Successful Diabetes Management: A Two Way Street

2023 AAPA National Conference
Nashville
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Objectives

- Describe diabetes care workload; what it means to cover all the bases
- Advance use of PWD: Persons with Diabetes
- Discuss the concept of a therapeutic alliance and its mutually beneficial impact on PAs and PWD
- Detail DSMES's role in your practice; the who, when and how of using it



Demographic Question

In a given week, about what percentage of your patient case load receive diabetes management <u>education</u>.

- 5%
- 10%
- 20%
- 30%
- >40%

Pre-Test Question #1



Your primary care practice cares for a large number of persons with diabetes (PWD). You have recently heard about Diabetes Self-Management Education and Support (DSMES) services and wonder which times are considered critical times to refer your patient for this type of service. Which of the following are these times?

- 1. At diagnosis
- 2. Annually
- 3. When complications arise
- 4. When transitions of care take place
- 5. All of the above situations

Pre-Test Question #2



You have just referred your patient with type 2 diabetes for Diabetes Self-Management Education and Support (DSMES). Which of the following outcomes would you expect based on their completion of this program?

- 1. Increased hospital admission
- 2. Increased patient confusion about their diabetes
- 3. Improved quality of life & coping
- 4. No appreciable change in HbA1c

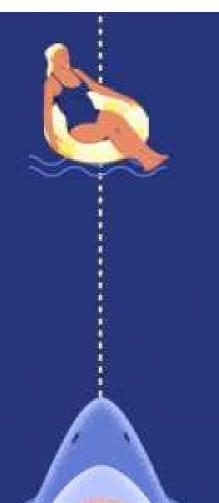
Description

 Managing diabetes consumes large portions of PAs' time and energy and is a "part-time" job to PWD



Partnership

- US annual <u>diagnosed diabetes</u> numbers are a staggering 28.7 million and 96 million with <u>pre-diabetes</u>
- Can you go it alone?
 - generating a therapeutic alliance supporting lifelong learning and patient empowerment model is essential



