

A Scaled Rural Prevention Network: Addressing Food Insecurity in Northern Maine

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CDC Partnerships to Improve Community Health



National Prevention Strategy

- 1. Healthy & Safe Community Environments
- 2. Expand Quality Preventive Services
- 3. Empower People to Make Healthy Choices
- 4. Eliminate Health Disparities





- Network Partners Northern Maine Rural Collaborative (NMRC)
- Regional Context
- Health Factors
- Food Security Interventions
- **Results** Reach, Adoption and Network Engagement

Northern Maine Rural Collaborative Network Partners & Regional Context



Northern Light Health – Serving Maine



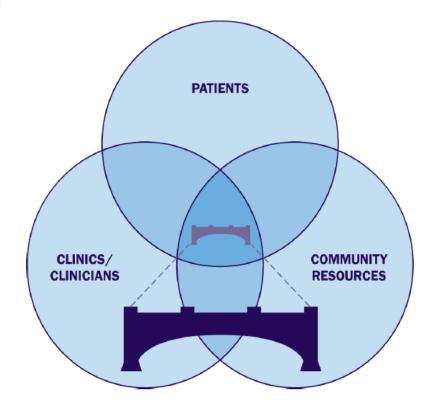
Northern Maine Rural Collaborative Network Partners

Aroostook County Action Program Power of Prevention Mayo Community Outreach Millinocket Regional Hospital Healthy Acadia Good Shepherd Food Bank EMMC Clinical Research Center



Coastal Healthcare Alliance
Bangor Public Health
Healthy Sebasticook Valley
Somerset Public Health
VNA Home Health Hospice
United Way of Eastern Maine
USM Muskie School of Public Service

Northern Maine Rural Collaborative



Shared Network Goals

- 1. Prevent Chronic Disease using evidence-based population level strategies
- 2. Link Community & Clinical Partners to better connect patients with community supports
- **3.** Foster a Prevention Network that could rapidly scale rural community health improvement

Population Health Factors & Disparities

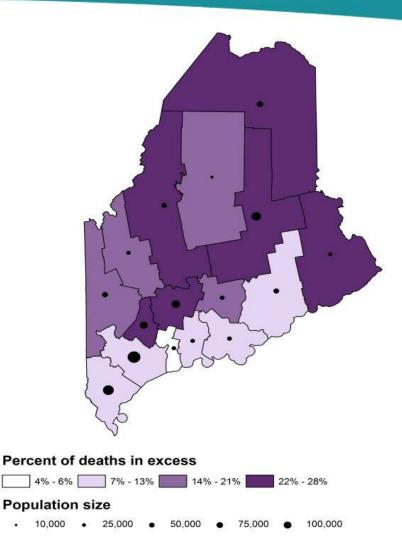


Why Northern Maine? Health Gaps – Excess Chronic Disease

Excess Chronic Disease Morbidity & Mortality Demographic, Environmental & Behavioral Risk

- Aging
- Poverty/Household Income
- Cancer
- Food Insecurity

University of Wisconsin, Population Health Institutes Health Gaps Report 2015



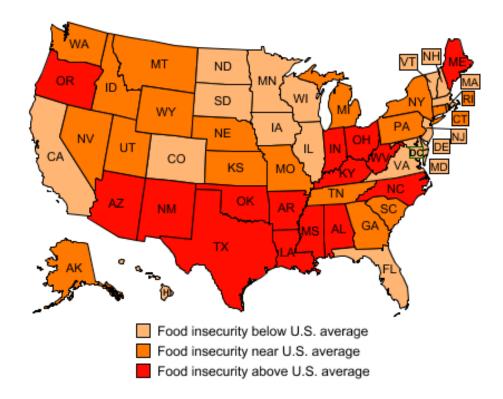
Health Gaps – Food Insecurity in the Maine

Low or Very Low Food Security

Prevalence Rates: (2004-2006) (2014-2016)

USA:	11.3%	13.0%
Maine:	12.9%	16.4%

Prevalence of food insecurity, average 2014-16



Source: USDA, Economic Research Service, using data from the December 2014, 2015, and 2016 Current Population Survey Food Security Supplements.

