from experts
Neurosurgery Coding Alert - expert coding techniques ★ Best Seller!
Nurse Educator - peer-reviewed, developments, innovations in nursing education
Nursing Administration Quarterly / NAQ - management of nursing services★
Nursing Home Law & Litigation Report - recent cases & settlements in long-term care
Nursing Home Regulations Manual & Updates - guide to standards & rules for compliance
Nursing Homes: Long Term Care Management - enhancing success & performance
Nursing Management - success strategies for health care managers & leaders★
OASIS Alert - requirements, strategies, home health billing
OB-GYN Coding Alert - expert coding advice
Oncology Coding Alert - compliance guidance from experts ★ Best Seller!
Operating Room Risk Management - OR management-assistance program★
Ophthalmology Coding Alert - expert up-to-date coding advice ★ Best Seller!
Optometry Coding & Billing Alert - compliance & reimbursement
Oral & Maxillofacial Coding & Billing Alert - reimbursement, compliance & management
Orthopedic Coding Alert - tools to optimize reimbursement★
Otolaryngology Coding Alert - coding & compliance
Outpatient Physical Therapy Coding Alert - monthly coding guidance for PT, OT, rehab★
Pain Management Coding Alert - expert coding alerts
Part B Insider - news, analysis, Medicare Part B, regulation, reimbursement
Pathology / Lab Coding Alert - reimbursement & compliance strategies★
Pediatric Coding Alert - expert coding advice
Performance Improvement Advisor - cases, data, profiling, paths, guidelines
PFS Advisor: Comprehensive Revenue Cycle Resource - patient financial services
Physical Medicine & Rehab Coding Alert - compliance & reimbursement advice
Physician Executive - from American College of Physician Executives, ACPE ★ Best Seller!
Physician Referral & Telephone Triage Times - marketing, technology, protocols, legal issues
Plunkett’s Health Care Industry Almanac - published annually
Point of Care: The Journal of Near-Patient Testing & Technology - hospital testing
Postacute Payment Report - benchmarks, strategies, regulatory updates
PPS Alert for Long-Term Care - documentation rules, reimbursement
Private Practice Success - business, reimbursement, finance, technology
Psychiatric Times - widely read publication in behavioral health & psychiatry
Public Administration Review / PAR - American Society for Public Administration
Pulmonology Coding Alert - reimbursement, coding, compliance
Quality & Safety in Health Care - studies, standards, measurement, quality
Quality Letter for Healthcare Leaders - health care quality improvement
Quality Management in Health Care - peer-reviewed, quarterly
Radiology Coding Alert - reimbursement & compliance
Radiology Compliance Manager - coding & billing guidance
Red Book Update - monthly drug & product pricing information & more
Rehab Report - mastering the business side of rehab
Reimbursement Management Update - all areas of healthcare billing & regulations
Residency Program Alert - management, law, compliance, finance
Revenue-Cycle Strategist - from HFMA, tools for revenue-cycle performance
Senior Care Management - strategies for Medicare risk success
State Health Care Regulatory Developments - US state healthcare regulation
State Health Watch - developments at state & county level
Strategic Health Care Marketing - marketing strategies & plans
Strategies for Nurse Managers - advice, tips, best practices
Trustee - for governing boards of health care systems & hospitals
Urology Coding Alert - expert coding advice
USP DI - Desktop Series - label & off-label prescription drug info
Value in Health - outcomes studies, health care interventions, medical procedures, devices

Websites:

1) http://www.openehr.org
2) http://www.himss.org
3) http://www.fiercehealthcare.com
4) http://www.informatics-review.com
5) http://www.hipax.de/pageseng/service/hipaxcnf.htm
Medical Software, Electronic Data & Healthcare CD-ROMs:

- **AHA Guide** - current year guide to companies, hospitals, leaders
- **Almanac of Hospital Financial & Operating Indicators** - Ingenix
- **CliniTrend for Windows** - patient care documentation, ASHP
- **CodeManager** - AMA, coding software
- **CodeSearch Pro** - medical coding software
- **CPT Assistant Archives** - CD-ROMs from AMA
- **CPT Changes: CD-ROM** - current editions, AMA
- **CPT, Codes on CD-ROM** - AMA, both ASCII & EBCDIC versions
- **CPT / RVU, Codes on CD-ROM** - AMA, new coding resources here
- **CPT / RVU, Codes on CD-ROM** - PMIC, new coding resources here
- **Dorland's Illustrated Medical Dictionary** - current edition
- **Dragon Naturally Speaking Medical Solutions** - voice recognition software
- **Essential RBRVs** - Ingenix, book & CD-ROM, 2005 & 2006 editions
- **Healthcare Product Comparison** - digital, always current
- **HIPAA Checkup** - automated compliance tools
- **Hospital Chargemaster Guide** - HFMA / Ingenix
- **Hospital Statistics: Analysis & Comparison of Hospital Trends** - AHA
- **HCPCS Codes on CD-ROM** - AMA
- **HCPCS Codes on CD-ROM** - PMIC, new coding resources here
- **ICD-9-CM Data Files on CD-ROM** - AMA
- **Medicare Correct Coding Guide** - Ingenix, always current, both ring-binder & CD-ROM
- **Medicare Fee Calculator** - AMA
- **MedTeach** - ASHP, patient education software
- **Microsoft Excel** - current versions
- **Microsoft Office** - current versions
- **Mosby's Nursing Drug Reference** - book, CD, or PDA
- **PaperPort Pro** - document management
- **PDR / Physician's Desk Reference** - both book & electronic versions
- **RBRVS Payment Calculator** - AMA, 2005 & 2006 editions

