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# Objectives

- ◆ Update the epidemiology of depression within the US
- Awareness of the importance of recognizing depressive disorders and early initiation of treatment
- Review methods of screening and barriers to screening within a primary care clinic
- Discuss evidenced based methods for depression care workflow within the primary care clinic
- Offer options for improving access to behavioral health providers and collaboration

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# Major Depressive Disorder (MDD)

- ◆ Depression is the leading cause of disability worldwide (NHAD, 2015)
- ◆ Familial and societal burdens associated with under recognized and/or undertreated depression (tablebook and and
  - ◆ Decrease in work productivity
  - ◆ Substance abuse
  - ◆ Disability
  - ◆ Unemployment
  - ◆ Suicide



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# Major Depressive Disorder (MDD)

- ◆Increasing financial burden of depression in the United States (US):
  - ◆\$173.2 billion in 2005 to \$210.5 billion in 2010 (Alinicon, et al., 2013, Greenberg, Sisislay, Crystal, & Kessler, 2015)

# FOR EVERY \$1 IN TREATMENT FOR ANXIETY AND DEPRESSION RETURN ON

**INVESTMENT IS \$4** 

(Chisholm, et al., 2016)



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# Major Depressive Disorder (MDD)

- ◆6.6% of adult population with episode MDD in past 12 months though only 1/3 obtain treatment
- ◆ Due to stigma, short appointment times or cultural assumptions, feeling depressed not often shared or apparent (come at al. 2010, Comeny at al. 2011)
- ◆Can present with different symptoms
- ◆Often co-exists with anxiety
- ◆Early and appropriate treatment improves symptoms and can prevent adverse outcomes
- Associated with increased morbidity with many co-existing chronic illnesses

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# **Depression and Chronic Illness**

- ◆Cardiovascular Disease
  - ♦ Higher mortality rates with co-morbid depression (Leuring at al.,
  - ◆ Depression independent predictor of poorer outcomes in coronary heart disease (Laurge at al. 2022)
- ◆Chronic Pain
  - ♦Increased opioid misuse
  - ◆Increased opioid tolerance, poorer pain control (Wassan et al. 2015)
  - ◆More likely to have prescription written for opioids ∞∞∞ x

# Depression and Chronic Illness ◆copp

- ♦ 59-65% higher risk of depression (Atlantia, Fahay, Cochran & Smith, 2013)
- ♦ Depression increases mortality risk by 83% (Allardia, Fahrey, Cochran & Smith, 2013)
- Dementia

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- ♦ 87-92% increased risk with history depression
- ◆ Two or more episodes doubles risk (Dolson, Beydown, & Zonderman, 2010)
- ▲ Diahatas
  - ◆ Multiple studies showing association with higher rates of depression (Green, Basels, Fox & Grandy, 2012; Noween et al., 2010)

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Major Depressive Disorder (MDD)	
◆ Criteria #1:	
<ul> <li>◆ 5 or more of the following symptoms nearly every day in the same 2 weeks-depressed mood or loss of Interest or pleasure must be one of the 5 symptoms:</li> <li>◆ Depressed mood most of the day *</li> </ul>	
Decreased interest in pleasure or interest in the normal activities of one's life *	
<ul> <li>Weight loss or weight gain or change in appetite</li> <li>Insomnia or Hypersomnia</li> </ul>	
Psychomotor agitation or retardation (restless or moving slowly)	
◆ Fatigue or loss of energy	
◆ Feelings of worthlessness or excessive guilt	
Decrease ability to concentrate	
Recurrent thoughts of death, recurrent suicidal ideation with or without plan	
◆ Criteria #2: The symptoms cause significant distress or impairment	
◆ Criteria #3: Cannot be caused from the effects of a substance, or medical condition	
American Psychiatric Association: Diagnostic and Statistical Manual of Mental Disorders, Fifth Edition. Arlington, VA, American Psychiatric	

# Screening recommendations Screening for depression recommended by: The United States Preventative Services Task Force [USPSTF] (USPSTF, 2016) American Association of Family Physicians [AAFP] (AAFP, 2016) American Diabetes Association [ADA] (ADA, 2017) Institute for Clinical Systems Improvement [ICSI] (CSI, 2016) All recommendations: screen only if system in place for follow-up of positive screens

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# Primary care role in assessment and management of depression

- ◆Institute of Medicine's definition of primary care:
  - "Primary care is responsible for the majority of personal health care needs, which include physical, mental, emotional, and social concerns" (December 1996), 131
    Primary

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Depression screening in primary care settings



- ◆Primary care providers:
  - ◆Have the more opportunities for contact
  - ◆Typically have built trust
  - ♦ Have ability to assess for associated social determinants
  - ◆Linkage to early and effective treatment

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Depression screening in primary care settings

Depression and anxiety most often managed in the primary care setting (MANA OF AL 2011) DAMPOR AD(1)

