



Who Is This and What Is Her Significance?



The Evolution of Health Information Technology (Health IT)

- Health information technology provides a mechanism for refocusing care delivery around consumers without substantial regulation and industry upheaval.
- Information technology can result in better care (care that is higher in quality, safer, and more consumer responsive) and at the same time, more efficient (care that is appropriate, available, and less wasteful).



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The Evolution of Hospital Information Systems (con't)		
2000 s		
HEALTHCARE DRIVERS	IT DRIVERS	RESULTING HIT
 More integration Beginnings of outcomes- based reimbursement 	 More of everything Mobility Emerging cloud computers 	 Emerging, broad-based clinical decision support Broad operational departmental systems with EMR integration Emerging data warehousing and analytics solutions
Sildes from "HealthCare Information Systems: From Past to Present by Health Catalyst		
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The Understanding of Health IT has Changed

- Health IT is an important quality factor, but an enormous cost factor as well. It is also becoming a productivity factor.
- Information through an electronic system should offer a holistic view of the patient and of the hospital.
- A information system can be regarded as the memory and nervous system of a hospital or physician network



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The Benefits of Health IT

Clinical Processes

- Streamline, structure order process
- Ensure completeness, correctness
- Supply patient data
- Redundant test reminders
- Structured ordering with counterdetailing
- Consequent or corollary orders
- Reduced transcription costs
- Reduced chart pulls

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- Improved clinical messaging and workflow
- Improved referral coordination
- Improved patient communication and service

Medication Utilization

- Perform drug interaction checks
- Check for duplicate medications
- Brand to generic substitutions
- Calculate and adjust doses based upon age, weight, renal function
- Alternative cost-effective therapies
- Formulary compliance
- Indication-based ordering

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