MIS 3534 Fall 2016 – Strategic Management of Information Technology Week 3 – IT and Competitive Strategies (II)

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We will discuss ...

- Why merger and acquisitions (M&A)
- Why M&A in the healthcare industry
- How Trinity's M&A strategy drives its IT management





Strategy 101 (1/2)

- Competitive strategy: how a business firm competes in a particular business or industry (Institute for Strategy and Competitiveness, HBS)
 - how a company can gain a competitive advantage through a distinctive way of competing
- Examples?
 - introducing new products
 - lowering prices
 - entering new markets
 - providing superior services
 - M&A, diversification, vertical integration



http://www.blackjack.org/strategy/



Strategy 101 (2/2)

- Competitive advantage: strategic advantage a firm has over its rivals within its competitive industry
 - A product or service that customers place greater value than on similar offerings from competitors
 - Some competitive advantages do not last long (i.e. temporal competitive advantages),
 - since competitors keep copying, imitating, or replicating.
- Sustainable competitive advantages is a basis for long-term profitability for the firm
 - achieving financial performance that consistently outperforms industry peers

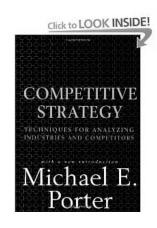


Steps in Strategy Formulation

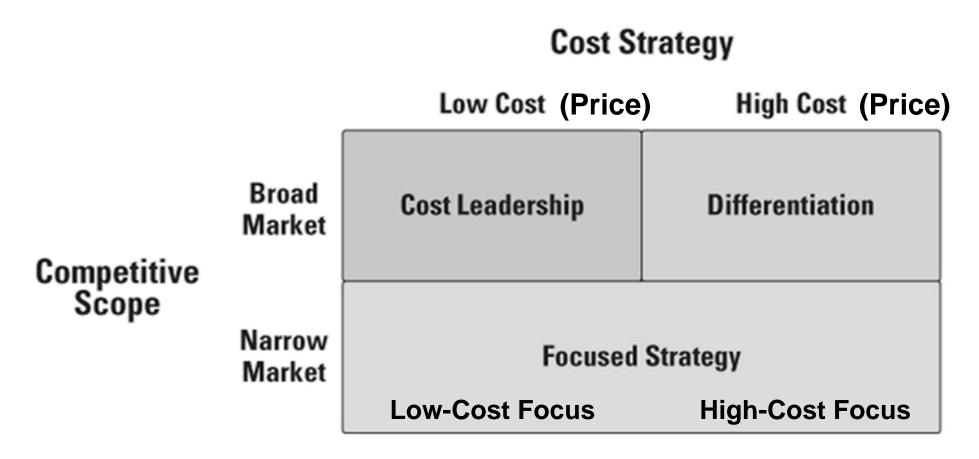
- Where to play: look out industries or markets and figure out which one is profitable
 - The five forces model for competitive analysis
- How to play: choose specific business strategies
 - The three types of generic strategies
- Play with what: know what is needed to succeed in the competitive industry (tools, skills, muscles, ...)
 - Core competencies



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Generic Strategies





Cost Strategy



Competitive Scope

Narrow Market



Cost Strategy

Low Cost

High Cost

Competitive Scope Broad Market

Narrow Market



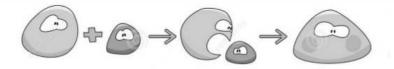
http://crux-xlri.com/porter%E2%80%99s-generic-strategies/



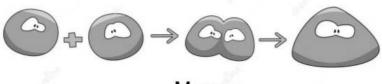
Why merger and acquisitions (M&A)?

- Why does a company acquire and merge another?
- Find out with your classmates!

WHAT IS MERGER & ACQUISITION?



Acquisition



Merger

 $\underline{http://www.slideshare.net/SandeepMane22/merger-acquisition-of-tata-jaguar-land-rover-demerger-of-hero-honda-26823281}$



Why M&A?

- To enter a new market for growth
- To reduce costs (economies of scale, synergies)
- To diversify (economies of scope)
- To acquire new assets (e.g. factories, brands)
- To achieve vertical integration
- To kill competition
- To get bigger!

