

Component 8 Installation and Maintenance of Health IT Systems

Unit 11 Pilot Testing and Full-Scale Deployment This material was developed by Duke University, funded by the Department of Health and Human Services, Office of the National Coordinator for Health Information Technology under Award Number IU24OC000024.



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Pilot Group Training and Implementation

- Treat it as a mini-rollout.
- Being a pilot site requires flexibility on timelines and functionality.
- Devise contingency plans.

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• IT support resources must be committed and immediately available after go-live.

Pilot Group Training and Implementation (cont'd)

- Standardized communication process, with single liaison
- Formalize orientation process for new members, outlining policies and procedures that underlie decisions made at organizational level.
- Consider rolling out more complex modules (e.g. charge capture) later on, after user confidence & familiarity have grown.

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• Involve everyone in decision-making: physicians, nurses, admin, financial, etc.

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Pilot Group Training and Implementation (cont'd)

- Medication dosages and instructions in EHR should be reviewed by independent experts.
- Pilot testers should report potential mistakes.
- System stability is essential for building user confidence in system, even during pilot & beta phases.

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Learning from Your Pilot Test

- Review pilot user feedback & make necessary adjustments.
- · Develop surveys addressing:
 - Workflow changes

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- Interface problems, adjustments needed
- Data errors or failure
- Keep journal of experiences & processes.
- Conduct post-implementation review.



Planning Implementation: "Big Bang" vs. Phased

Difficult decision

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- "Big Bang": whole organization at same time
 Pro: finish quickly; avoid separate processes for same task.
 - Con: size of project can cause chaos (especially in large organizations).
- Phased: users &/or functions introduced over time
 - Consider less-interactive functions first; e.g. scanning, result reviewing.

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Implementation Tips

- Train, evaluate, & support users throughout process.
 - Essential for optimizing user efficiency, effectiveness, & system adoptability
 - Builds user confidence
- Test system thoroughly, before & after final roll-out.
 - Resolve issues, problems, bugs ASAP.

Implementation Tips (cont'd)

- Users determine success.
 - Support them from beginning, through training, and into post-implementation support.
- Ultimate goal is NOT to implement health IT

 ... but to maximize efficiency, quality, & effectiveness of care.
- Be proactive in organizational policy.
 Facilitate user adoption through training and continued support.

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Closing the Gap: Post-Implementation • Maintenance and update phase begins. • Repeat baseline system performance test. • Continue support and development. • Solicit user feedback. • Resolve issues promptly, and consider suggestions for improvement. • Hold meetings: • Project review (stakeholders, key players) • Customer acceptance (vendor)





