Cumberland MEDICAL CENTER COVENANT HEALTH

CMC Information Technology Behind The Patient Experience

- Introduction Joe Lowe
 - Cumberland Medical Center, 1994
 - Director, 2001
 - Member of Covenant Health, 2014



CMC Information Technology Behind The Patient Experience



Patient Registration

- Order Facilitator
- Kiosk/Flow Board



OP CMC - MAIN MISTY SELBY (MSELBY)	N - REGISTRATION - CHE Refreshed: 02/	CK IN 24/2016 16:26:05			
FLOW - ALL FLOWS -	LAST	FIRST F	ILTER		
PATIENT	MILESTONES	CURRENT (MIN)	FLOW (MIN)	COMMENT	ROOM
	OP I PATIE 2	OP KIOSK CHECKIN (MAIN) 3m (10m)	0 of 5 3m (2h)	• TESTING PLEASE IGNORE • BOOTH 1	воотн 1
	PRE-	OP KIOSK CHECKIN (MAIN) 25m (10m)	0 of 2 25m (20m)	KIOSKĮ WHY HERE? PRE-REGISTERĮ	
		OP I KIOSK CHECKIN (MAIN) 16m (10m)	0 of 3	KIOSK WHY HERE? X-RAY	



Outpatient Services

- Radiology Services PACS storage
- Lab Send outs Interface out/results/packaged
- Summit Imaging Coldfeed
- Surgery Stryker video
- C-Arm Imaging





Emergency Services

- EKG readings LifeNet
- In Room Registration / Status Boards

RM	AGE SN	PATIENT CHIEF COMP	STATUS	SEP/CVA	STO	Т	E	S	Т	S	MED	ВС	NSG	T/L	ADM	INC	PHYSICIAN PROVIDER NURSE
	55 ₽₀	TEST,SEPSIS Fever	IN XRAY	+36m SEP			Ô			MIC	MED	вс	NSG				Davenport,T
	32 ₽	TEST, JULIUS RESP Complai	LAB @ BS			Lab-O		EKG		MIC		LA	NSG				Davenport,T
	61 Po	TEST,SANDRA RESP Complai	PROV@BS			Lab-O	Ô	EKG	RT		MED		NSG		p.		Caples,S



Emergency Services Cont.

Lab – Positive Patient Identification



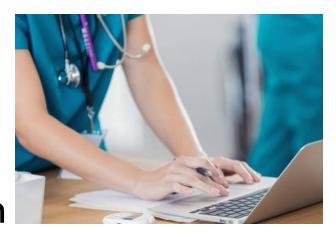


Cardiac Monitoring



Inpatient Services

- Real Time EMR
- Status Boards
- Bedside Documentation





Inpatient Services Cont.

- Medication Process
- Food Service
- Glucose Monitoring
- Blood Products
- Smart IV Pumps





Inpatient Services Cont.

- Voice Recognition
- Electronic Prescriptions
- Tele-Stroke
- Tele-Nephrology April 2019
- Mobile Rounding Future state





Discharge Process

- Health Summary
- Patient Health Portal
- Patient Surveys





IT Infrastructure

- Data Center
 - Servers (Physical/Virtual)
 - Storage Dell EMC
 - Redundancy Internal/External
 - Fire Suppression
 - Temperature & Water Alert System





IT Infrastructure Cont.

- Devices
 - PC/Laptops
 - Zero Clients
 - Raspberry Pis
 - iPads
 - Printers/Scanners





IT Infrastructure Cont.

- Networking Equipment
 - Core / Edge Switches
 - Internet / Dark Fiber / Wireless





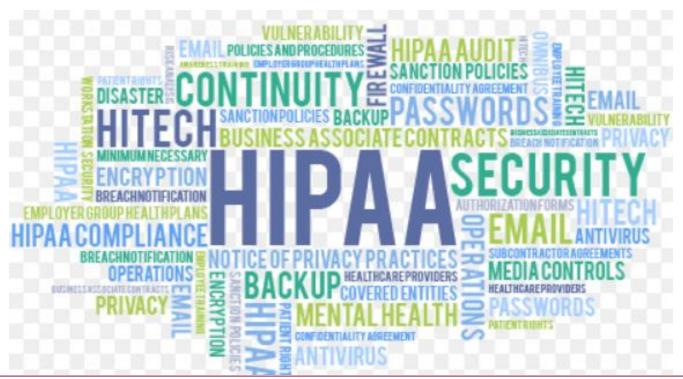
IT Infrastructure Cont.

- VPN
- Virtual Desktop





IT Regulations





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