Value-Based Mental Health Care Delivery

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This presentation draws on Redefining Health Care: Creating Value-Based Competition on Results (with Elizabeth O. Teisberg), Harvard Business School Press, May 2006; "A Strategy for Health Care Reform—Toward a Value-Based System," New England Journal of Medicine, June 3, 2009; "Value-Based Health Care Delivery," Annals of Surgery 248: 4, October 2008; "Defining and Introducing Value in Healthcare," Institute of Medicine Annual Meeting, 2007. Additional information about these ideas, as well as case studies, can be found the Institute for Strategy & Competitiveness Redefining Health Care website at http://www.hbs.edu/rhc/index.html. 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 and Elizabeth O.Teisberg.

Redefining Health Care Delivery

- The overarching goal in health care is value for patients, not access, cost containment, convenience, or customer service
- Value is the only goal that can unite the interests of all system participants

Value = Health outcomes

Costs of delivering the outcomes

- Outcomes are the health results that matter for a patient's condition over the care cycle
- Costs are the total costs of care for a patient's condition over the care cycle



How to design a health care delivery system that dramatically improves patient value

Creating a Value-Based Health Care Delivery System <u>The Strategic Agenda</u>

- 1. Organise Care into Integrated Practice Units (IPUs) around Patient Medical Conditions
 - Organise primary and preventive care to serve distinct patient segments
- 2. Measure Outcomes and Cost for Every Patient
- 3. Reimburse through Bundled Prices for Care Cycles
- 4. Integrate Care Delivery Across Separate Facilities
- 5. Expand Areas of Excellence Across Geography
- 6. Build an Enabling Information Technology Platform

Three Myths in Mental Health Care Delivery

1. Mental illness is **different than physical illness** and therefore should be cared for separately

2. Outcomes for mental health care are too variable and subjective to measure performance

3. Mental health care should be **reimbursed separately** to control costs

Three Myths in Mental Health Care Delivery

- Mental illness is different than physical illness and therefore should be cared for separately
 - Mental health and physical health are inextricably linked
 - Care for physical and mental illness should be organized around the patient's needs, with integration of physical and mental health providers

Organizing and Integrating Mental and Physical Health

- 1. Create IPUs for care of acute or complex mental health conditions
- 2. Integrate physical health care into mental condition IPUs
- 3. Integrate mental health care into care for physical conditions
- Integrate care of common mental health conditions into primary care

Organizing Care for Acute or Complex Mental Health Conditions

- E.g., severe forms of depression, bipolar disorder, eating disorders, schizophrenia, etc.
- Care for patients with acute or complex mental health needs should be delivered in condition-specific IPUs
- Care should be delivered by a dedicated, multidisciplinary team led by specialized mental health providers
- Mental health IPUs should work with primary care providers to coordinate patient referrals and delineate responsibility for longterm management



 Aggregating acute or complex mental health care into high volume centres of excellence will dramatically improve outcomes, increase efficiency, and reduce excess capacity

Care for Acute or Complex Mental Health Conditions Schön Klinik Roseneck: Eating Disorders Care

Dedicated to Eating Disorders Shared with other Conditions MDs and PhDs Skilled Staff - 6 Chief Psychiatrists - 4 Social Workers - 6 Attending Psychiatrists - 4 Physical Therapists - 12 Staff Psychiatrists - 9 Exercise Physiologists - 24 Psychologists - 7 Art therapists Skilled Staff - 18 Nurses - 2 Nutritionists - 3 Dieticians

Integrating Physical Health into Mental Health IPUs

- In severe or complex mental health conditions, physical complications are common
- Mental health IPUs should incorporate the relevant physical health clinicians who treat common complications of mental illness to build experience and expertise in those areas

Integrating Physical Health into Mental Health IPUs <u>Schön Klinik Roseneck: Eating Disorders Care</u>

Dedicated to Eating Disorders

MDs and PhDs

- 6 Chief Psychiatrists
- 6 Attending Psychiatrists
- 12 Staff Psychiatrists
- 24 Psychologists
- 1 Chief Internist

