

Value-Based Health Care Delivery: Systems Integration & Growth

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This presentation draws heavily on Professor Porter's research in health Care delivery including Redefining Health Care (with Elizabeth Teisberg), What is Value in Health Care, NEJM, and The Strategy That Will Fix Health Care, HBR (with Thomas Lee). A fuller bibliography is attached. No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or by any means — electronic, mechanical, photocopying, recording, or otherwise — without the permission of Michael E. Porter. For further background and references on value-based health care, see the website of the Institute for Strategy and Competitiveness.

Creating a Value-Based Health Care Delivery System The Strategic Agenda

- Re-organize care around patient conditions (or groups of related conditions) into integrated practice units (IPUs), covering the full cycle of care
 - For primary and preventive care, IPUs should serve distinct patient segments
- 2. Measure outcomes and costs for every patient, in the line of care
- 3. Move to value-based reimbursement models, and ultimately **bundled payments** for conditions
- 4. Integrate and coordinate care across multi-site care delivery systems
- 5. Expand or affiliate across geography to reinforce excellence
- 6. Build an enabling information technology platform

Shifting The Strategic Logic of Health Systems

Confederation of Standalone Units/Facilities



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Clinically Integrated Care Delivery System

Increase the overall volume of care



- More clout in contracting and purchasing
- Spreading "fixed overhead" costs
- Owned or affiliated primary care practices, outpatient clinics, and community hospitals to "guarantee" referrals and raise acuity of AMCs

Increase value



- Move to value-based delivery models
- Concentrate, allocate, and integrate care across appropriate sites
- The system is more than the sum of its parts

"Population Health"



Value-Based Delivery System by Condition and Primary Care Segment

- Serve a large population
- Meet all the population's needs



- Focus on prevention
- Appropriateness of care and reducing overtreatment
- Improve generic quality metrics across diseases (e.g. infection rates, readmissions)
- Improve population-wide quality metrics

- Deliver unique value for patients
 - By condition and primary care patient segment



- Build IPUs by condition covering the full care cycle
- Create segmented primary care
- Measure and improve value condition by condition and segment by segment
- Embed prevention in the care cycle across all types of care

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Four Levels of Provider System Integration

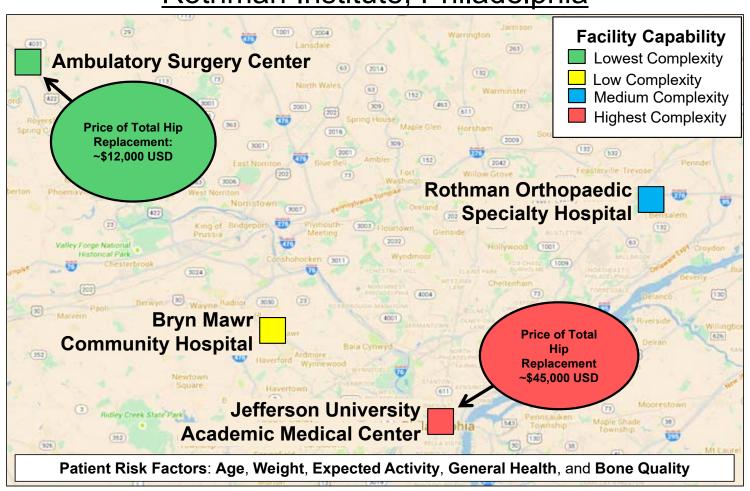
- 1. Defining the **overall scope of services** for each site, and for the system as a whole, based on **value**
 - Affiliate to enter or compete in services lacking in-house capability
- 2. Concentrate **volume** of patients by condition in **fewer locations** to support the creation of IPUs, as well as improve outcomes and efficiency
- 3. Perform the **right services** in the **right locations** based on acuity level ("acuity tuning"), resource/cost fit, and the benefits of patient convenience for repetitive services
 - E.g., move less complex surgeries out of tertiary hospitals to lower acuity facilities and outpatient surgery centers
 - Affiliate with other provider sites when this improves value
- 4. IPUs integrate the care cycle across sites
 - Multidisciplinary team taking responsibility for the full care cycle
 - Common scheduling process
 - Digital services, telemedicine and home care contribute to tying together the care cycle
 and improving value

