



Minimally Disruptive Medicine

a respectful approach to chronic care delivery

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Disclosure Statement

No financial relationships or interests related to the content of this presentation.

Learning Objectives

- 1. To describe the prevalence of multiple chronic conditions among patients with diabetes
- 2. To describe the concept of minimally disruptive medicine
- 3. Approaches to operationalize minimally disruptive medicine in practice

Multiple Chronic Conditions, US 2012



Strategic Framework on Multiple Chronic Conditions

Goal 1: Foster Health Systems Change

Evidence supported models for care coordination, payment reform and incentives, effective use of HIT, purposeful evaluation of models

Goal 2: Empower individuals

Facilitate self-management, home and community based services, tools for medication management

Goal 3: Equip clinicians

Identify best practices and tools, training, practice guidelines

Goal 4: Enhance research

External validity of trials, patient-centered health research, address disparities

Diabetes and Multiple Chronic Conditions



Comorbidities are common



Drug-disease interactions rare, but chronic kidney disease Drug-drug interactions are common, and some serious



Typologies of Multiple Chronic Conditions



Clusters of Chronic conditions



Adherence to Medications

1.8 million enrollees in Medicare Part D

Evaluated adherence to oral anti-diabetes agents, statins, and ACE/ARBs (conditional on at least 1 fill)

Adherence defined as PDC> 80%

Source: Yang 2009, Clin Ther



Coercion thru threats of dire outcomes from poor control of the disorder are doubly unethical: it does not work and high anxiety patients withdraw from care when threatened.

Haynes et al. JAMA 2002

Poor fidelity to treatments is the patient's fault Intentional noncompliance

> Communication Education Shared decision making

> > Pound et al. Soc Sci Med 2005



Collaborate to co-create a program that fits better

FIT

Intensify treatment

A survey of 627 US primary care clinicians

50% of my patients get too much care

50% of primary care docs are too aggressive60% of specialists are too aggressive

35% practice much more aggressively than what they would like

Evidence-based guidelines are disease-specific

Do the other conditions and their management impact...



Richardson and Doster J Clin Epidemiol 2014



Wyatt KD et al. Med Care. 2014;52 Suppl 3:S92-S100



Wyatt KD et al. Med Care. 2014;52 Suppl 3:S92-S100



Wyatt KD et al. Med Care. 2014;52 Suppl 3:S92-S100

Evidence-based guidelines Quality measures + Specialist care are disease-specific and context blind

Increasingly complex regimens Treatments | Monitoring

Poor care coordination Shift to self-management

Increasing treatment burden

Minimally disruptive healthcare

Health care delivery designed to reduce the burden of treatment on patients while pursuing patient goals

May CR, Montori VM, Mair FS. BMJ 2009; 339:b2803



Shippee N et al JCE 2012

The work of being a chronic patient



Sense-making work



Organizing work and enrolling others



Doing the work



Reflection, monitoring, appraisal

Gallacher et al. Annals Fam Med 2012



The work of being a chronic patient

People with more chronic conditions attend more visits, get more tests, and more medicines Shippee D, In press

2 hours/day spent on health-related activities Jowsey and Yem. BMC Public Health 2012

Of 83 worload discussions in 46 primary care visits (24 min): 70% left unaddressed

Bohlen et al. Diabetes Care 2011

Resilience Literacy Bandwidth Mental Physical Financial Social Environmental

Workload

Capacity

NONCOMPLIANCE

Imbalance workload

capacity

+

Exploring imbalance

- 1. Is there imbalance of workload-to-capacity? Has the clinical disrupted life, or *vice versa*
- 2. Was this acute or chronic imbalance?
- 3. Was this caused by increased workload? From life work? From patient work?
- 4. Was this caused by reduced capacity? Which: personal, functional, socio-economical?

Workload-to-capacity imbalance? Acute or chronic imbalance? By increased workload or reduced capacity?



Resources for easing workload

Problem-focused strategies

Routinizing self-care	Enlisting support
Planning for the future	Using technology
Preserving independence	Proactive with providers
Emotion-focused coping	
Maintaining positive attitude	Focusing on life priorities
Questioning the notion of burde	en
Adaptation of self-care	Social comparison with others
Receiving support from others	
Informational	Emotional/companionship
Positive aspects of health care	
Systemic aspects	Individual provider

How to manage?

Assess burden of treatment and illness

Align workload with patient goals:

Problem focused strategies (identify what is wanted and what is not)

Goal elicitation

Shared decision making

Medication therapy management (deprescribing)

Systemic alignment

- Efficiency of visits
- Care delivery locations
- Transportation
- Financial

Increase capacity for patients and families

Capacity coaching

Leverage community and personal resources



Gallacher et al. ABC of Multimorbidity 2014

Managing Workload

MDM – the management process

Patient-focused

- A. Encounter actions:
 - Shared decision making
 - Medication therapy management
 - Capacity coaching
- B. Referral actions:
 - Self management training
 - Palliative care
 - Mental health
 - Physical and occupational therapy
 - Financial and resource security services
 - Community and governmental resources

Keep in Mind

Sexual Issues

Sleep

Cost

Weight Change

Stopping Approach

What You Should Know

Will this medicine work for me?