RISK OF SHARK ATTACK: 1 IN 11.5 MILLION

RISK OF PREDIABETES: 1 IN 3 ADULTS

DolHavePrediabetes.org



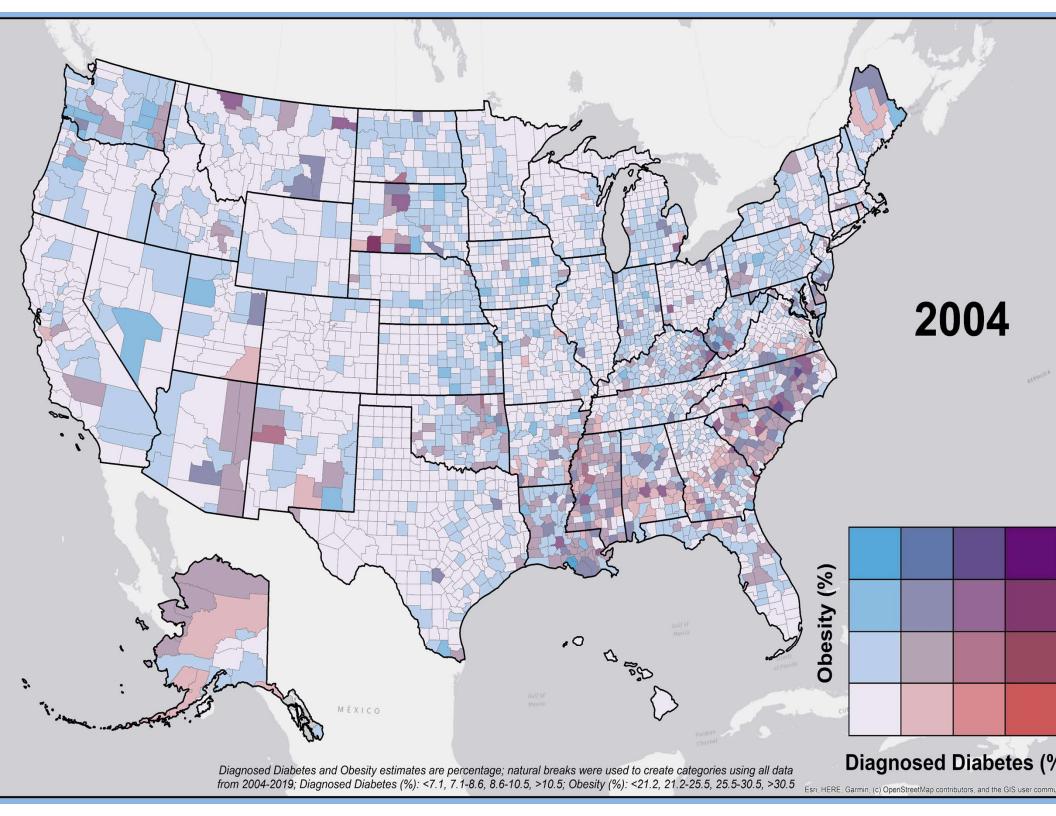