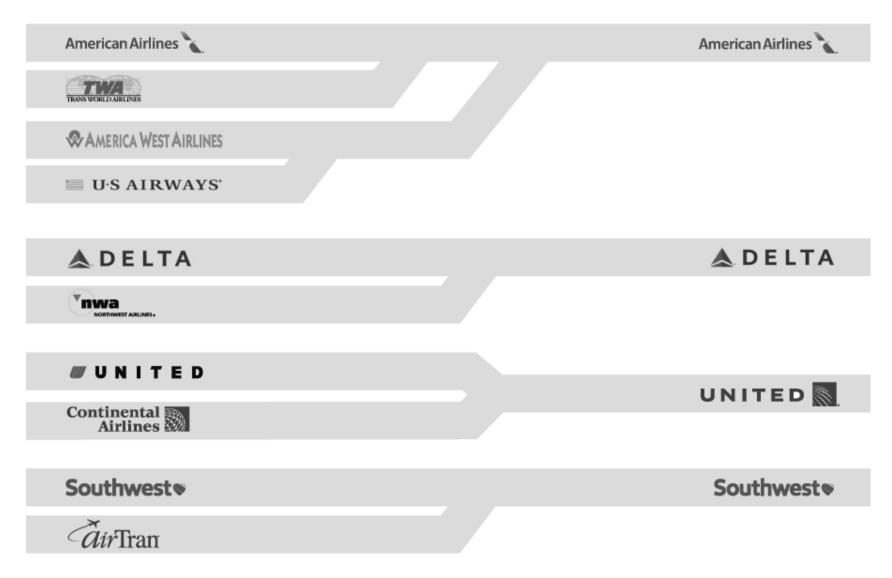


http://blog.vistage.com/business-strategy-and-management/mergers-and-acquisitions-understanding-the-essentials-of-stra tegy-and-execution-in-the-ma-ecosystem-part-1-of-4/



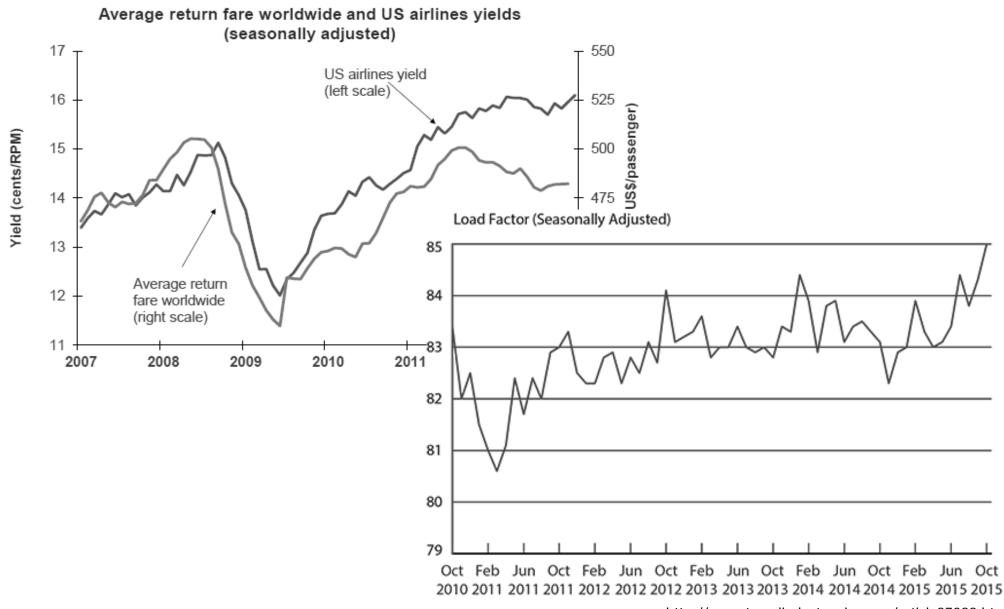
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CONSOLIDATION STRENGTHENED THE U.S. AIRLINE INDUSTRY