- ◆ Primary care providers have ability to diagnose depression though often miss it MARMAR MAY, UNIV. A. ROLL B. 2009
- ◆2012-2013: 4.2% adults screened (Ackincigal & Matthews, 2017)
  - Under recognized in older adults, young men and low income minorities (PARKED) & AMERICAN, 2017, PRAN of al., 2015. AMERICAN, of all 2012; Mapping, 4011, 4011, 2017)



# Depression screening in primary care settings Merit Based Incentive Payment System (MIPS) 2017 Formally PQRS Depression care with measurements Coordination of care for adults with MDD and specific co-morbid conditions+Suicide Risk Assessment for adults and children/adolescents+ with MDD Anti-depressant medication management in adults Depression remission at six months (PHQ-9 <5) +, \* Depression remission at six months (PHQ-9 <5) +, \* Depression remission at six months (PHQ-9 <5) +, \* Utilization of PHQ-9 <5) +, \* Utilization of PHQ-9 tool for adults with diagnosis of depression/dysthymia during 4 month period Screening for clinical depression and documented follow-up plan (ages 12 and older) Depression remission at six months (PHQ-9 <5) +, \* Utilization of PHQ-9 + (5) +, \* Utilization o

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Barriers to adequate depression care in primary care
◆ Treatment to goal measures low
<ul> <li>Provider discomfort with management or understanding of treatment guidelines</li> </ul>
<ul> <li>Less aggressive treatment when other chronic conditions present (GII, Chen. &amp; Lieberman, 2008)</li> </ul>
◆ Inadequate time to follow-up a + depression diagnosis
◆ Decreased adherence to treatment (Tamblyn, et al., 2014; Warden, et al., 2014)
♦ Over-utilization of medications (Rhee et al. 2016)
◆ Financial non-sustainability for care management assistance or collaborative care
◆ Care management services prioritized for other chronic illnesses and population health measures

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# Limitations of referral to behavioral health services

- ◆Behavioral health (BH) provider access limited
- ◆Carve out system
- ◆Lack of workflow for initial referral to BH
- ◆Psychiatry provider shortage
- Process of follow-up on referrals to BH services not given same priority as other specialties (Kensler, et al.
- ◆ Lack of knowledge of community BH resources

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### National shortage of psychiatry providers

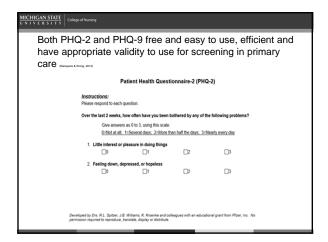
- ◆ Few accept publicly funded insurances (Kalser Commission on Medicald and and the Uninsure
- ◆ Low reimbursement rates from state Medicaid programs (National Council
- ◆ 40% of the nation's psychiatry workforce practice only in "cashonly" private practice (National Council for Behavioral Health, 2017)
- ◆ Psychiatry providers do not have the resources or training to deal with the multiple social determinants that are associated with severe depression and anxiety in the Medicaid population (Material)
- ◆ 77% of US counties are considered underserved in regards to psychiatry (National Council for Behavioral Hoalth, 2017)
- ◆ 55% states are considered to have a serious shortage of psychiatry providers that specialize in child and adolescent psychiatry (historial Council for Behavioral Health, 2017)
- ◆ The majority of primary care providers report difficulty in obtaining psychiatric care access (Curvingham, 2009)

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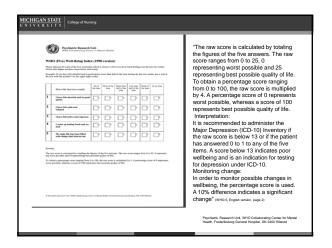
# **Screening Tools**

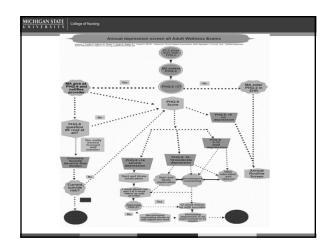
- ◆ Patient Health Questionnaire 9 (PHQ-9)
  - ◆ Nine questions
  - ◆ Assesses severity of depression
  - A score of 9 or greater specificity 85%, sensitivity 95% for depression
  - ♦ Available in most EHRs
- ♦ PHQ-2
  - ◆ Adapted from PHQ-9
  - ◆ Two questions
  - ◆ Cut off score of 3 or greater 90% specific, 89% sensitive for depression
  - ◆ Score greater than 3 requires screen with PHQ-9 (COMPAGE & SQUIRE & WINDOWS & SQUIRE & WINDOWS & SQUIRE & WINDOWS & SQUIRE & WINDOWS & SQUIRE & SQ