Skilled Staff

- 18 Nurses
- 2 Nutritionists
- 3 Dieticians

Shared with other Conditions

MDs - on call

- 1 Neurologist
- 2 Internists
- 1 Physical Medicine Specialist

MDs – rotate through one day per week

- 1 Dermatologist
- 1 Orthopedist
- 1 Ear/nose/throat Specialist
- 1 Pain Specialist

Skilled Staff

- 4 Social Workers
- 4 Physical Therapists
- 9 Exercise Physiologists
- 7 Art therapists

Integrating Mental Health into Physical Health IPUs

- More than a quarter of adults with physical health problems also suffer from mental illness
 - E.g., depression is 2 to 3 times more common following a heart attack or stroke and leads to worse clinical outcomes
- The mental health challenges of acute or complex specialty care are often related to the medical condition being treated
 - E.g., head and neck cancer patients often develop depression due to facial disfigurement after surgery
- Physical health IPUs should include dedicated mental health providers who understand the mental health needs of the patients they treat, detect developing mental illness, and intervene early
 - Social workers or other mid-level providers can occupy such roles, referring out complex cases to psychologists or psychiatrists

Integrating Mental Health into Physical Health IPUs MD Anderson Head and Neck Center

Dedicated	Shared
Center Management Team - 1 Center Medical Director (MD) - 2 Associate Medical Directors (MD) - 1 Center Administrative Director (RN) Dedicated MDs - 8 Medical Oncologists - 12 Surgical Oncologists - 8 Radiation Oncologists - 8 Radiation Oncologists - 1 Diagnostic Radiologist - 1 Pathologist - 1 Opthalmologists	Shared MDs - Endocrinologists - Other specialists as needed (cardiologists, plastic surgeons, etc.) - Psychiatrists
Skilled Staff - 22 Nurses (including Triage Nurses) - 3 Social Workers - 4 Speech Pathologists - 1 Nutritionist - 1 Patient Advocate	Skilled Staff - Dietician - Inpatient Nutritionists - Radiation Nutritionists - Smoking Cessation Counselors

Source: Jain, Sachin H. and Michael E. Porter, *The University of Texas MD Anderson Cancer Center: Interdisciplinary Cancer Care*, Harvard Business School Case 9-708-487, May 1, 2008

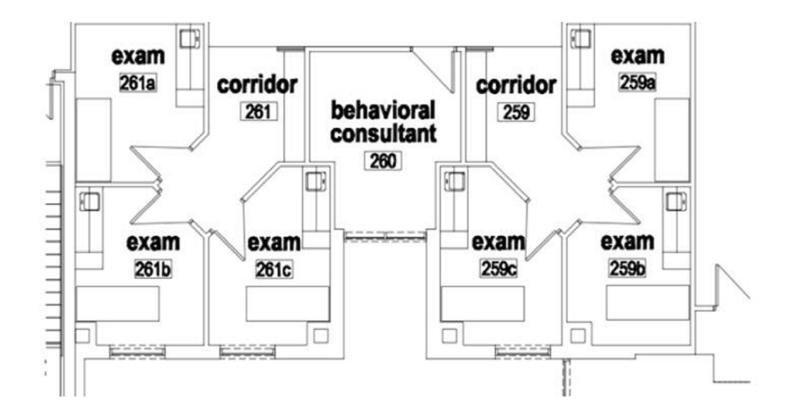
Integrating Mental Health into Primary Care

- Mental illness is common, yet underrecognised and undertreated
 - 25% of primary care patients have depression or anxiety
 - Primary care providers recognise only half of all mental illnesses
 - Among patients with recognised illness, only half are offered medication
- Patients with mental illness frequently present to primary care with physical health symptoms (e.g., fatigue, insomnia, palpitations)
- Primary care providers, focusing on physical ailments, can overlook underlying psychological causes



Incorporating mental health clinicians into primary care will improve patient value