www.usfunds.com





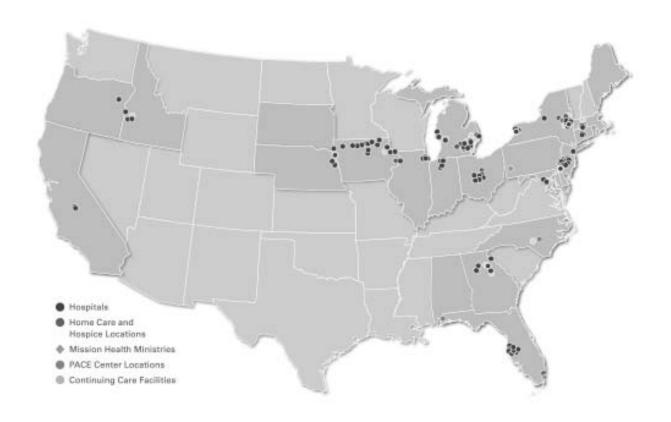
http://www.travelindustrywire.com/article87388.html

 $\underline{http://centreforaviation.com/analysis/us-airlines-finally-find-business-stability-but-government-intervention-threatens-to-thwart-profits-103400}$



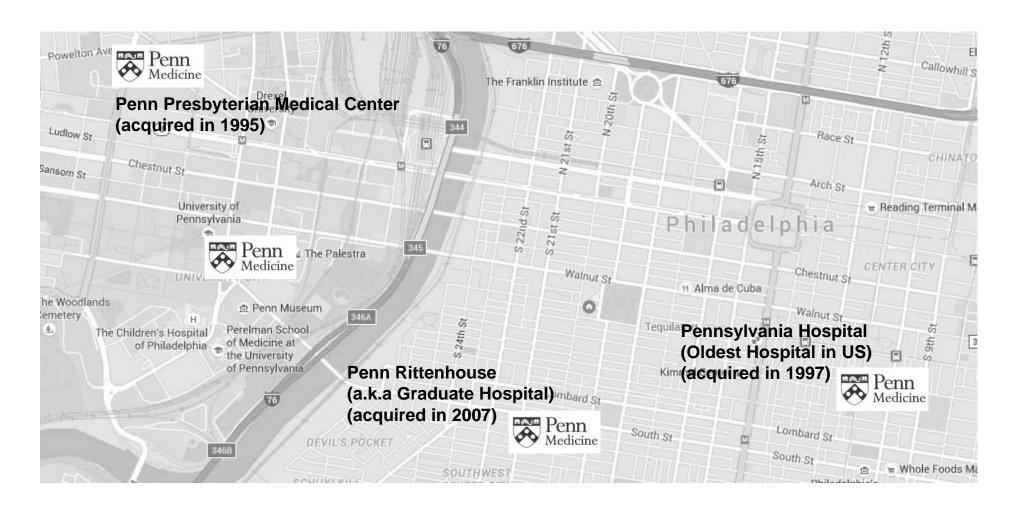
Why M&A in Trinity Health?

Hospitals & Facilities





M&A in Penn Medicine



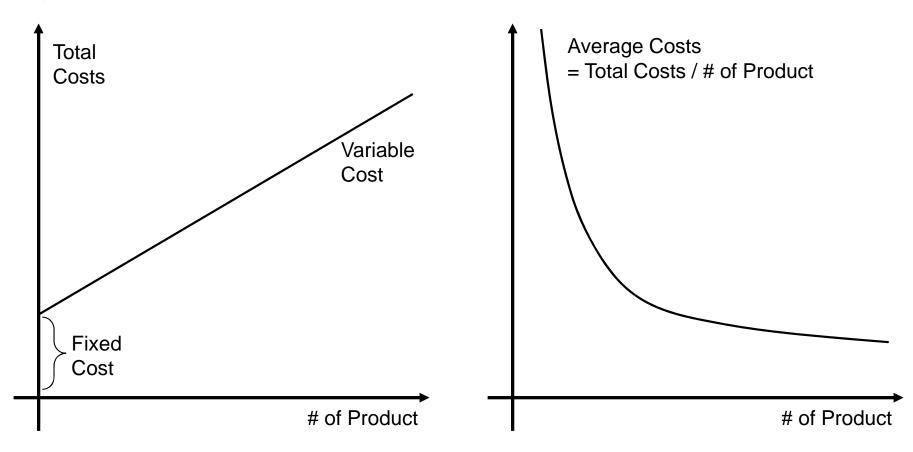


Why M&A in Trinity Health?