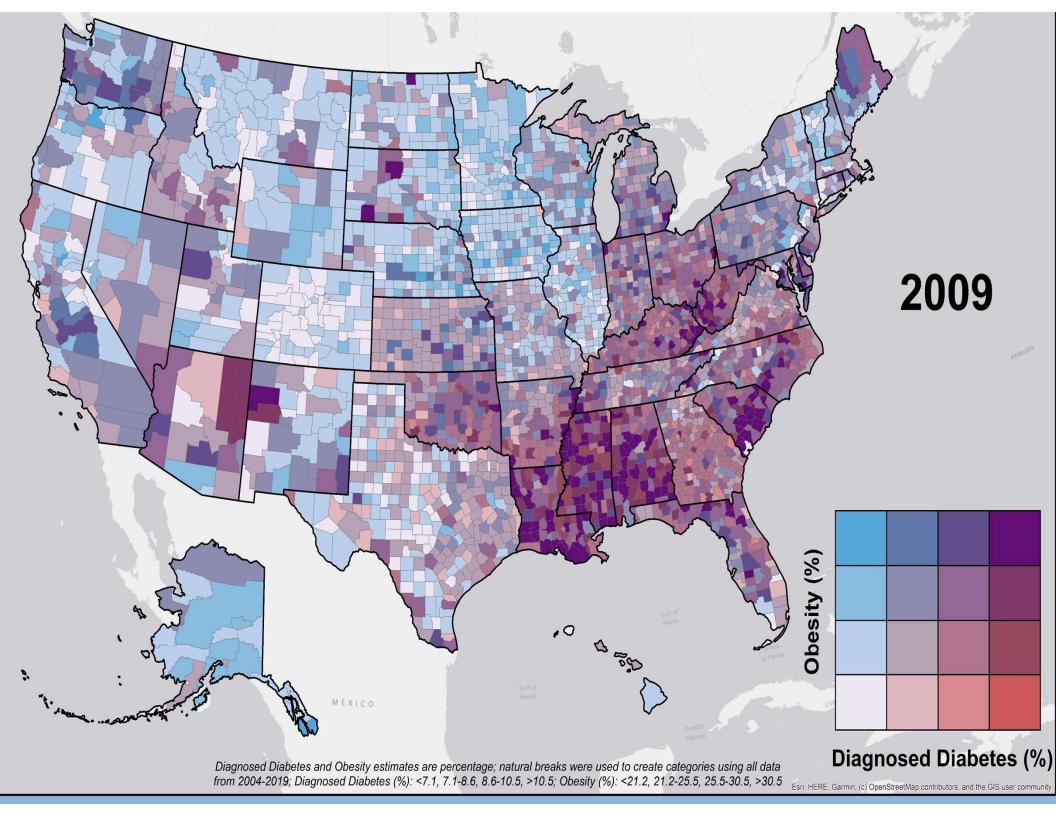


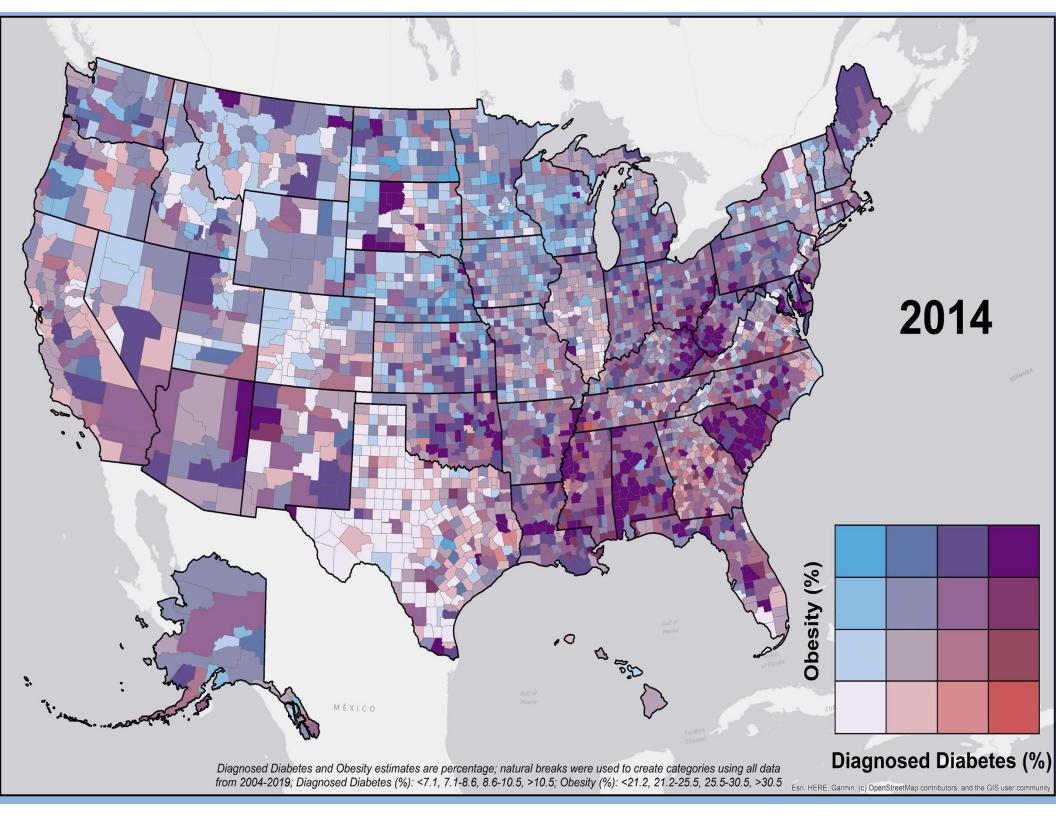
CDC's National Center for Chronic Disease Prevention and Health Promotion

