

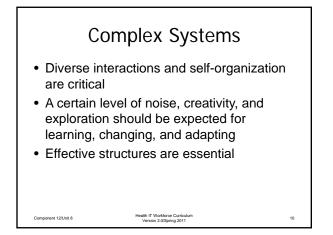
#### Implementation Contextual Implementation Model

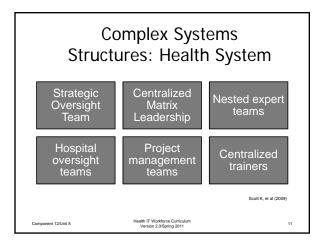
#### Individual Context

- Diverse ways of working
- · Diverse ways of thinking
- Diverse ways of communicating
- Diverse ways of collaborating
- Computer literacy
- Keyboard skills

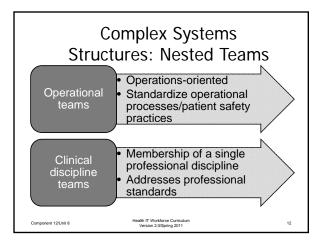
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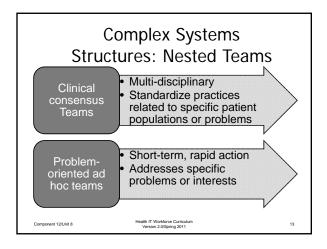




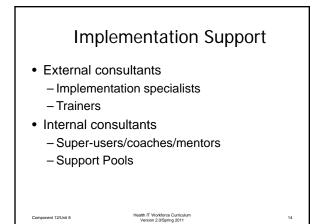












#### Implementation Support External Consultants

- Have expertise in use of the particular software application
- Have experience on go-live teams in a wide variety of settings
- Often lack knowledge of specific organizational policies and workflows
- More costly than using internal consultants

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#### Implementation Support Internal Consultants

- Clinical personnel, usually nurses
- Have training and knowledge beyond the usual end-user for the given software application
- Link the clinical world with the IT world
- Have a variety of titles: super-users, coaches, mentors
- Informal or formal roles

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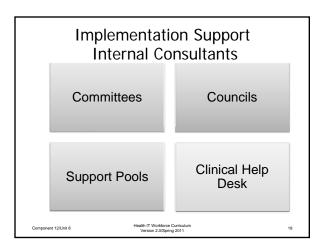
#### Implementation Support Internal Consultants

- Serve as champions for the new system
- Promote adoption

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- Assist with/reinforce training
- Assist with developing policies and procedures, including downtime
- Liaison between clinical and IT staff
- Perform competency testing
- Provide quality oversight

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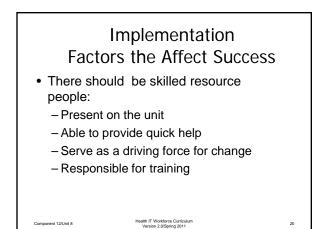


# Implementation Factors the Affect Success

- It is not possible to designate a single implementation strategy that works in all settings
- End user support (or lack thereof) is a significant factor in both successful (and failed) implementations
- Long-term attention to end user training and support is the key to data quality

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### Summary

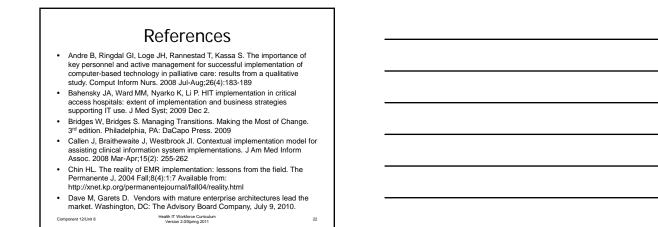
- No best way to implement HIT
- Contextual factors are important for implementation planning
- End-user education and support are critical to success

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• Long-term training and support drive quality.

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## References

- Ford EW, Menachemi N, Huerta TR, Yu F. Hospital IT adoption strategies associated with implementation success: implications for achieving meaningful use. J Healthc Manag. 2010 May-Jun;55(3):175-88; discussion 188-9.
- Glaser J. Implementing electronic health records: 10 factors for success. Health Finance Manage. 2009 Jan;63(1):50-2, 54.
- Gruber D, Cummings GG, Leblanc L, Smith DL. Factors influencing outcomes of clinical information systems implementation: a systematic review. Comput Inform Nurs. 2009 May-Jun;27(3):151-163
- Lorenzi NM, Kouroubali A, Detmer DE, Bloomrosen M. How to successfully select and implement electronic health records (EHR) in small ambulatory practice settings. BCM Med Inform Decis Mak. 2009 Feb 23:9-15.
- McNeive JE. Super users have great value in your organization. Comput Inform Nurs. 2009 May-Jun;27(3):136-9.
- Mickan S, Rodger S. Characteristics of effective teams: a literature review. Aust Health Rev 2000;23(3):201-208.

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#### References

- Mickan SM, Rodger SA, Effective health care teams; a model of six characteristics developed form shared perceptions. J Interprof Care. 2005 Aug;19(4):358-70.
- Sargeant J, Loney E, Murphy G. Effective interprofessional teams: "contact is not enough" to build teams. J Contin Educ Health Prof. 2008 Fall;28(4):228-234.
- Scott K, Van Norman J. Managing the complexity of a systemwide electronic medical record design and implementation: lessons for nurse leaders. Nurs Adm Q 2009 Apr-Jun;33(2):109-115
- Terry A, Thorpe CF, Giles G, Brown JB, Harris SB, Reid GJ, Thind A, Stewart M. Implementing electronic health records. Key factors in primary care. Can Fam Physician. 2008 May;54(7):730-736.
- Owens K. EMR implementation: big bang or a phased approach? J Med Pract Manage. 2008 Mar-Apr;23(5):279-81.
- Whittenburg L. Analysis of nursing workflow documentation in the electronic health record. J Healthc Inf Manag. 2010 Summer;24(3):71-5.

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