- To enter a new market for growth
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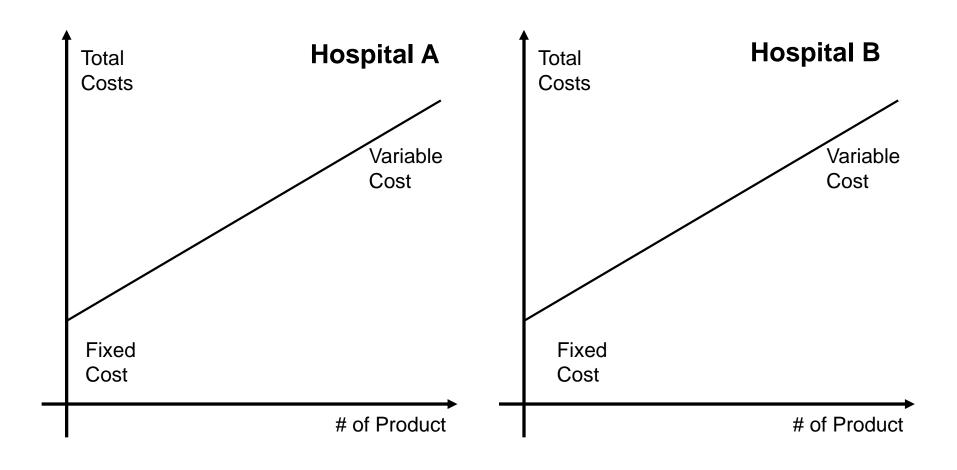
Economies of Scale



- What are the fixed costs in hospital?
- What are the variable costs?

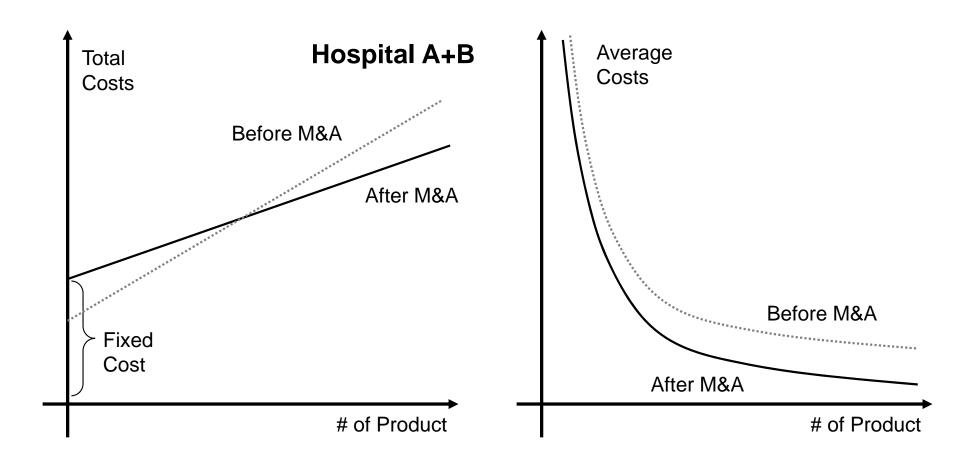


Economies of Scale





Economies of Scale in M&A (1/2)