	(PHQ-9)			RE-9	
Over the <u>last 2 weeks</u> , by any of the following (Use *** to indicate you	how often have you been bothered problems? r answer)	Not at all	Several days	More than half the days	Nearty every day
1. Little interest or please	are in doing things	0	1	2	3
2. Feeling down, depress	sed, or hopeless	0	1	2	3
3. Trouble falling or stay	ing asleep, or sleeping too much	0	1	2	3
4. Feeling tired or having	little energy	0	1	2	3
5. Poor appetite or overe	eating	0	1	2	3
Feeling bad about you have let yourself or your part of your part of the	rself — or that you are a failure or ur family down	0	1	2	3
Trouble concentrating newspaper or watchin	on things, such as reading the g television	0	1	2	3
noticed? Or the oppo	slowly that other people could have site — being so fidgety or restless oving around a lot more than usual	0	1	2	3
Thoughts that you wor yourself in some way	uld be better off dead or of hurting	0	1	2	3
	For office con	ows <u>0</u> •	-:	Total Score	=
If you checked off any work, take care of thing	problems, how <u>difficult</u> have these gs at home, or get along with other	problems m people?	ade it for	you to do	your
Not difficult at all	Somewhat difficult	Very difficult		Extreme difficul	



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Other Screening Tools  ◆Beck's Depression Inventory  ◆21 questions	
◆ Score greater than 4 specificity 99%, sensitivity 97%  ◆ Requires fee to use  ◆ More time needed than PHQ-9 (Beal, of al., 1981) Navignate A Vising, 2014	
◆World Health Organization Five (WHO-5)  ◆Five item scale  ◆Looks at wellbeing and percent change	
◆No fee  ◆More sensitive, less specific than PHQ-2 № Nong. 2014)	





# Best care for Depression in Primary Care Settings Integrated Care: Primary care Providers, Clinical Pharmacists, RN Care Managers, on-site behavioral health provider/psychiatry Most evidenced based to improve outcomes Decreases fragmentation of health care Supported by National Committee on Quality Assurance (NCQA), Institute of for Clinical System's Improvement (ICSI), AAFP, APA, IOM and many others Agency for Healthcare Research and Quality (AHRQ) Patient Centered Medical Homes (PCMH) #1 Key function: Comprehensive Care, #3 Coordinated Care Full reimbursement for services lacking Expensive, need funding and community support for sustainability

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# Other Care Models

- Collaborative Care: Care manager (RN or MSW) utilized for liaison between PCP, patient and BH
  - ◆Based upon the Chronic Care Model components
  - ◆Psychiatry usually not co-located though accessible
  - Cases discussed on routine basis with psychiatry and recommendations forwarded by care manager to PCP
  - Has shown effectiveness in improving outcomes of depression and other chronic illnesses
- ◆ Reimbursement also an issue

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# No resources or support for defined integrated or collaborative care?

- Need workflow for follow up and access to BH resources if screening for depression
- ◆ Need workflow/policy when screening for suicide
- Mild and moderate depression effectively treated by education about depression and self care, and psychotherapy (ICSI, 2016)
- ◆ Often difficult for patient to initiate BH services
- Setting up a referral process from primary care office to BH provider requires community BH provider involvement
- ◆ Behavioral health network

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# Setting up a behavioral health network

- ♦ Begin making calls
  - ◆ Get to know a few community BH providers
  - ◆ Word gets out
- ♦ Make a resource/catalogue of therapists or therapy groups
  - ◆ Licensing, qualifications
  - ◆ Location
  - ◆ Insurance panel or cash payments?
  - ♦ Wait times
  - Association with psychiatry
  - ◆ Specialty (patient ages? diagnoses? spiritual care? culturally sensitive care?)
- ◆ Inquire if they accept direct referrals and best method (HIPPA compliant fax?)
- ♦ Check with state rules regarding the sharing of BH information
- ◆ Create special referral form to help facilitate referral
- Request confirmation of services and/or short consult note

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# Setting up behavioral health network

- ◆Educate staff regarding workflow process
- ◆Emphasize the importance of initiating and following up on referrals
- ◆Still need PCP clinic follow up to assess for improvement
- ◆Connect often with BH providers to assess process
- ◆Consider meet and greet "fairs" for PCPs and BH providers

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# Resources

Lexicon for Behavioral Health Integration "Lexicon"

https://integrationacademy.ahrq.gov/sites/default/files/Lexicon.pdf

2017 MIPS quality measures

- https://qpp.cms.gov/mips/quality-measures

  Example of a referral to behavioral health services (Community Care of NC)
- https://www.communitycarenc.org/media/files/behavioral-referral-section-1-fillable-pdf.pdf
- Example of BH communication to PCP (Community Care of NC) https://www.communitycarenc.org/media/files/behavioral-referral-section-ii-pdf.pdf

Example of a flowchart for BH referrals (Dept of health Sarasota, FL county)

- $https://www.integration.samhsa.gov/about-us/FDH\_Referral\_Tracking\_Diagram.pdf$
- Link to Columbia Suicide Severity Rating Scale
- http://cssrs.columbia.edu/the-columbia-scale-c-ssrs/healthcare/
- Suicide Assessment Five-step Evaluation and Triage (SAFE-T)
- $\underline{\text{http://cssrs.columbia.edu/the-columbia-scale-c-ssrs/healthcare/}}$
- PHQ-9 for Adolescents:

https://www.integration.samhsa.gov/images/res/8.3.4%20Patient%20Health%20Ques tionnaire%20(PHQ-9)%20Adolescents.pdf

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