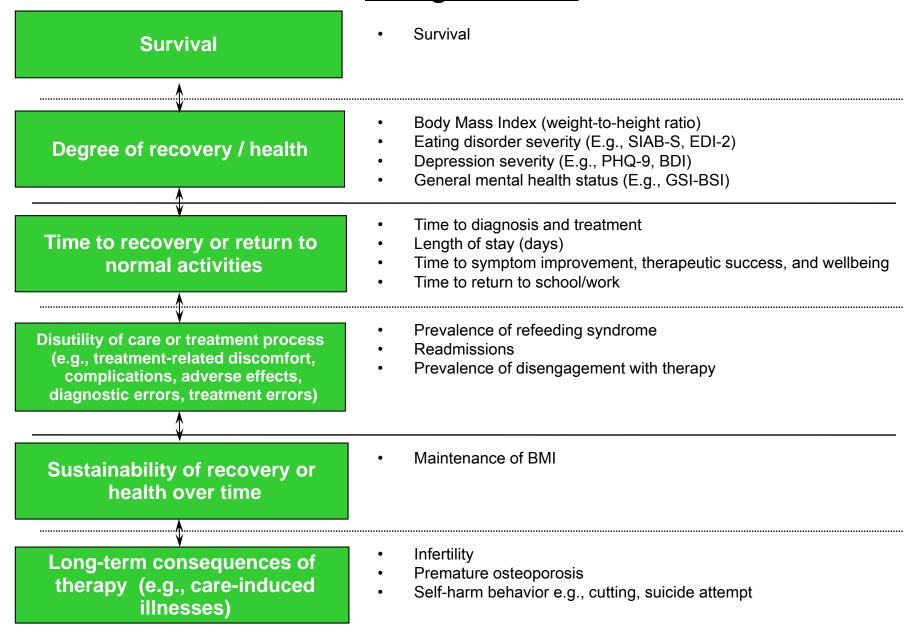
Integrating Mental Health Care into Primary Care <u>Cherokee Health Systems, Tennessee</u>



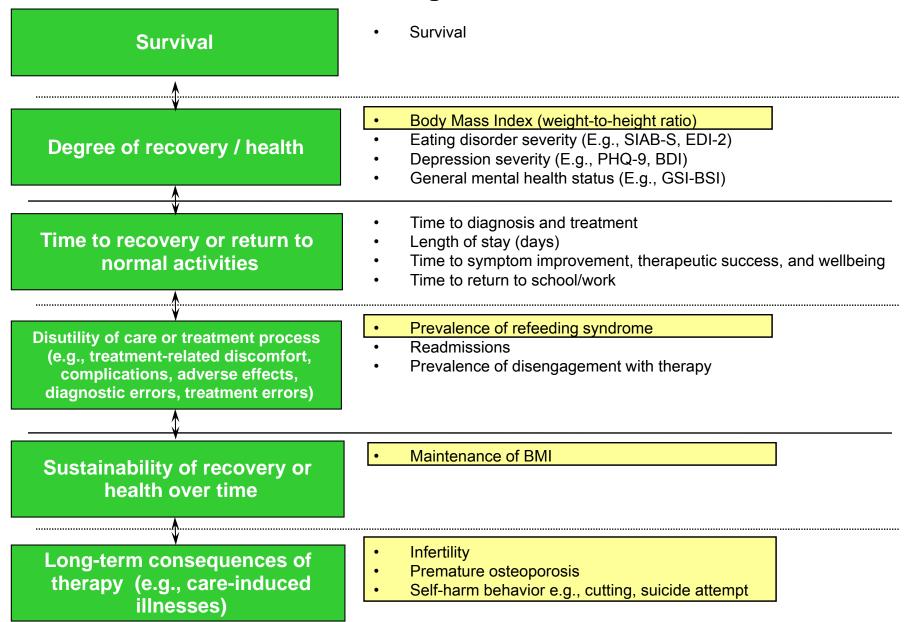
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- 2. Outcomes for mental health care are too variable and subjective to measure performance
 - Outcomes measurement is even more important in mental health, where little is known about the effectiveness of certain care models and treatment approaches
 - Outcomes measurement is essential in shifting from paying for volume to paying for value