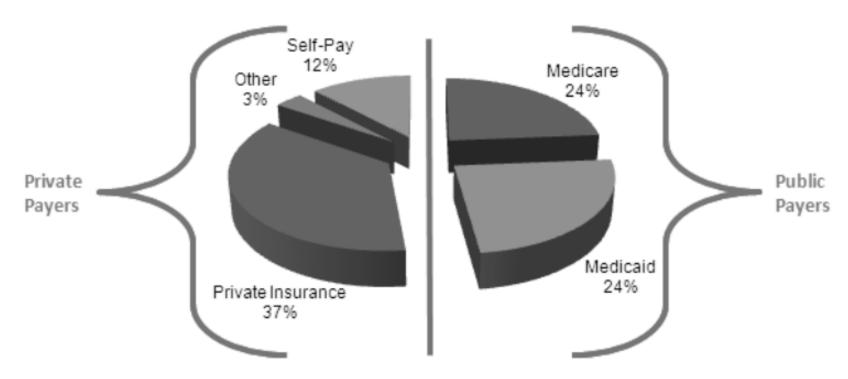
Economies of Scale in M&A (1/2)

- Fixed Costs in hospitals
 - Capitals building, medical equipment, license
 - Supporting functions HR, finance/accounting, IT, procurement
- By M&A, the hospitals can save the fixed costs by consolidating capitals and supporting functions, reducing the average costs.



How Pays Hospitals? (They are not customers!)

Florida Hospital's Payer Mix by Patient Volume (2012)



https://www.floridahospital.com/sites/default/files/finance_part_i_revenue_hib_november_20131.pdf



Have you tried to understand your bill?

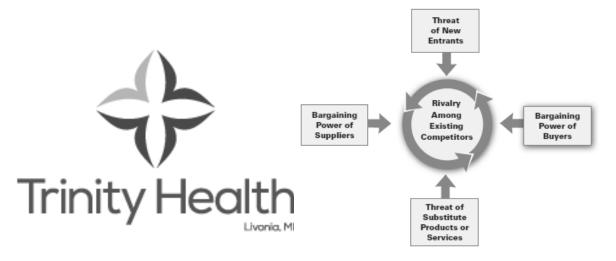
facilities.

Explanation of benefits for a claim received for ALEX W GOLDSTEIN Summary of a claim for services on March 7, 2011 Amount Billed \$400.00 This was the amount that was billed for your visit on 03/07/2011. You saved \$151.39. CIGNA negotiates discounts with health care professionals and facilities to \$151.39 Discount help you save money. What CIGNA \$208.61 CIGNA will pay \$208.61 to ROBERT M LERCH MD on 03/24/2011. plan paid This is the amount you owe after your discount, what your CIGNA plan paid, and what your accounts paid. People usually owe because they may have a deductible, have to pay a What I owe \$40.00 percentage of the covered amount, or for care not covered by their plan. Any amount you paid since care was received may reduce the amount you owe You saved \$360.00 (or 90%) off the total amount billed. This is a total of your discount and what your CIGNA plan paid. 90% You saved To maximize your savings, visit www.myClGNA.com or call customer service to estimate treatment costs, or to compare cost and quality of in-network health care professionals and

http://www.siegelgale.com/better-explaining-in-explanation-of-benefits-statements/



Why is "Getting Bigger" important?





KAISER PERMANENTE UnitedHealthcare



Fee-for-Service vs.

esident , Billie J.		oints 27.75	Res Service Charge \$ 40.00	Service Tota \$1,110.00
Service			Service Points	Service Charge
Staff Orders Routine Medications			0.25	\$10.00
Staff Dispenses Medication			6.00	\$240.00
Coordination of Communication between Physic Professionals	cian and other Health		0.25	\$10.00
Physician Orders			0.25	\$10.00
Assignment of medications			0.75	\$30.00
Bathing Assistance: Stand by			3.50	\$140.00
Dressing: Choose and lay out clothing			1.25	\$50.00
Grooming: Assist with make up			0.75	\$30.00
Mobility assist via wheelchair to/from dining room	m		6.75	\$270.00
Reminders for upcoming activities			0.25	\$10.00
Social: 1 on 1			3.50	\$140.00
Bed making			0.75	\$30.00
Fransportation: requires assistance arranging no	on-scheduled transportation	on	0.50	\$20.00
Pet Care - Feed			2.00	\$80.00
Financial management services: assist with pay	ing bills, phone calls to		1.00	\$40.00

