Successful Implementation of Universal Health Care in CT: The Critical Role of Chronic Disease Management

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Chronic Disease: A Growing National Concern

Nearly <u>half</u> of the population (125 million Americans) lives with some type of chronic condition, defined as a condition which lasts a year or longer, limits what one can do and may require ongoing care. Sixty million Americans live with multiple chronic conditions.

-John Hopkins University and The Robert Woods Johnson Foundation

Americans Affected with Chronic Conditions, 2000-2020



What is Disease Management?

•Disease management is an organized, proactive, multi-component approach to healthcare delivery, involving all members of a population with a specific disease such as diabetes.

•Care is focused on and integrated across the spectrum of the disease and its complications, the prevention of comorbid conditions, and the relevant aspects of the delivery system.

•Disease management's essential components are: 1) identification of the population, 2) care guidelines or performance standards, 3) management of identified people, and 4) tracking and monitoring systems.

•Disease management's goal is to improve short-term and long-term health and/or economic outcomes among people with the disease

Centers for Disease Control Task Force for Community Preventive Services.

Source: http://www.cdc.gov/mmwr/pdf/rr/rr5016.pdf

What is Disease Management?

"Disease Management is a system of coordinated

healthcare interventions and communications for

populations with conditions in which patient self-care

efforts are significant"

Disease Management Association of America

Source: www.dmaa.org/definition

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The Balance of Good Health



ish and alternatives Foods containing fat Milk and dairy foods Foods and drinks containing sugar

There are five main groups of valuable foods











".conditions in which patient self-care efforts are significant"

In keeping with the guidelines, a patient with diabetes, COPD, osteoporosis, and hypertension will be asked

- To take **twelve** medications
- Nineteen doses per day
- At **five** different times,
- And to adhere to **fourteen** non-pharmacologic behavioral recommendations.

Boyd CM, Darer J, Boult C, Fried LP, Boult L, Wu AW. Clinical practice guidelines and quality of care for older patients with multiple comorbid diseases: implications for pay for performance. JAMA. 2005;294:716-24.

The Actual Patient Experience

Health Care Providers

Dr. #1 Dr. #2 Dr. #3 Hospital Pharmacy #1 Pharmacy #2 Acupuncturist **Health Store Diet Center** Grocery Neighbor

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The Complex Role of Primary Care Physicians

- Coordination of Care.....
 - a) No time

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- b) No data
- c) No information systems
- d) No mass communication infrastructure
- e) Limited or no decision support
- f) Limited staffing
- g) No reimbursement

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Demand vs. Supply Of Services

- Coming of age of baby-boomers
 Universal health care for CT
 - residents
 - Overwhelmed PC delivery system
 - ✓ Insufficient # of PCPs
 - ✓ NOT organized to deliver chronic care
 - ✓ Poorly reimbursed
 - Dissatisfied patients Poor outcomes



Two Models of Disease Management

Chronic Care Model



OR		OR	
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Exercise and and a second seco

4/10/2008

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Total # of Participants> 40K

Disease Management

Payer-sponsored Diabetes Disease

Practice Centered

Payer Sponsored

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Characteristic	Chronic Care Model	Disease Management	
		Disease Management	
Entity Name	Medical Home	Organization (DMO)	
Location	Clinic	Remote	
Sponsorship	Demonstrations	Payers/purchasers	
Pt. Identification	Registries Claims		
Care Managers	On-site Remote		
QI Data Source	Chart (including EHR) Administrative + direct pat		
Cost Data Source	Local-Partial Payer-Global		
Contents Core	EBM/Guidelines EBM/Guidelines		
Agency (represents)	Treating provider Payer		
Payment Source	Demos Employers, MCOs, Govern		
Coordination Capability	Limited, Intra-clinic Limited- Patient driver		
Coordination Technology	EHR (Limited)	PHR (Limited)/Payer portal	
Practice transformation	High	Low	
Care Teams	Local (intra-clinic)	Remote (patient-DMO)	
Medical Cost Savings	Under-emphasized Unproven		
Patient Acceptance	High	Variable	
Development Costs	High/duplicative	Low (already in place)	
Physician Revenue	High potential	Low (P4P)	
Linkage with Hospitals	Undetermined	No	







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	Hybrid Community-Based Care	
Characteristic	Coordination Model	
Entity Name	Care Coordination Center (CCC)	
Location	Community "Utility"	
Sponsorship	Mixed	
Pt. Identification	Registries and Claims	
Care Managers	Local community	
QI Data Source	Combined	
Cost Data Source	Payer-Global	
Contents Core	EBM/Guidelines	
Agency	Treating provider	
Payment Source	Employers, MCOs, Government	
	Inter-clinic, Care Coordination Center	
Coordination Capability	(CCC)driven	
Coordination Technology	Community-wide, multi-payer "Hub"	
Practice transformation	Moderate	
Care Teams	Local community of providers +DMO	
Medical Cost Savings Undetermined		
Patient Acceptance	Likely High (local community operation)	
Development Costs	Moderate (shared)	
Physician Revenue	Yes-Moderate (shared CCC/Physicians)	
Linkage with Local Hospitals	Yes	

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The Perfect Storm

Healthcare Spending and Uneven Quality in the US





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