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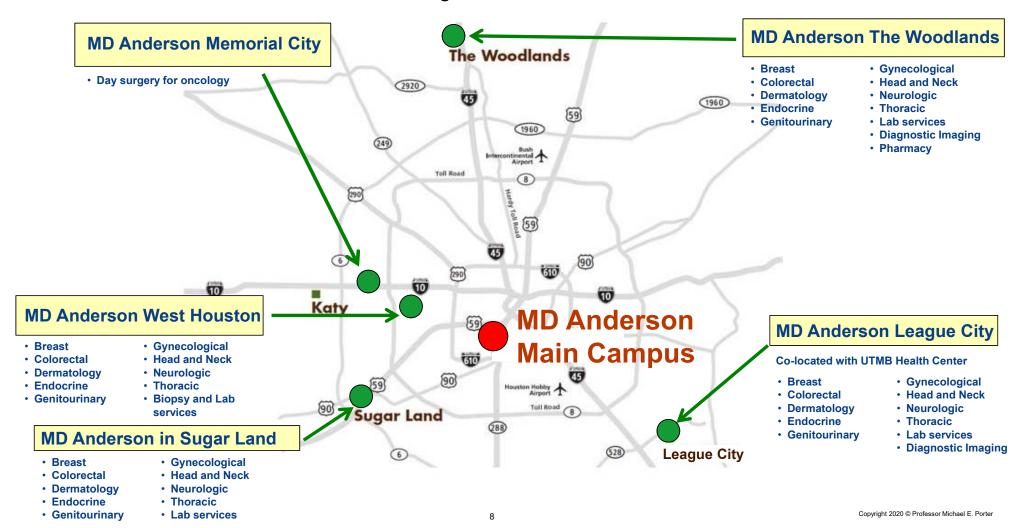
The Geography of Care and Value

- The Traditional Care Geography Model
 - Care organized around specialties and interventions at each site
 - Duplication of services across sites/facilities
 - Sites provide care for multiple acuity levels and across complexity of patients
 - Limited integration of care across sites
 - Traditional Model reinforced by fee-for-service payments and siloed IT systems
- Geography and Value: Strategic Principles
 - Organize care by condition in IPUs (the hubs)
 - Aggregate condition volume in a limited number of sites
 - Multi-disciplinary teams with responsibility for managing full care cycle
 - IPUs allocate services to sites across the care cycle based on: site capabilities,
 care complexity, patient risk, site cost, and patient convenience
 - Incorporate telemedicine, home services, and affiliated provider sites to improve value across the care cycle
 - IPUs should create formal systems to direct patients to the most appropriate site given their circumstances

Delivering the Right Care at the Right Location Rothman Institute, Philadelphia



Move Lower Complexity Services Out of High Resource High Cost Centers to Community Hospitals <u>MD Anderson Regional Cancer Care Centers</u>



Allocate and Integrate Care Across Sites



Children's Hospital of Philadelphia Care Network

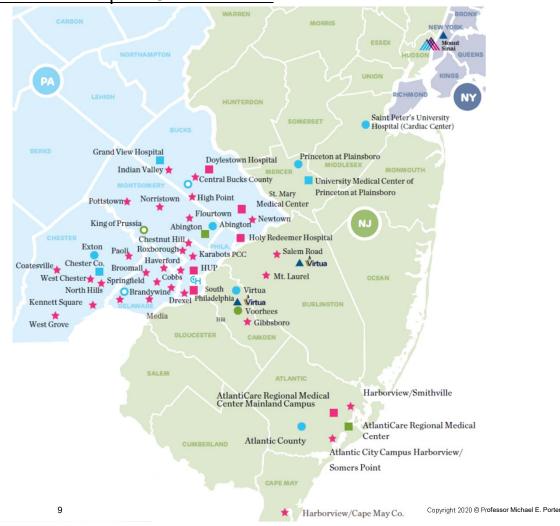


Wholly-Owned Outpatient Units

- rimary Care Practices
- Specialty Care Centers
- Specialty Care Center, Surgery Center & After-Hours Urgent Care
- Specialty Care & Surgery Centers (no urgent care)
- Specialty Care Center, Surgery Center, After-Hours Urgent Care & Home Care

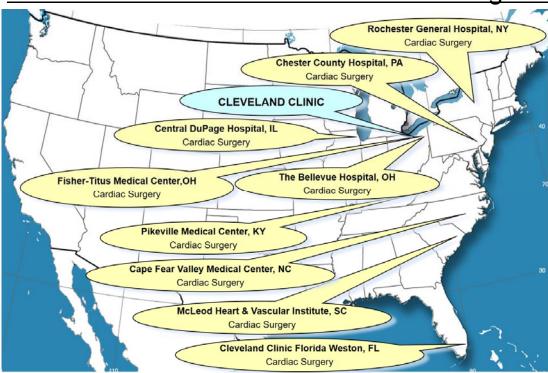
Community Hospital Inpatient Partnerships

- CHOP Newborn Care
- CHOP Pediatric Care
- CHOP Newborn & Pediatric Care
- Hospital & Integrated Specialty Program with Virtua Health and Mt. Sinai. CHOP services in more tertiary adult hospital.