Fee-for-Value \$15,000

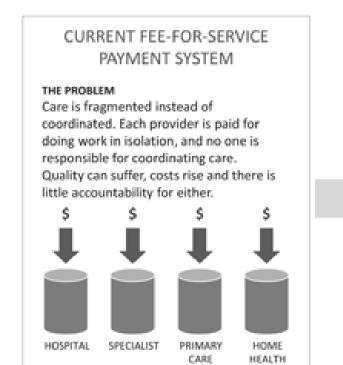


https://www.openplacement.com/community/blog/top-8-things-to-consider-when-discharging-to-senior-care/ http://www.ltlmagazine.com/article/fee-service-increases-resident-satisfaction-profit



Special Commission on the Health Care Payment System's Recommendation





PATIENT-CENTERED GLOBAL PAYMENT SYSTEM

THE SOLUTION

Global payments made to a group of providers for all care. Providers are not rewarded for delivering more care, but for delivering the right care to meet patient's needs.



GOVERNMENT, PAYERS AND PROVIDERS WILL SHARE RESPONSIBILITY FOR PROVIDING INFRASTRUCTURE, LEGAL AND TECHNICAL SUPPORT TO PROVIDERS IN MAKING THIS TRA



http://yes.goinvo.com/articles/health-reform-2-0-envisioning-a-patient-centered-system http://bhmpc.com/2014/04/bundled-payments-rewarding-quality-value/



Why M&A in Trinity Health?

- To get bigger
 - to decrease the bargaining power of buyers (vis-à-vis insurance companies)
 - so that the insurance companies pay more for its services
- To reduce costs (economies of scale, synergies)
- To diversify (economies of scope)
 - Under the fee-for-service model, hospitals do not have much incentive to reduce costs.
 - The transition from fee-for-service to fee-for-value requires to reduce costs and improve the quality of care.

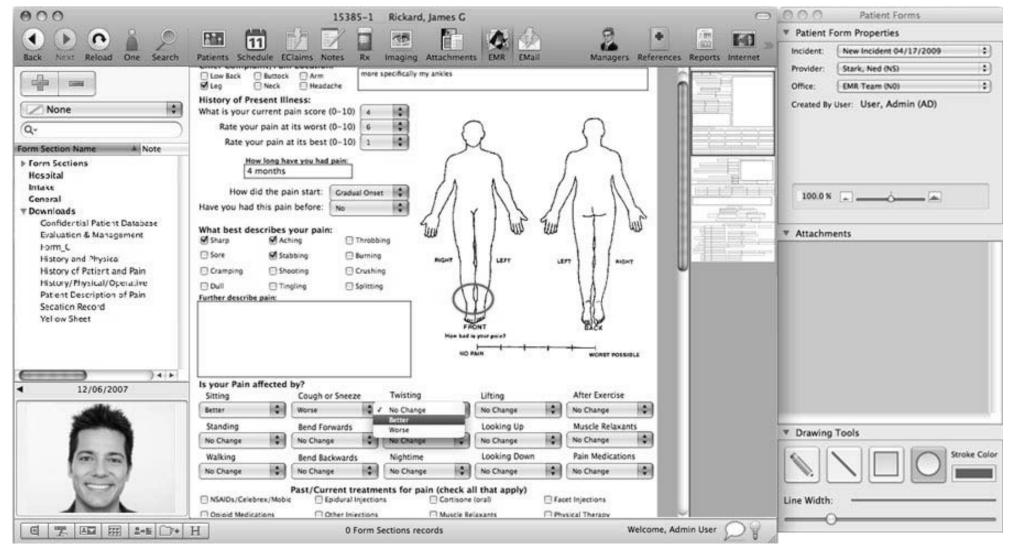


IT Management at Trinity

- What is a Unified Service Organizations (USO) (p. 3)?
 - It aims to reduce the fixed-costs in supporting functions (e.g. HR, finance, supply chains, and IT).
- Why does Trinity implement a "Common Digital Platform"?
- Why is IT important in hospitals?
 - IT in hospitals is mission-critical. Well-functioning IT is essential for quality care for patients.