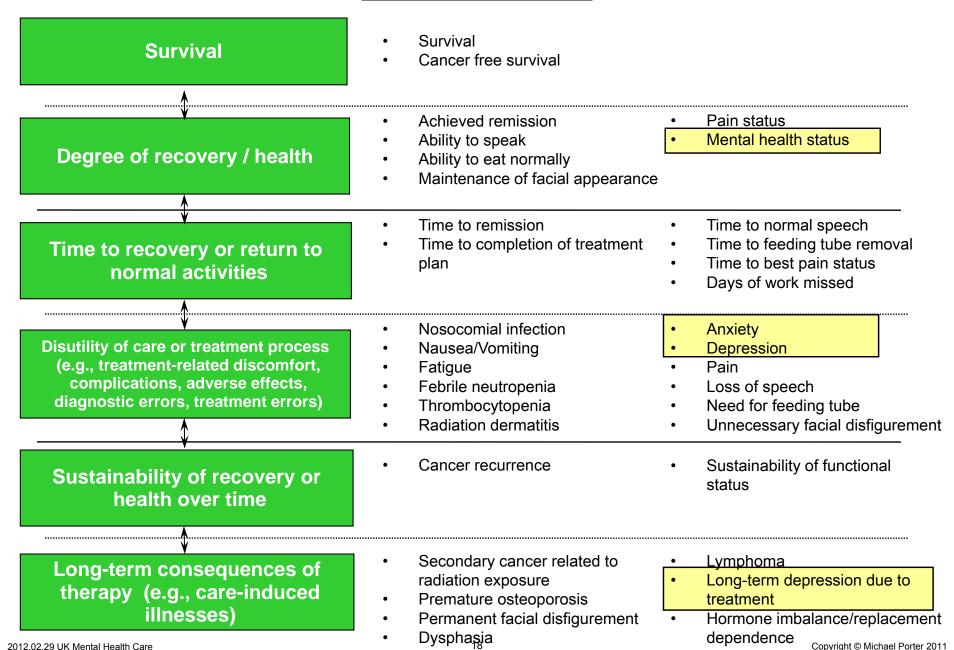
Measuring Outcomes for Acute or Complex Mental Health Conditions <u>Eating Disorders</u>



Measuring Outcomes for Acute or Complex Mental Health Conditions <u>Eating Disorders</u>



Measuring Outcomes for Acute or Complex Physical Conditions Head and Neck Cancer



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- 3. Mental health care should be reimbursed separately to control costs
 - Bundling payments around medical conditions or primary care patient segments will encourage integration of physical and mental health providers and hasten the adoption of outcomes reporting

Bundled Reimbursement for Mental Health Care Depression Care at Schön Klinik

- In 2009, Schon Klinik negotiated a bundled price for inpatient depression care
 - Payment depended solely on the outcomes achieved, not the length of stay or services provided
 - Early results showed improved outcomes and shorter lengths of stay

	Patients under bundled payment	All Schön Klinik depression patients
Number of patients	60	8834
PHQ depression effect size	1.57	1.18
BDI-II effect size	1.53	1.2
BSI-GSI effect size	1.5	0.98
Average length of stay (days)	40.8	49.8

- In 2011, Schön extended the bundle to cover pre- and postadmission outpatient care
- Schön became the single point of contact for newly-diagnosed depression patients, coordinating a network of hospitals, step-down units, and outpatient psychotherapists

Three Myths in Mental Health Care Delivery: Opportunities for London and the U.K.

- Organize Care into Integrated Practice Units (IPUs) Around Patient Medical Conditions
 - Move to physical and mental health care integration
- 2. Measure Outcomes and Cost for Every Patient
 - Develop multidimensional, patient-centered outcome measures specific for each condition or patient segment
 - Create a framework of mental health outcome registries
 - Tie reimbursement to universal outcome measurement and reporting
- 3. Reimburse through Bundled Prices for Care Cycles
 - Develop new packaged reimbursement options for mental illnesses, promoting the integration of physical and mental health care