Health Innovations: Collaborating for Health and Food Security

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Michigan Medicine Overview

- 3 hospitals / 1,000 beds
- 17 primary care health practices
- 46,000 hospital admissions per year
- 2.2 million out-patient visits per year
- 225,000 attributed primary care patients
- Participating in MSSP, CPC+, State Innovation Model, Commercial Incentive Programs
- Robust care management infrastructure to support patients with tangible, psychosocial and health-related needs
  - Complex Care Management Program Focused on high need, high utilizing, most vulnerable population; typically low income patients with complex medical, mental health, social and physical resource needs
  - Bachelor levels social work office connecting all UM patients with community resources
  - Master’s prepared social workers, pharmacists, dietitians and nurse care managers embedded in all primary care practices
Food System Partner

- Food Bank serving Washtenaw County
- 6.5 million pounds of food distributed annually
  - 60% is Produce or Protein
- Mission
  - Alleviate hunger and eliminate its causes in our community
- Health Care and Food Bank Partnership Initiative began in 2017, and has expanded in 2018 with additional support
- Goals
  - Connect more individuals to meaningful food assistance
  - Increase visibility of the issue of food insecurity and limited access to healthy food amongst health care providers
Basic needs impact the health of our patients.

Screening patients for their basic needs and connecting them with appropriate resources helps us:

- Reduce preventable hospital utilization
- Help patients with needs that influence their health

Screening is a requirement for the Michigan State Innovation Model (SIM) and CPC+

*Source: RWJF/County Health Rankings model. Only modifiable factors are included (e.g. genetics/biology excluded).
Enhancing clinical-community linkages is a primary goal of the Michigan SIM and our institution’s primary care practice transformation strategy.

**Michigan State Innovation Model (SIM)**

- Focused on testing a multi-payer service delivery model through $70M grant from HHS
- 2,200 participating PCPs
- 340,000 covered Medicaid beneficiaries

**Community Health Innovation Regions**

- Five regions across the state
- Encourages community-level collaboration across health systems and CBOs
- Jointly developing intervention to address frequent ED use through collaborative case management and shared IT platform

**Patient Centered Medical Home**

- SDOH screening requirement for all PCMH accredited sites
- Joint development of a screening tool with 9 CBOs and 3 physician organizations in our region
- Desire to close referral loop to determine if patients were connected with appropriate social services
All primary care sites have been screening across seven domains since Fall 2017

- Data will be aggregated from providers across our region
- Questionnaire implemented in all Michigan Medicine primary care practices
- Patients are screened at annual health maintenance exam or well child visits
- **Future GOAL**: social needs data informs care management interventions
Observed

- Food insecurity is the second highest need identified after financial strain/skipping medications for our population.
- It is the highest need among pediatric populations (0-18yo).
- ~39,000 individuals or families screened since October 2017.
- Approximately 8% of patients have identified at least one need, 2% of patients have 2+ needs.

Data reflects 10/1/2017-03/1/2018
Evaluation and Impact

• Evaluating food insecurity screening and referral program with participating clinics.
• Gathering patient input to improve process and increase connections between clinic and food pantries

Challenges and Triumphs

• Champions within health systems
• Existing robust network of food pantries
• Inconsistent use of referral tools and procedures
Health Care and Food Bank Partnership Initiative

• Food Insecurity Screen and Referral Program @
  – Michigan Medicine and IHA Primary Care Provider Clinics
  – Regional Alliance for Healthy Schools (RAHS) Clinics
  – Mott Children’s Hospital Emergency Departments

• Hunger and Health Training Program for resident physicians

• Food Pantry partnerships
  – Healthy Pantries
  – Kitchen Kits (cutting board, oil, spices)