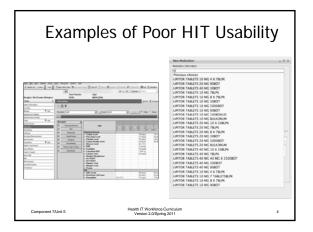


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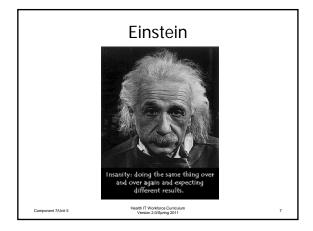






## Strategies for Bottlenecks

- Know your user
  - -
- Educate
- Assure easy access to maps Source: http://www.heathcare-informatik workstations/devices
- · Advocate for integrated systems
- Prepare for process change & learning curves
- Systems must support entire care team





## Reviewing the Objectives

- Define usability and its relationship to HIT systems.
- Explain the impact of HIT usability on user satisfaction, adoption, and workarounds including error rates and unintended consequences.

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• Provide alternatives to HIT usability bottlenecks.





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## References

- Ergonomic Requirements for Office Work with Visual Display Terminals (VDTs) Part 11 Guidance on Usability. ISO/IEC 9241 11:1998 (E). Geneva, Switzerland. 1998.
  Guappone KP, Ash JS, Sittig DF. Field Evaluation of Commercial Computerized Provider Order Entry Systems in Community Hospitals. AMIA Annu Symp Proc. 2008. Available from: http://www.nbi.imm.nih.gov/pmc/articles/PMC2655948/7tool-pubmed
  Koppel R, Wetterneck T, Telles JL. Workarounds to Barcode Medication Administration Systems: Their Occurrences, Causes, and Threats to Patient Safety. Jour Amer Med Inform Assoc. 2008; 15(4): 408-423. Available from: http://www.ncbi.imm.nih.gov/pmc/articles/PMC2442264/?tool=pmcentrez
  Campell EM, Guappone KP, Sittig DF, Dykstra RH, Ash JS. Computerized Provider Order Entry Adoption: Implications for Clinical Workflow. J Gen Intern Med. 2009; 24(1) 21-26. Available from: http://www.ncbi.imm.nih.gov/pmc/articles/PMC24057519/
  HIMSS EHR Usability Task Force. Defining and Testing EMR Usability: Principles and Proposed Methods of EMR Usability Evaluation and Rating. 2009. Available from: http://www.himss.org/content/files/HIMSS\_DefiningandTestingEMRUsability.pdf
  Usability Basics. Available from: http://www.usability.gov/basics/index.html

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