Food Security Interventions



Intervention Strategy Changing the Context for Health (PSE)

1. Food Pantry System Strengthen the rural food security network

2. Healthier Hospital Food Service Source & serve healthier foods

3. Hunger Screening & Referral Clinical-community connections

Food Insecurity Screening & Referral Community Food & Nutrition Resources

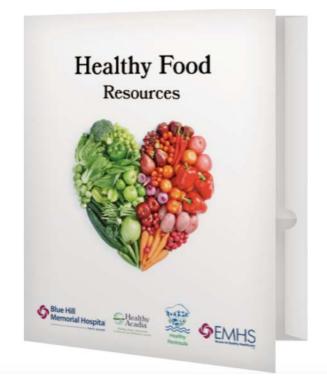
Community partner outreach - laying the groundwork, building relationships, educating & assisting providers



Eastern Area Agency on Aging



Good Shepherd Food Bank



County Resource Guides



Food Insecurity Screening Hunger Vital Sign: Validated 2-Question Screen



The Hunger Vital Sign[™] identifies individuals and families as being at risk if they answer that either of the following two statements is 'often true' or 'sometimes true':

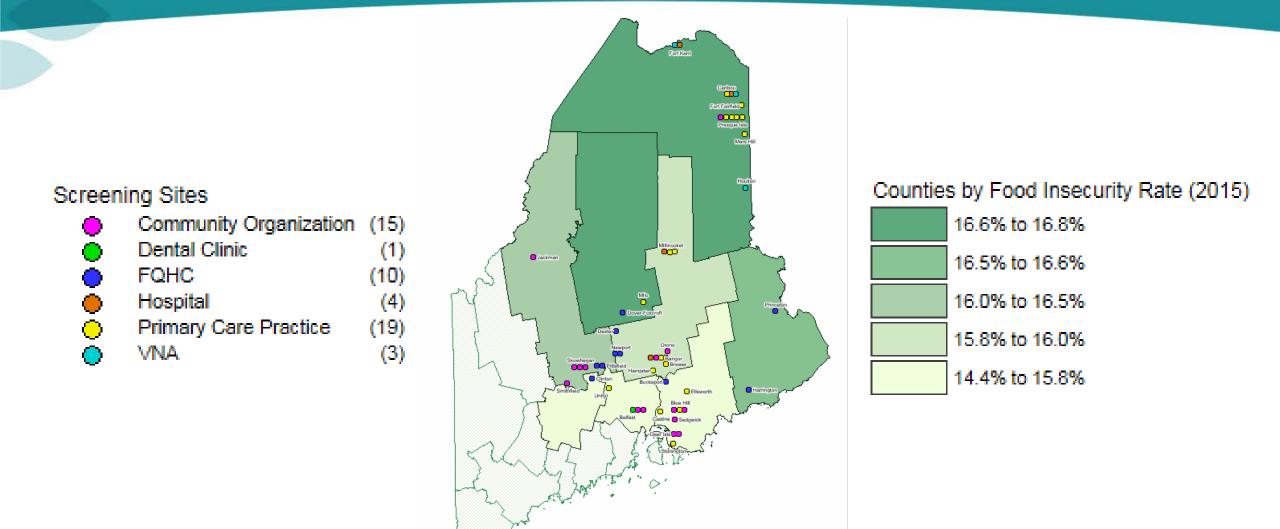
- 1. "Within the past 12 months we worried whether our food would run out before we got money to buy more."
- 2. "Within the past 12 months the food we bought just didn't last and we didn't have money to get more."



