## The Mayo Clinic "OASIS" Project:

Designing a Value-Based Perioperative Surgical Home in Orthopedic Surgery

Hugh Smith M.D, Ph.D. Inesota Society of Anesthesiol Fall Conference



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Disclosures

• I have NO financial disclosures or conflicts of interested with the presented material in this presentation





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## **RESULTS**

- Poor, unpredictable patient experience
- Variable Outcomes Inefficient and Expensive
- Interface and Expension
  Difficult to manage or improve quality
  Limited design innovation and optimization
- Lacks central
- Difficult to predict or control care outcomes















































"The best interest of the patient <u>is the only interest to</u> <u>be considered</u>......

....and in order that the sick may have the benefit of advancing knowledge, <u>union</u> of forces is necessary."



William J. Mayo, M.D. (1910)



		Key Episode o	of Care Phases		
PreHospital	PreOp	IntraOp	PACU	PostOp	Follow-Up
Surgical Clinic Optimization  SNF Predictive Screening  Social Work Consultation  Medical Optimization  Medical Optimization  Patient education & LOS Expectations  Surgical Order  Standardization	Standardized Opioid Sparing Analgesic pathway  Pre-Op Bypass for Block Room Patients  Surgical Briefings  Parallel Processing Motor Sparing Regional Anesthesia	Stant Times  Start Times  OR Reorganization &  Room Pairings  Fast Track  Anesthesia  Updated OR Staffing  Innovation in Surgical  and Clinical  Management	Eliminate PACU Full Light  Discharge Delay Tracking  Standardized PACU to Floor SBAR  Surgical Suite Patient Flow Dashboard	Same Day Physical Therapy & AMPAC scoring  Pharmacy Collaborative Practice Agreement  Quality of Recovery 15 Scoring  Timely Patient Pain Management	90 Day Follow-Up  Tracking Hospital  Readmissions  Patient Satisfaction &  Press Ganey Scores  Reassessment of  Follow-Up Vist  Intervals
Coordination	Integration	Operationa	I Principles	Efficiency	Patient Centered







































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			Mild Systemic Disease	5799	1.8	101/18-10/31/19	
			Moribund	4	23.3	11/20/18-2/6/19	
			Severe Systemic Disease	4156	3.7	10/1/10/10/21/19	
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Patient Surgical	The second secon	zveri imagined uid be in that ih pain" -Victor Age 62	eletisisty paod heart notice of his He and de win the mediate payters them. The feet de use of the mediate payters them and the wear that could be the set of the set of the set of the off de the set of the set of the set of the off de the set of the set of the set of the off de the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the his high designers.
Experience Mapping	Areas to Mayo for a near the Mayo for a second seco	frame for normality back over a support of the support over if of another is an and if a support of the support over if of a support	And and proved private the second private second private second private second private second private second private second private second private second private second private second private second private second pr
Center for	Key Service Principles	Patient Needs	What it means
Innnovation	People value exchanges that alleriate their fear and anxiety To require inducer operators case onicy	Victor needs ways to understand the changes his body will make to accommodate his new knee.	How might we better hame Victor's post- surgical journey?
Patient Care Service	People value knowing what to expect Transportery on he often of equally	Victor needs to understand what he should expect from himself in terms of recovery.	How might we give Victor the confidence he needs to self manage his recovery?
Principles	People value meaningful ways to think about and manage pain Air mangement is never the reduction	Victor needs to know what kind of pain to anticipate and what to do if it becomes unmanageable.	How might we help people like Victor anderstand the resources available to him - both in the hospital (pair senior, pair scale) and at home (medication plan, etc.)

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