- · The antidepressants presented in this decision aid all work the same for treating depression.
- Most people with depression can find one that can • make them feel better.
- 6 out of 10 people will feel better with the first antidepressant they try and the rest will have to try other antidepressants before they find the one that is right for them.

How long before I feel better?

• Most people need to take an antidepressant regularly for at least 6 weeks to begin to get the full effect.

Understanding side effects

- Most people taking antidepressants have at least one side effect.
- · Many side effects go away after a few weeks, but some only go away after you stop the medicine.

Weight Change

Weight change is most likely to occur over a long period of time and depends on your actual weight.



Stopping Approach

Quitting your medicine all at once can make you feel sick, as if you had the flu (e.g. headache, dizziness, light-headedness, nausea or anxiety).

	None More likely	Sick if you skip
Citalopram (Celexa®)	•0000+	
Escitalopram	• 00000 +	
Fluoxetine (Prozac®)	- 86888	
Fluvoxamine (Luvox*)	• 66666 •	
Paroxetine (Paxil*)		\odot
Sertraline	• 2010 10 +	
Desvenlafaxine (Pristiq®)	+ 8101818 +	\odot
Duloxetine (Cymbalta®)	• 88888 •	\odot
Venlafaxine (Effexor®)		\odot
Mirtazapine (Remeron®)	• 00000 +	
Bupropion (Wellbutrin*)	• 8888	
Nefazodone (Serzone*)	•	
Trazadone (Desyrel*)	+0000+	
Amiptriptyline or Nortriptyline (Elavil® or Aventyl HCI®)	• 0000	

SNR

Others

Comfortable

Knowledgeable

Satisfied

(feel better)

Free Minimal resource needled

> Engaged in decision making process

Comfortable

Satisfied

Use tool/like it



More helpful

Improved knowledge

Increased patient involvement

No difference in adherence (perfect adherence in control gr)

No significant impact on HbA1c levels

		Evenetide			E		hem to s	Giltazones (No generic available	9)
Gliptins	Glipt	Exenatide	Take in the hour		Exenatide			\$7.20 per day	\$650 / 3 months
o o o o o o o o o o o o o o o o	No Seve	HARAN HARAN	before meals.	Gli	S M T W T F S	Monitor twice daily after meals when used with Sulfonylureas, as needed when used with Metformin.	ins patients r stion and	Exenatide (No generic available) \$9.00 per day	\$800 / 3 months
 Zood mego reactioned to mendial conclusion and memories, no again memories. 	0 20 3	Sulfonvlureas	Take 30 min. before meal.	O DOGO MONO POLINIZA	Sulfonvlureas		s roungilion to wee		
		OR OR	M. M			Monitor 2 - 5 times weekly, less often once stable		Sulfonylureas (Generic availab \$0.10 per day	le) \$10 / 3 months
		Gliptins			Gliptins			Clinting	
		9 ²⁴			S M T W T F S	Monitor 2 - 5 times weekly, less often once stable.		\$6.20 per day	\$560 / 3 months
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Mullan RJ et al. Archives of Internal Medicine 2009



Statin Choice





attack by taking medicine

MDM – the management process

System-focused

A. Reduce waste for the patient / caregiver

In accessing + using healthcare/other services In enacting self-care

B. Team-based care

Train primary care team in MDM

C. Policy review

Guidelines/quality measures to enable MDM



Provide care and services that FIT

Lean consumption

Medication therapy management

Relational coordination

"Choosing Wisely"

Integrated behavioral health

Care transitions

Community navigators

Capacity coaching

Resource registries

Increasing Capacity

Are these areas of your life of satisfaction, burden, or b	a source oth?	Are the medical things that you're doing a help, a burden, or both?			
Satisfe	Burden	A help A burden			
My Family and Friends					
My Work					
My Rest and Comfort					
My Home and Neighborhoo	od 🖉 🖉				
My Finances					
My Emotional Life					
Being Active					
My Senses and Memory					
Free time, Relaxation, Fu	n 🕜 🕜				
Meaning and Belonging					
Eating Well					

TODAY'S DATE

PRESCRIPT Freeborn County community resources prescription pad

PATIENT	NAME,			
PATIENT	FMAIL			

CHRONIC DISEASE SELF-MANAGEMENT PROGRAM (LIVING WELL WITH CHRONIC CONDITIONS) DESCRIPTION: SX-WEEK PROGRAM, WITH TWO-HOUR WEEKLY SESSIONS AT MAYO CLINIC HEALTH REACH CAMPUS

COST: FREE

PROGRAM COMPONENTS: FOR ANYONE OVER THE AGE OF 18, APPROPRIATE EXERCISE AND MEDICATI COMMUNICATING EFFECTIVELY WITH FAMILY, FRIENDS, HEALTH PROFESSIONALS, DECISION MAKING, E TREATMENTS, DEALING WITH FRUSTRATION, FATIGUE, PAIN AND ISOLATION.

