Clinical Decision Support: Information Needs, Tools, History and Future

Clinical Decision Making

Informatics and Clinical Decision Support (CDS)

CDS Tools: Historical ("Doc in a Box")

Lessons Learned

CDS Tools: Future ("Patient Processor", MINDscape)

Conclusion

Recommended Readings
- Physicians' information needs: analysis of questions asked during clinical teaching, Osheroff, Forsythe, Buchanan, Bankowitz, Blumenfeld, Miller. *Ann Intern Med 1991;114;576-81*
- What clinical information do doctors need?, Smith, *Brit Med Jour, 1996:313,1062-8*
- Medical Data: Their Acquisition, Storage and Use, Chapter 2, p37-69, *Medical Informatics - Computer Applications in Health Care, Shortliffe, Perreault, 1990*

- Medical heuristics: the silent adjudicators of clinical practice, McDonald, *Ann Intern Med 1996;124,56-62*
- Medical Decision Making: Probabilistic Medical Reasoning, Chapter 3, p 70-116, *Medical Informatics - Computer Applications in Health Care, Shortliffe, Perreault, 1990*
- The process of diagnosis, Chapter 6, 133-157, *Information and Medicine - The Nature of Medical Descriptions, Blois, 1984,* *(out of print)*

- Medical informatics and pediatrics: decision support systems, Johnson & Feldman, *Arch Pediatr Adolesc Med 1995:1371-1380*
- Clinical Decision Support Systems, Chapter 15, p 466-503, *Medical Informatics - Computer Applications in Health Care, Shortliffe, Perreault, 1990*

- The organization of the digital library, Braude, Florance, Frisse, Fuller, *Acad Med 1995:70,286-91*
- IAIMS: http://healthlinks.washington.edu/iaims/
- MINDscape: http://healthlinks.washington.edu/courses/sthi/970211/