Healthcare Portals:

Healthcare portals are a point of single access for practitioners, employees as well as patients. This enables more effective communication, better event scheduling, employee hiring, online shopping of medical supplies, retrieval and updating of personal health records etc.

Mandatory healthcare compliance regulations:

HL7
http://www.hl7.org/about/

http://www.cdisc.org/publications/hl7presentations.html

http://www.healthlanguage.com/

Mandatory Clinical coding standards/National standard terminology:

ICD 10
http://www.who.int/classifications/icd/en/

CPT (Current Procedure Terminology)

SNOWMED CT (Systematized Nomenclature of Medicine Clinical Terms)
http://www.snomed.org/snomedct/index.html

XML
http://healthcare.xml.org/

www.x12.org

Six Sigma
http://healthcare.isixsigma.com/

LOINC codes
http://www.regenstrief.org/loinc/

Emerging point of care terminology
MEDCIN
Above clinical terminology and data standards are necessary to achieve interoperability of healthcare information systems.

Books:

HL7 messaging

Description:
The HL7 (Health Level 7) communication standard is developed for the Health Care domain and facilitates the exchange of messages between Health Care Information Systems such as radiology, laboratory, patient scheduling, billing, etc. This book provides a comprehensive guide to the HL7 version 2.x standard. The reader does not need to have any experience with the HL7 standard. This book will be of particular value to anyone working in the imaging domain as frequent references are made to the IHE (Integrating the Health Care Enterprise) standard, which defines profiles especially for the imaging domain.

The book will provide the reader with a detailed explanation of the version 2.x messaging. It makes extensive use of examples. It is especially useful for those who are planning to implement, support, and/or need a good understanding of the standard. The intended audience is engineers, system administrators, interface engineers, IT personnel, and anyone who wants to get a thorough overview of this messaging protocol.

The author is Mike Henderson, who is a true HL7 veteran. He has a long time involvement with the standardization effort, as member and/or chair of HL7 working groups, and has a broad experience in the healthcare industry actually implementing this standard. In addition, he has taught on this subject for several years in locations as far as Brazil and India, and obviously, in many locations across the U.S. Herman Oosterwijk, co-chair of the HL7 working group for Imaging and Integration has contributed to this book as we

PACS fundamentals Book
Description:

With the growth of PACS installations, there is a need to educate potential users, managers, and people who support these systems about the fundamentals of the PACS technology. That is the objective of this book: to provide a basic understanding of PACS technology, as well as lessons learned from those who have used it for many years.

The PACS Fundamentals book is not a comprehensive discussion about all the different technologies used with these systems. Rather this manual is an introduction for a potential or current user who needs to better understand PACS background and technology in order to better perform their job whether it's using the system, supporting, managing, or even selling it. This book is used as supporting material in the OTech PACS system administrator training workshops and as part of the several PACS e-learning classes that OTech provides, and can also be used very well as a stand-alone textbook.

Its intended audience is primarily PACS system administrators. However, it is also intended for biomedical engineers, and administrators who support and manage these systems. Even users such as technologists or physicians who would like a better understanding of the basics of the system will benefit from this book.

The author of this book is Herman Oosterwijk, MS, MBA, who is an experienced teacher and trainer on the subject of PACS and connectivity, especially the DICOM and HL7 communication standards. Herman Oosterwijk has an extensive background in PACS through his previous experience as PACS program manager with Philips, AT&T and Kodak, and recently as president of OTech Inc., a healthcare technology consulting and training company.

Several industry experts have previewed PACS Fundamentals. Following are some of their comments:

"This book provides a much-needed user description of PACS and associated topics. A review of this book enables the current PACS user, and future users, to understand the fundamentals of their system. Herman Oosterwijk’s clear and directed writing enables the reader to understand the uses of PACS,” Samuel J. Dwyer III, Ph.D., fellow SCAR, Professor of Radiology, University of Virginia.


**DICOM Basics Book**
Description:
Learning about DICOM is like learning another language. When you are not familiar with that language, you don't understand what people talk about. The objective of the “DICOM Basics” book is to break down the language barrier that exists between the providers of the equipment that have DICOM functionality, its features ranging from very simple to a full range of sophisticated services, and the user community.