CONTACT : SENIOR RESOURCES, NANCY HALVORSEN, NANCYH@SROFC.ORG, 507-377-7433

DIABETES PREVENTION PROGRAM (PARTNERSHIP WITH MCHS AND Y-USA)

DESCRIPTION: 12-month group-based program consists of 16 one-hour weekly sess monthly sessions at the Albert Lea Family Y.

COST: Call for Information

PROGRAM COMPONENTS: A trained lifestyle coach will introduce topics in a suppo environment and encourage participants as they explore how healthy eating, physi behavior changes can benefit their health. The 12-month group-based program cor hour, weekly sessions, followed by monthly sessions led by a trained lifestyle coach small group of people with similar goals. Discuss topics such as healthy eating, incre activity, reducing stress, problem solving, and much more. Stay motivated to maint towards program goals with monthly maintenance sessions.

CONTACT INFO: Albert Lea Family Y, Dennis Dieser, dennis@ymcaal.org, 507-373-8

TAI JI QUAN (TAI CHI) - MOVING FOR BETTER BALANCE

DESCRIPTION: Classes are held twice a week for 12 weeks at Mayo Clinic Health Sys campus

COST: FREE

PROGRAM COMPONENTS: Tai Ji Quan is an evidence-based fall prevention and balance adults. Using a series of slow, flowing forms, seniors will practice movements show balance, flexibility, strength, and mobility. Tai Ji Quan can be done seated, standing coordinates breathing with motion for a complete routine.

CONTACT INFO: SENIOR RESOURCES, CAROL SOMA, CAROLSOMA@GMAIL.COM, 507-377-7433

BONE BUILDERS (BUILDING STRONG BONES FOR A LIFETIME)

Description: Classes held at various times and locations throughout Freeborn Cour Cost: FREE

Program Components: a fitness program for people 60 and older that focuses on b training and has an educational component that includes such topics as fall prevent and nutrition. They are intended to help seniors make changes that will truly help i healthy, while also ensuring that the program itself does not increase stress or caus program starts off very gently and builds gradually as your strength increases Contact Info: Senior Resources, *Carrie Paulson*, <u>carriep@srofc.org</u>, 507-377-7433

] TOBACCO CESSATION

Description: Support In person or over the phone Cost: FREE

Program Components: Right here in Freeborn County at Mayo Clinic Health System we have a Certified Tobacco Treatment Specialist. Certified Tobacco Treatment Specialists, or CTTSs, are professionals who are trained to provide treatment for individuals seeking to stop using tobacco. The CTTS helps tobacco dependent individuals eliminate or substantially reduce their tobacco use by assisting them in developing the motivation, confidence, knowledge and skills necessary to achieve cessation and maintain abstinence.

Contact Info: Mayo Clinic Health System, Rebecca Arneson, arneson.rebecca@mayo.edu, 507-377-5960

POWERFUL TOOLS FOR CAREGIVERS

Description: Six weekly classes

Cost: FREE

Program Components: Caregivers develop a wealth of self-care tools to: reduce personal stress; change negative self-talk; communicate their needs to family members and healthcare or service providers; communicate more effectively in challenging situations; recognize the messages in their emotions, deal with difficult feelings; and make tough caregiving decisions.

Contact Info: Senior Resources, Nancy Halvorsen, nancyh@srofc.org 507-377-7433

Breastfeeding Class

Description: This one-session class, designed for both the pregnant mother and her support person, provides important information and support for successful breastfeeding, taught by a certified lactation specialist. Recommended between 30-38 weeks of pregnancy.

Cost: FREE

Contact Info: Freeborn County Public Health, Cheryl Lonning, <u>cheryl.lonning@co.freeborn.mn.us</u> 507-377-5100

LOCAL OPTIONS FOR PHYSICAL ACTIVITY: MAYO CLINIC HEALTH SYSTEM'S HEALTH REACH CAMPUS, ALBERT LEA FAMILY Y, BLAZING STAR TRAIL, HELMER MYRE STATE PARK, BLUE ZONES WALKWAY, MALLS, BROOKSIDE SCHOOL IF YOU ARE OVER 55 AND HAVE TRANSPORTATION NEEDS PLEASE CONTACT SENIOR RESOURCES AT 507-377-7433

