Health System Transformation
&
Health System Interventions

Presentation to Chronic Disease University
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Disclosures

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Has no financial interests or relationships to disclose.
What we’ll cover today...

1. Establish foundational understanding of health systems and health system transformation.
2. Define the current state in order to determine drivers of care.
3. Understanding health system interventions and recommendations.
4. Identify opportunities for public health to partner with private health systems.
Important Distinctions

• Health vs. Health Care
• Health System
  – Private vs. Public
• Health System Transformation
  – Vs. Health System Change?
• Health System Intervention
• Health Insurance
Current State

Problem:
We have pervasive, long-standing, "chronic illness": fragment care

Solution:
Create systems of integrated care
Drivers of Health System Transformation

Today: Reactive and Volume-based

Drivers

- Health Reform
- Affordability Gap
- Triple Aim
- Weight of the Nation
- Reimbursement

The Future: Proactive and Value-based

Health System
Population health management provides comprehensive authoritative strategies for improving the systems and policies that affect health care quality, access, and outcomes, ultimately improving the health of an entire population.

We Protect Lives.
Achieving Success
Making the “Triple Aim” Possible

Engaged Communities
- Proactive care processes
- Identified patients
- Focused on wellness
- Community resource navigator

Engaged Patients
- Identified and incorporated patient goals
- Focused on continuity and coordination
- Facilitated communication channels
- Improved access to care

Identified Opportunities to Reduce Waste
- 4 Rights
- Duplication avoided
- Improved coordination/transition
- Used automation to reduce resource needs
- Improved screening and prevention
- Aligned incentives to drive value

We Protect Lives.
U.S. Healthcare Delivery System Evolution

**Acute Care System 1.0**
- Episodic healthcare
- Lack of integrated care networks
- Lack of quality & cost performance transparency
- Poorly coordinated chronic care management

**Coordinated Seamless Healthcare System 2.0**
- Patient/person centered
- Transparent cost and quality performance
- Accountable provider networks designed around the patient
- Shared financial risk
- Health information technology-integrated
- Focus on care management and preventive care

**Community Integrated Healthcare System 3.0**
- Healthy population-centered, population health-focused strategies
- Integrated networks linked to community resources capable of addressing psycho-social/economic needs
- Population-based reimbursement
- Learning organization: capable of rapid deployment of best practices
- Community health integrated
- E-health and telehealth capable

Changing the Business Model of Healthcare

Aims

- Better Health
- Better Care
- Lower Cost

Objectives

- Healthcare system transformation
- Payment reform
- Population health improvement
New Models of Care Delivery

• Alphabet Soup
  – PCMH
  – ACO
  – EHR
Health System Strengthening Interventions

• Definition
  – systems-based approaches to improving population, community, and individual health by incorporating and addressing the determinants of health and increasing the efficiency and effectiveness of health care.

• Examples
Opportunities for Public Health to Support Health System Transformation

• USPSTF Recommendations
• The interface of public health departments and ACOs
• Community integration structures
  – Innovations in financing
• Quality Improvement
• CDC Policy Examples
  – The 6|18 Initiative
  – Health Impact in 5 Years (HI 5)
USPSTF Recommendations

• Evidence-based Interventions
  – DPP
  – DSME
  – Provider Reminders & Client Reminders
• Integration of Clinical and Community-Based Strategies
  – Community-clinical linkages are defined as connections between community and clinical sectors to improve population health.
Public Health Departments and ACOs

- Defining ACO
- Opportunities for ACOs
  - Linked to Essential Public Health Services
Community integration structures

• What is it?
• Financing Approaches
Quality Improvement Interventions in Public Health Systems

A. Quality improvement intervention

B. Improved public health system performance (structure, process) Measured by public health standards or other quantification of process and efficiency

C. Improved public health outcomes Measured by population-health outcomes or risk factors and preventive services that are precursors of wellness or of poor health

Figure 1. Theoretic model for public health quality improvement initiatives
Examples from CDC