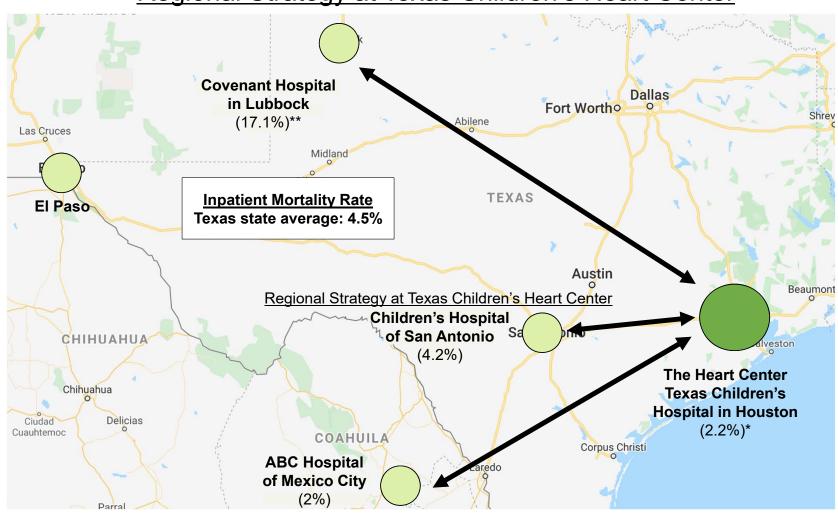
Expand Geographic Reach

The Cleveland Clinic Cardiac Affiliate Program

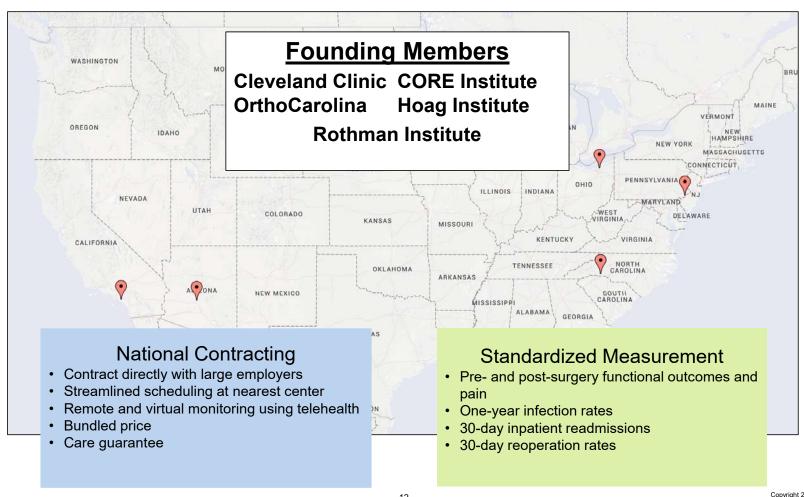


- Partner with well resourced community hospitals to perform moderate and low complexity cases
- Cleveland Clinic provides training, benchmarking, management support, and associated services
- Complex cases referred to Cleveland Clinic
- 50% of total Cleveland Clinic heart surgeries performed at affiliates

Affiliation to Upgrade and Allocate Care Across Centers Regional Strategy at Texas Children's Heart Center



Partnering to Compete Multi-Regionally or Nationally in Particular Conditions National Orthopaedic and Spine Alliance (NOSA)



Enabling System Integration and Affiliation

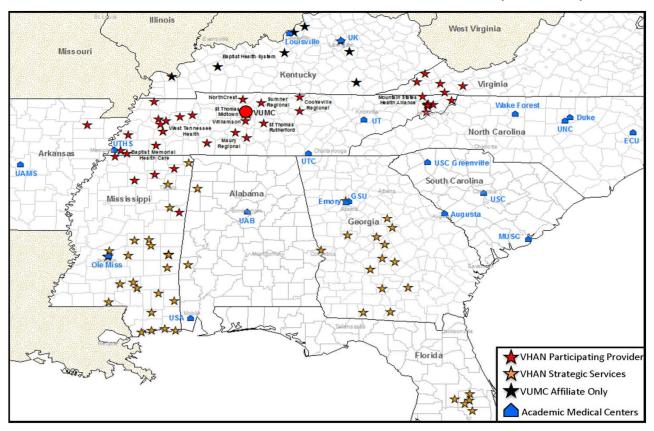
- IPU hubs manage the allocation and integration of care across sites
- Telemedicine to better link sites
- Common EMR
- Unified IPU scheduling of patients by condition
- Standardized TDABC costing
 - Ability to measure and compare **cost by location** for each service/activity in the care cycle
- Integrated and common dashboards, protocols, processes, and financial statements



- Physician alignment
 - Employed or affiliated physicians where feasible
- Explicit mechanisms to forge personal relationships among staff who work together but at different sites
 - Meetings and other steps that create regular contact among dispersed staff
 - Rotation of staff across locations
- Common culture and values

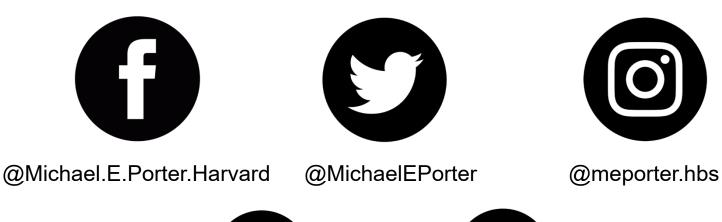
Broad Based Affiliations Across a Region

Vanderbilt Health Affiliated Network (VHAN)



- Allocate care to the appropriate site
- Raising acuity at the Quaternary Center

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