INDEPENDENT PHYSICAL ACTIVITY (ON YOUR OWN OR WITH PROGRAM OF YOUR CHOICE

TYPE OF PHYSICAL ACTIVITY	AEROBIC - DEFINE THIS	STRENGTH DEFINE THIS
NUMBER OF DAYS PER WEEK:		
MINUTES PER DAY:		
TOTAL MINUTES PER WEEK:		

CLINIC:

THIS IS A HIPAA-COVERED ENTITYYES	No	DON'T KN	iow	
WOULD LIKE TO RECEIVE AN OUTCOMES REPO	RTYES	No	SEND TO:	
THE DATE RANGE FOR THIS REFERRAL IS		TO		
PROVIDER SIGNATURE				

I CONSENT TO THE ABOVE PROGRAMS CONTACTING ME WITH INFORMATION ABOUT THESE PROGRAMS. PATIENT SIGNATURE "What can I do for you today?"

PATIENT HEALTH QUESTIONNAIRE (PHQ-9)

IME:		DATE:			
Over the <i>last 2 weeks</i> , how often have you been bothered by any of the following problems? (use "✓" to indicate your answer)	HOLALEN	Sevenitors	Mar pantan	Harris ment ber	
1. Little interest or pleasure in doing things	0	1	2	3	
2. Feeling down, depressed, or hopeless	0	1	2	3	
 Trouble falling or staying asleep, or sleeping too much 	0	1	2	3	
4. Feeling tired or having little energy	0	1	2	3	
5. Poor appetite or overeating	0	1	2	3	
6. Feeling bad about yourself—or that you are a failure or have let yourself or your family down	0	1	2	3	

nstrument. 8 the degree resound /rɪ'zaʊnu -tir, from re- 'again' + s - ORIGIN MIL phic or television image adj. formal or archaic] cide or dispel some (y) take a solution t (iscord) to to heal or (booming, or echoing if fame, success, e much talked of. > [as ding] emphatic; takable: a resounding s n. > (of a) of harmonic DERIVATIVES resounding ', suggested ote. 3 Musi ce a subject or - ORIGIN ME: from REething i ste elements or resoner or L. resonare 'so su. resource lysis in Ty separate into resource /rɪ'səːs, rɪ'zəːs an action n) > chi mething seen at es. > (reso or supply of materials o adopted in adverse circ that sustai differet when seen more sonal attributes and caung aid. •v. photogi uipment) separmeen (c) ljacent objects). verse circumstances. abse (a for in a graph or ssourse, fem. I rticular dire city) into comre 'rise again, resources. DERIVATIVES reso formal resolu n. 1 firm deability a resolv. 2 legislative the ability t ORIGIN C17: from culties. as n.) of OFr resou colved 1111

"You mean the doctor could ask me how I am coping with my disease? Wow, that would change the world."

Prototypes

WHAT MAKES YOU FAMOUS?

. . .



Results

Are these areas of your life a source of satisfaction, burden, or both?

Satisfac	Burden
My Family and Friends	$\odot \odot$
My Work	$\bigcirc \oslash$
My House & Neighborhood	$\bigcirc \oslash$
My Finances	$\odot \oslash$
Free time, Relaxation, Fur	n© Ø
Faith or Personal Meaning	\odot
Being Active	$\odot \oslash$
My Rest and Comfort	$\bigcirc \bigcirc$
My Emotional Life	$\bigcirc \bigcirc$
My Senses and Memory	$\bigcirc \bigcirc$
Eating Well	$\odot \oslash$
	J

What are the things that your doctors or clinic have asked you to do to care for your health?

For example:

Т

Come in for appointments

Take aspirin

Do you feel that they are a help, a burden, or both?



Comments

L

"What stands out to you?"

What we heard...

"Would you believe that 4 out of 5 days of the week, I have to be a patient?"

"Let's get as much synced as possible so you only have to come in once every 3 months." "I' ve been told to have # of milligrams per day, and I am so careful, but it's taken over my life a bit."

"Don't use table salt to salt your food, and don't eat more than 2 canned/prepackaged foods per day, and you'll be fine."

Burden: Insulin 4X/Day

Solution: Insulin 2X/Day

"Given everything you have going on, do you feel like going for this test would be too much?"

"I really don't have anything that is giving me joy right now."

"We're going to find something together."

Conclusions

Acknowledge

Address

Adapt

Partner

Minimally disruptive healthcare

Health care delivery designed to reduce the burden of treatment on patients while pursuing patient goals

May CR, Montori VM, Mair FS. BMJ 2009; 339:b2803

Measuring quality in MDM



Adapted from NQF: MCC Measurement Framework 2012

Ability to adapt and self-manage

Huber M et al. BMJ 2011; 343:d4163

To fully play the role they play









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http://shareddecisions.mayoclinic.org http://minimallydisruptivemedicine.org