Translating Evidence-Based Obesity Guidelines into Clinical Practice

American Public Health Association Annual Meeting November 5, 2013

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Presenter Disclosures

Ingrid Attleson

(1) The following personal financial relationships with commercial interests relevant to this presentation existed during the past 12 months:

· No relationships to disclose



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Funding Acknowledgment

This project was supported by Grant Number 1UL1RR033183-01 from the National Center for Research Resources (NCRR) and by Grant Number 8UL1TR000114-02 from the National Center for Advancing Translational Sciences (NCATS) of the National Institutes of Health (NIH) to the University of Minnesota Clinical and Translational Science Institute (CTSI); and by the Minnesota State Health Improvement (SHIP) program. Its contents are solely the responsibility of the authors and do not necessarily represent the official views of the Minnesota Department of Health, the CTSI or the NIH. The University of Minnesota CTSI is part of a national Clinical and Translational Science Award (CTSA) consortium created to accelerate laboratory discoveries into treatments for patients. The authors acknowledge the Omaha System Partnership for Knowledge Discovery and Health Care Quality.



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Background

· Obesity is a critical issue.



2009 Age-Adjusted Estimates of the Percentage of Adults Who Are Obese



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Obesity Guidelines

 "Prevention and Management of Obesity for Adults"

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Institute for Clinical Systems Improvement:

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Motivational Interviewing

- · Evidence-based approach
- Overcoming barriers to addressing obesity

Amatong MJ, Microshaud TA, Rovinsky PE, Siga RJ, Campbell TS, Hermidgam BR, Mohastoni intensioning to improve weight loss in overweight and rot obese patients: a systematic review and mata-analysis of randomized controlled trials. Obes Rev. 2011; 12:703-723. Christis D, Channon S. The potential for mohastonial interviewing to improve outcomes in the management of distultes and obesity in packatistic and adult populations: a diminist inview. Diabetes



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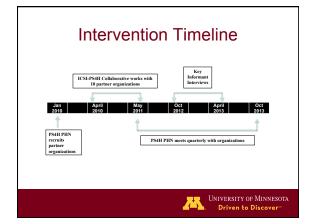
Missed Opportunities

- Evidence-based obesity guidelines are not being fully implemented in clinical practice
- Patients are not receiving effective obesity assessment and counseling

Felix H, West DS, Bursac Z. Impact of USPSTF practice guidelines on clinician weight loss counseling as reported by obese patients. Prev Med 2008;47:394—397. Abid A, Galuska D, Khan LK, Gillespie C, Ford ES, Serdula MK. Are healthcare cordessionals advising obese patients to lose weight? A frend







Evaluation of Intervention Impact

- · Community/Academic Partnership Award
 - Clinical and Translational Science Institute (CTSI)
 - University of MN School of Nursing
 - Otter Tail County Public Health Department
 - Minnesota Statewide Health Improvement Program (SHIP)
 - PartnerSHIP 4 Health (PS4H) local SHIP grantee







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Purpose

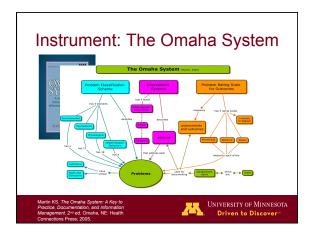
 To investigate the effects of the systemlevel intervention on translation of evidence-based guidelines into clinical practice using the Omaha System.



Specific Aims

- Assess the impact of the intervention on clinician knowledge, behavior, and status relative to obesity guideline implementation using KBS ratings
- Understand end-user perspectives on how and why the intervention impacted guideline use through analysis of key informant interviews
- 3. Evaluate the use of the Omaha System to measure system level outcomes







Aim 1

- · Assessed 10 health care organizations
 - Primary care clinics
 - Migrant health service
 - · Federally qualified health care center
 - County public health departments
 - PT/OT clinic
- 70% rural
- · 60% publicly funded



Aim 2

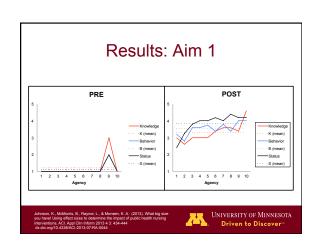
- Interviewed (n=39)
 - Administrators
 - Nurses
 - Nurse practitioners
 - Physicians
 - Physician's assistants
 - Registered dieticians
 - Physical and occupational therapists