Electronic Medical Records



http://www.macris.com/mp/md/emr/



Electronic Prescribing Software

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Pending Pres	scriptions for this F	Patient [Show All Pro	escriptions]			
			ine failure, we will conta fter business hours, we w			y to call in the prescription to the



Common Digital Platform (1/2)

- "Genesis also provided a common software package across the enterprise for each of five key functions" (p. 4)
 - electronic health records
 - computerized physician order entry
 - adverse drug event alert
 - revenue management
 - supply chain management
- Why is this necessary?

Before the Genesis Strategy

								Ι									
			Eastern Division									Western Division					
Operating Units	Silver Spring, MD	Columbus, OH	Port Huron, MI	Clemens, MI	Pontiac, MI	Livonia, MI	Ann Arbor, MI	Battle Creek, MI	Grand Rapids, MI	Muskegon, M	South Bend, IN	Clinton, IA	Dubuque, IA	Mason City, IA	Sioux City, IA	Boise, ID	Fresno, C
Patient Administ	ration																
Registration				HBOC Plus			нвос										
Patient Accounting	HBOC STAR		SMS Med Series4	2000	HBOC	HBOC Series	Health- Quest		SMS Med Series4		HBOC STAR			SMS Med Series4			HBOC STAR
Medical Records					Health- Quest												
DRG Grouper		3M	3M	Quadramed							3M					QuadraM ed	3M
APC/APG Grouper					HSS		HSS										
Enterprise Resou																	
General Ledger	People Soft					Global					People Soft						People Sof
Payrol/Human Resources			SMS Med Series4	GEAC		Ceridian	GEAC		SMS Med					SMS Med			
A/P Materials Management	нвос					Global			Series4		HBOC			Series4		нвос	
Cost Accounting		Self Developed (Analysis & DSS)		TSI Mainfrar	me		TSI Mainframe		TSI AS400		Developed (Analysis & DSS)		TSI AS400			Developed (Analysis & DSS)	
Contract Management																SARMC	McKesson HBOC
Clinical Systems																	
Physician Order Management																Eclipsys	
Order Entry	HBOC STAF	₹	SMS MedSeries 4	HBOC Plus 2000	TDS	HBOC Series	TDS	SMS MedS	eries4		HBOC STAR				SMS MedSeries 4	HBOC STAR	
Results Reporting		h- house/3M		cws					cws		Cerner					In-House	
ADEs					Cerner		Cerner		Cerner				Cerner				
Clinical Documentation	Eclipsys	HBOC Care Manager			TDS	HBOC Care Manager	TDS									Eclipsys	LifeServ Petronics
Laboratory	HBOC STAR	Cerner Pathnet	Cerner Pathnet	Sunquest	Classic	HBOC ALG	Classic	Cerner Milenium	Classic	Classic	Cerner Pathnet	Cerner Milenium	United Clinical Labs	Sunquest	Cerner Milenium	Sunguest	HBOC STAR
			Cerner MsMeds	Cerner MsMeds	Cerner MsMeds	HBOC Series	Cerner MsMeds	Cerner MsMeds	Cerner MsMeds	Cerner MsMeds	HBOC STAR	Cerner MsMeds	Cerner MsMeds	Cerner MsMeds	Cerner MsMeds	Mediw are	
Pharmacy Hospital Surgery	RES-Q		- IIIDINEUS	THE HEAD	mentare)	Cerres			- INDIFECTS	- HEINEUS		- IFDIVEGS	Omni-server		- iromeds	WORX	
Management	Healthcare	Per-Se' ORSOS					Omni-server				Medline Systems					HBOC Pathwa	ays
Patient Scheduling	HBOC			Н	BOC Pathw a ADAC	ys HBOC	ADAC		HBOC Pathy	ways	HBOC					Per-Se'	HBOC
Radiology	STAR Softmed	Dolbey	IDX	Softmed	MARSI	Series Dolbey	MARS II Softmed	Medrite		Softmed	STAR	Dictaphone		ADAC MAR Softmed	SI	Consort SARMC	STAR Softmed
Transcription	Sortified	Doibey		Sortined		Loibey	Sortified	iveditie		Sortified		Oktopilone		Sortified		SATURE	Sortified