In addition, one will understand what the basic components are of this communications standard so that one can determine the impact of this standard on the operation in an institution. Based on the objective description above, it should be clear that this book is a must for everyone who is involved with the specification and implementation of a Picture Archiving and Communication Systems (PACS) in an institution. That includes IT personnel, biomedical engineers, physicists, radiology administrators, chief technologists, and personnel from radiology, cardiology, etc.

This third edition is improved by adding several clarifications and figures based on feedback from our readers. It is updated with the latest additions to the DICOM standard, including the 2004 printed version and any changes that have been made as far as spring 2005. It has 50 more pages of information compared with version 2, and has more details on Structured Report extensions, additions for clinical trials, color consistency, web access to DICOM objects and configuration management.

The author is Herman Oosterwijk, MSc, MBA, who has been involved with the DICOM standardization effort since its inception in 1983 as the ACR-NEMA standard. Herman Oosterwijk has trained thousands of people around the world on the subject of DICOM. His book is based on his teaching experience and the many classes and seminars.

This book is not intended to be a comprehensive handbook or programmers guide for DICOM software implementers, nor is it intended to be a “DICOM for Dummies”, i.e. provide a simple user guide for every DICOM related question. It is rather a simple reference for people who like to understand the basics of the Digital Imaging and Communications (DICOM) standard. Happy reading!


by Joseph M. DeLuca, Rebecca Enmark

Health care information technology (IT) is an essential management tool in the modern delivery environment.

Yet for many CEO's and other senior executives, finding easy-to-use resources that help bridge the gap between general management
practices and the discipline of health care information systems technology has been a daunting challenge.

Here, the authors offer a variety of tools and techniques for planning and managing health care information systems. Most important, they review the 10 major applications of IT, including financial, managed care, and clinical systems, and identify eight critical factors for successfully managing an information systems department. This book provides guidance and resources for these areas:

- Health Care Information Technology.
- Information Systems Features and Functions.
- The Integrated Delivery System.
- The Systems Life Cycle.
- Managing Health Care Information Technology.


Focusing on the value of new information technologies, it offers a broad view of health care systems, and outlines the information technology development cycle. With a minimum of technical language, the book describes the major components, functions, capabilities, and life cycle of health information systems.

Joseph M. DeLuca, FACHE, is president of Information Technology Optimizers, a business unit of Health Care Investment Visions LLC. He works with health care leaders in the planning, design, and implementation of health care information systems focusing upon the strategic use of information systems technology to support strategy, financial, operations, and medical service requirements. Rebecca Enmark is research director of Health Care Investment Visions LLC, a research and business development corporation serving the health care information technology industry. She works closely with health care organizations as well as entrepreneurs advising the more health care market, technology, company and success behaviors.

For books on Healthcare Information technology visit http://www.informatics-review.com/readings.html

**Radiology Information System standard:**

**DICOM** (Digital Imaging and Communications in Medicine)
http://www.sph.sc.edu/comd/ordon/dicom.html

http://www.xray.hmc.psu.edu/physresources/dicom/

**PACS** (Picture Archiving and Communications. System)
http://www.connectingforhealth.nhs.uk/pacs/
Health Policy website
http://www.healthpolicymonitor.org/index.jsp

Useful certifications for healthcare IT professional:

Project management

HL7

Healthcare IT certification
http://www.continuingstudies.uconn.edu/professional/health/ithealth.html
http://www.hl7.org/about/

HIPAA
http://www.hipaacademy.net/HIPAA_Training/chp.html

HIPAA academy in the USA offers all level of HIPAA training & certification. A certification program has been developed by HIPAA, which is available through prometric testing. Certifications include Certified HIPAA Administrator (CHA), Certified HIPAA Professional (CHP) & Certified HIPAA Security Specialist (CHSS)

Six Sigma
http://www.6sigma.us/six-sigma-healthcare.php

Medical Billing
http://www.ambanet.net/cmrs.htm

Forum:
http://www.medicalcomputingtoday.com/index.html
http://www.shimagine.co.uk/Forum/display_topic_threads.asp?ForumID=3&TopicID=29&PagePosition=1

Healthcare Consulting Companies:
http://www.pwchealth.com
www.perotsystems.com
(OTech is a training and consulting company focused on helping clients understand and implement healthcare technology solutions like HIPPA, HL7, PACS, DICOM)

Medical Billing:
http://www.hcsinteractant.com/Services/HIPAA.cfm

Health Insurance:
http://www.cms.hhs.gov/default.asp?

Hospital function Workflows:

User groups:

PACS user groups

Microsoft healthcare user group:
http://www.mshug.org/ASP/index.asp

Telemedicine:
http://www.vitelnet.com/Telemedicine/tm_main.htm

Healthcare Blog
http://www.thehealthcareblog.com/the_health_care_blog/2005/06/tech_conversati.html