- The 6|18 Initiative
- Health Impact in 5 Years (HI 5)
The 6|18 Initiative

SIX WAYS TO SPEND SMARTER FOR HEALTHIER PEOPLE

REDUCE TOBACCO USE
CONTROL BLOOD PRESSURE
PREVENT HEALTHCARE-ASSOCIATED INFECTIONS (HAI)
CONTROL ASTHMA
PREVENT UNINTENDED PREGNANCY
CONTROL AND PREVENT DIABETES
HI-5

School-Based Programs to Increase Physical Activity
School-Based Violence Prevention
Safe Routes to School
Motorcycle Injury Prevention
Tobacco Control Interventions
Access to Clean Syringes
Pricing Strategies for Alcohol Products
Multi-Component Worksite Obesity Prevention

Counseling and Education
Clinical Interventions
Long Lasting Protective Interventions

Changing the Context
Making the healthy choice the easy choice

Early Childhood Education
Clean Diesel Bus Fleets
Public Transportation System
Home Improvement Loans and Grants
Earned Income Tax Credits
Water Fluoridation

Social Determinants of Health

HI-5

We Protect Lives.
What about Health Equity?

• Examples of issues advocates are currently working on to advance health equity include:
  • Network adequacy
  • Data collection
  • Language access standards for providers and/or health plans
  • Cultural competence standards for providers and/or health plans
  • Non-discrimination provisions
  • Requiring diverse consumer advisory boards for health plans
Examples from CDPS

• Team-based care for diabetes management
• Quitline Interventions
• Cancer Control
  – Client oriented intervention strategies
  – Provider oriented intervention strategies
• CATAPULT
A Model for Diagnosis and Management of Chronic Diseases in Georgia Health Systems
So now what?

• Next steps in health system reform and transformation
  – Calendar Year (CY) 2017 final rule
  – The Medicare Access and CHIP Reauthorization Act (MACRA)
  – Transforming Clinical Practice Initiative (TCPI)
  – The American Health Care Act
Innovation
Resources on Health System Transformation

- **Health Information and Public Health**
  Resources on law and policy related to health information and public health

- **Medicaid Service Delivery: Federally Qualified Health Centers**
  Summarizes the role of Federally Qualified Health Centers in the delivery of healthcare services for the expanding Medicaid population

- **Tribal Epidemiology Centers Designated as Public Health Authorities**
  Provides an overview of tribal epidemiology centers and the recent amendment to the Indian Health Care Improvement Act (permanently reauthorized by the Affordable Care Act), which designated these centers as public health authorities. The issue brief further outlines the impact of this designation under HIPAA.

- **The Affordable Care Act & American Indian and Alaska Native Communities: Selected Readings and Resources**
  A list of readings and resources that describe the Affordable Care Act and the Indian Health Care Improvement Act’s impact on American Indian and Alaska Native communities. The list includes summaries of the laws, scholarly articles, and resources on enrollment and exemptions.

- **Health Department Billing for Immunization Services: A Menu of Suggested Provisions**
  A menu of state law provisions that impact the health department’s authority to bill third parties for services provided. The menu was created by CDC’s Public Health Law Program in cooperation with the National Center for Immunization and Respiratory Diseases.
Resources on Health System Transformation

• **CDC: Health System Transformation and Improvement Resources for Health Departments**

• **Accountable Care: Basic Principles and Related Law**
  Describes accountable care frameworks and the legal provisions that support them. These resources can help practitioners understand how accountable care might impact public health and engage with accountable care entities in their jurisdictions.
  
  – **Legal Mechanisms Supporting Accountable Care Principles**
  Provides the legal context for accountable care, the healthcare delivery mechanism through which providers, facilities, and public health professionals coordinate activities, avoid inefficiencies, and improve public health outcomes. Published in the *American Journal for Public Health* 2014;104(11):2048–51. This copy was reformatted to include full legal citations in the footnotes.
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Questions
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