After the Genesis Strategy

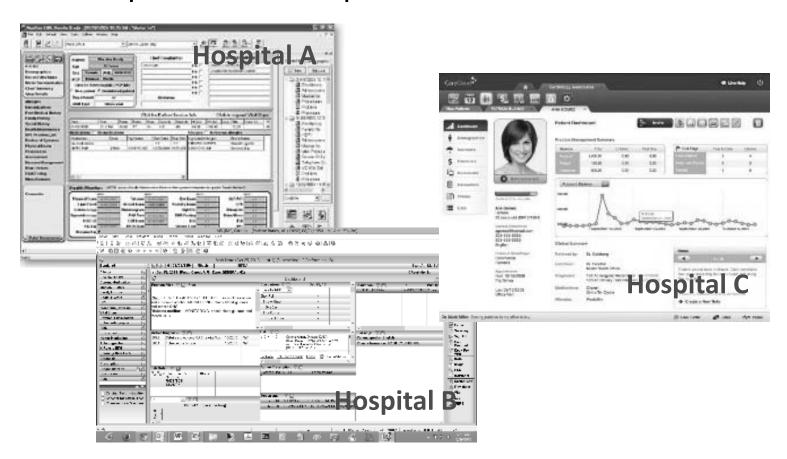


• What is the improvement in Trinity?



Common Digital Platform

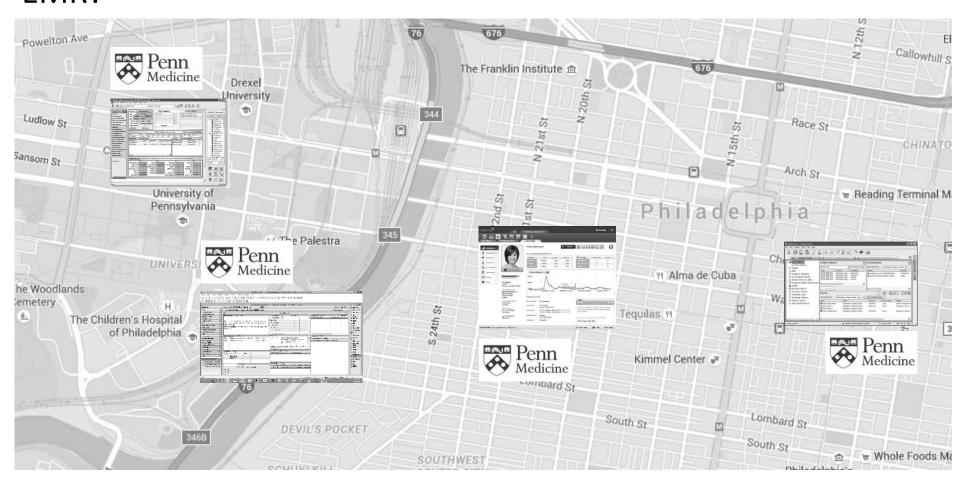
• What if a patient at Hospital A needs to get a lab test at Hospital B and meet a specialist at Hospital C?





Common Digital Platform

• What would happen if each hospital uses a different kind of EMR?





Common Digital Platform (2/2)

- The Common Digital Platform reduces the costs
 - not only in managing day-to-day IT operations
 - but also in integrating the IT of acquired hospitals.
- It enables effective communication and coordination among hospitals and other care providers (e.g. specialists, primary care, labs).
 - reducing errors and wastes of time
 - improving the quality of care



Trinity's M&A Strategy and Digital Platform

- Without the Common Digital Platform, Trinity could not have achieved the objectives of M&A.
 - to reduce costs in IT management (economies of scale)
 - to reduce costs in patient care
 - to improve the quality of care
- In addition, without the platform, the organization could have become so big and complex
 - that its cost could increase compared to before M&A.