Aim 3

- · Comparison of findings
 - Aim 1
 - Aim 2
- · Assess face validity and content validity
 - Interventions
 - Outcome measures





Results: Aim 1

- · Average changes
 - Knowledge (knowledge related to the content of the clinical obesity guideline) = increase of 2.7
 - Behavior (the integrity of clinical obesity guideline use) = increase of 1.9
 - Status (frequency of clinical guideline use in appropriate encounters) = increase of 1.7



Results: Aim 2

- Themes
 - Practical assistance
 - Change ownership
 - Permeates organization
 - New Norm



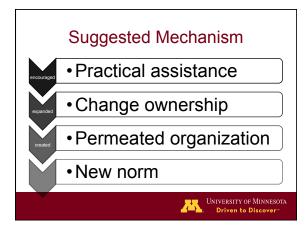












Results: Aim 3

 Comparison of PHN and participant KBS ratings and the interview themes indicate that the Omaha System KBS ratings were consistent with changes noted by participants.



Limitations

- · KBS:
 - Self-report and observational data
- · Qualitative analysis:
 - Independent interviewer



Implications

- Local public health agencies in partnership with health care organizations can transform clinical obesity practice
- The Omaha System can be a useful metric for evaluating translation of evidencebased guidelines in health care delivery



Future Research Steps

- Assess the sustained impact of the guideline translation intervention over time
- Investigate participant perspectives on the suggested mechanism of the impact
- Explore the role of local public health in clinical guideline implementation promotion for other important public health issues

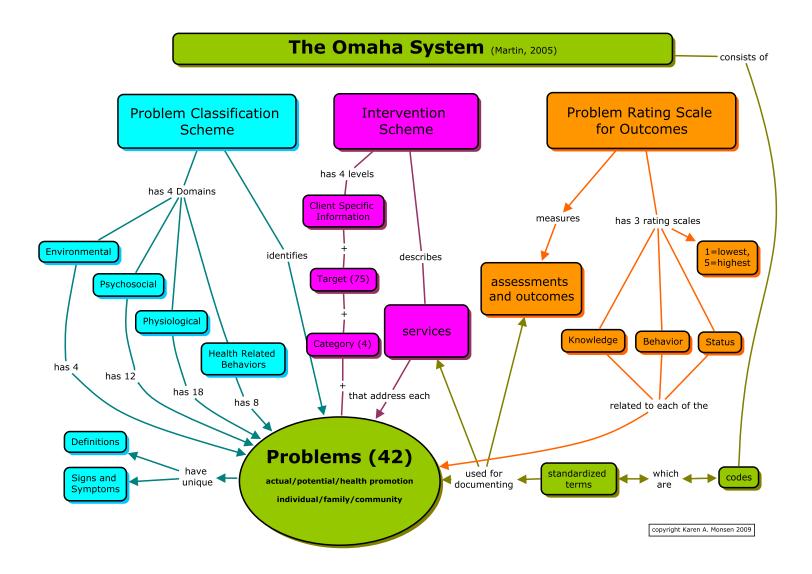


Summary

- Successful translation of obesity guidelines
- Omaha System is a useful measure at the system level
- New system change model suggested by participant themes







Health Care Supervision Care Plan

Category	Target	Care Description Note followed by PHDoc Answer Group
Surv	Screening Procedures	Evidence-based guideline (EBG) knowledge and practice: organizational/clinician surveys, chart audits, action plan, progress reports, patient surveys, other ^{1,5}
TGC	Screening Procedures	EBG knowledge and practice: organizational/clinician surveys, chart audits, action plan, progress reports, patient surveys, other ^{1,5}
TGC	Wellness	EBG information/resources/tools: face-to-face, webinar, conference call, consult, resources, tools, other ^{2,4}
Surv	Behavior Modification	EBG readiness to change: organizational readiness to change, other ³
TGC	Behavior Modification	EBG organizational change: culture of change, action plan, progress reports, explore supports, address barriers, other ⁴
TGC	Other Community Resources	EBG community resources: collaborative, mini-grant, motivational interviewing, CDSMP, I CAN Prevent Diabetes, MNHelp.info, other ⁴
СМ	Other Community Resources	EBG community resources: collaborative, mini-grant, motivational interviewing, CDSMP, I CAN Prevent Diabetes, MNHelp.info, other ⁴