Results Reach, Adoption and Network Engagement

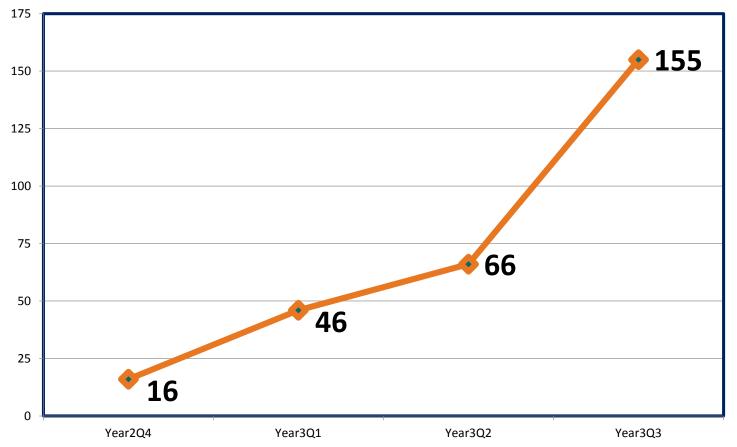


REACH - Food Insecurity Screening and Referral 52 Screening Sites, 7 Counties



ADOPTION - Healthcare Providers Activated

Total Providers by Quarter (12 mos)



Food Insecurity Screening & Referral FINDINGS

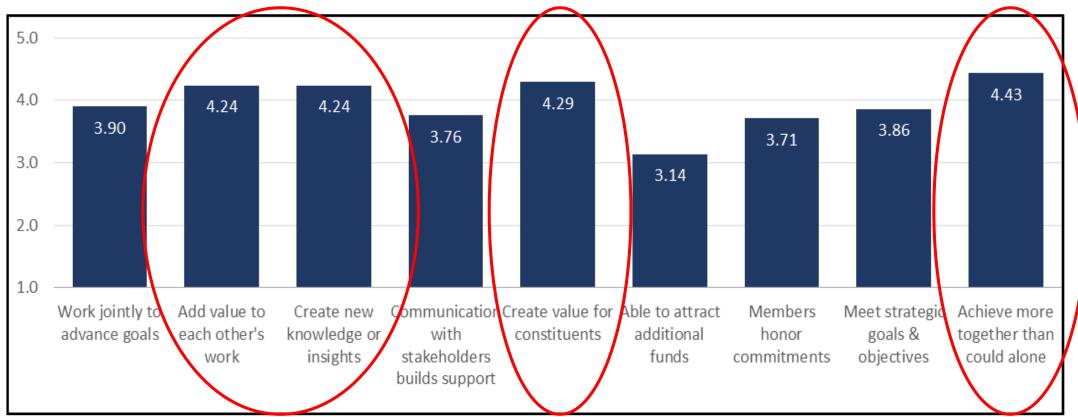
	# Sites	# Screenings	# Positive	% Positive
Clinical sites	37	59,720	4,049	6.8
Community sites	15	1,531	450	29.4
TOTAL	52	61,254	4,499	7.4

Effectiveness

- Patients screening positive were provided referrals 97% of the time.
- 75.3% of patients with positive screens connected with food resources

ENGAGEMENT - Northern Maine Rural Collaborative Network Analysis – Network Performance Mean Scores

Foster a Prevention Network that could rapidly scale rural community health improvement



Network Engagement Implementation Factors

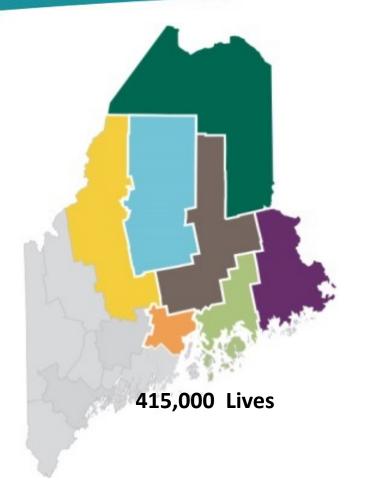
Peer Leadership & Practice Sharing

"Sharing summits have had really good content. Some of the best information comes from within."





Scale - Cumulative Prevention Network Reach (3 years) All Sites, All Interventions





305,000 Lives

73% of Northern Maine Population

Conclusions

1. Healthcare providers and delivery systems can play a vital role in addressing Food Insecurity and other SDOH (Social Determinants of Health)

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2. Real-time peer practice sharing can accelerate best practice implementation and site adoption

3. Accountable rural prevention networks can create scaled value for patients and communities





Thank You

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