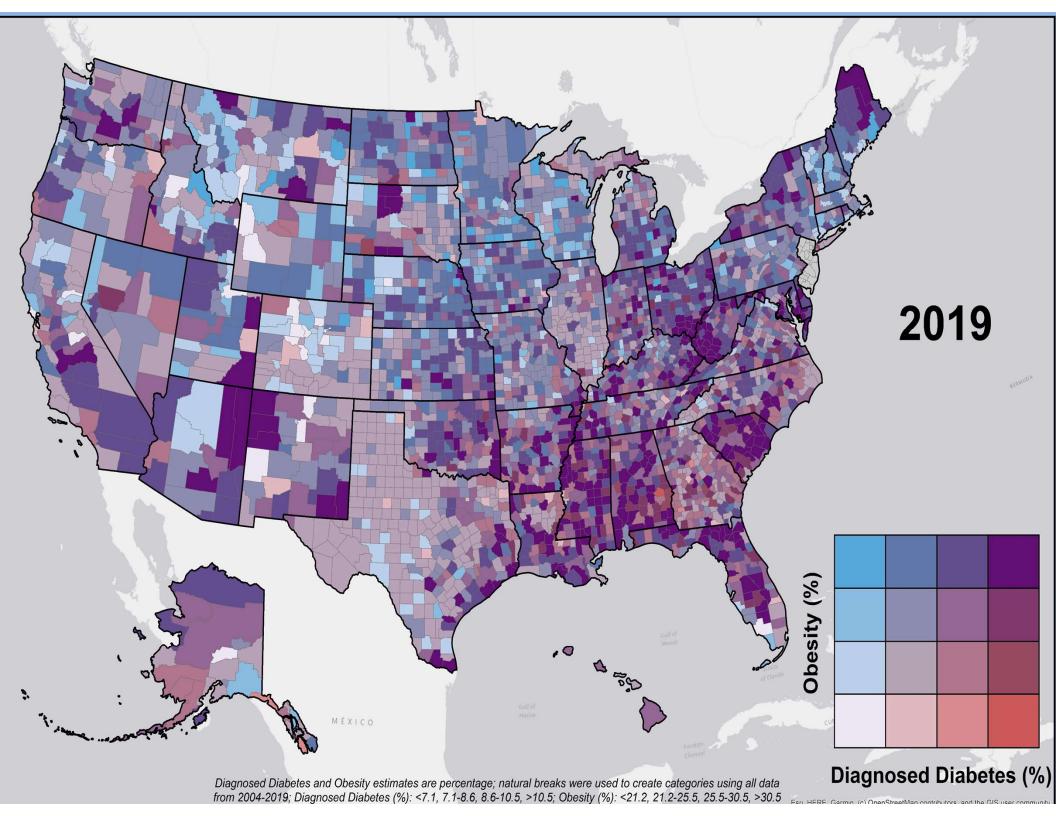


Age-Adjusted Prevalence of Diagnosed Diabetes and Obesity Among Adults, by County, United States (2004, 2009, 2014, 2019)













NATIONAL HEALTH PRIORITY TOOLKIT:

EAL **Evidence Analysis Library**

Academy of Nutrition and Dietetics

Diabetes Self-management Education and Support in Type 2 Diabetes

A Joint Position Statement of the American Diabetes Association, the American Association of Diabetes Educators, and the Academy of Nutrition and Dietetics

Resources for Diabetes Education





Career

Central

American Association of Clinical Endocrinology Clinical Practice Guideline: Developing a Diabetes Mellitus Comprehensive Care Plan—2022 Update

Lawrence Blonde, MD, FACP, MACE • Guillermo E. Umpierrez, MD, CDCES, MACP, FACE •

S. Sethu Reddy, MD, MBA, FACP, MACE Adrian Vella, MD . Priyathama Vellanki, MD .

Sandra L. Weber, MD, FACP, FACE . Show all authors

Published: August 10, 2022 * DOI: https://doi.org/10.1016/j.eprac.2022.08.002 * 🖲 Check for updates



Role We Play



Modifiable Variables Impact Treatment and Glycemic Control of T2DM

Three Modifiable Variables Accounted for 48% Variance in Diabetes Control

- ► Initial HbA1c
- ► Clinical inertia
- ► Visit frequency and patient participation

Greater attention to:

- early diagnosis and treatment
- ensuring regular healthcare visits
- overcoming therapeutic inertiaCould improve diabetes control and health equity



PA Physician Barriers[a-b]

Concerns about weight gain

Concerns about hypoglycemia

Lack of staff support

Lack of training

Lack of time to educate patients

Patient Barriers[c-e]

Concerns about weight gain

Concerns about hypoglycemia

Lack of family support

Sense of failure

Lack of confidence

Perception that insulin is complex



JENNIFER EDGOOSE, MD, MPH, MICHELLE QUIOGUE, MD, FAAFP, AND KARTIK SIDHAR. MD

How to Identify, Understand, and Unlearn Implicit Bias in Patient Care



Taking steps to recognize and correct unconscious assumptions toward groups can promote health equity.

amie is a 38-year-old woman and the attending physician on a busy inpatient teaching service. On rounds, she notices several patients tending to look at the male medical student when asking a question and seeming to disregard her.

Alexis a 55-year-old black man who has a history of diabetic polyneuropathy with significant neuropathic pain. His last A1C

polyneuropathy with significant neuropathic pain. His last A1C was 7.8. He reports worsening lower extremity pain and is frustrated that, despite his bringing this up repeatedly to different clinicians, no one has addressed it. Alex has been on gabapentin 100 mg before bed for 18 months without change, and his physicians

ABOUT THE AUTHOR

Dr. Edgoose is an associate professor in the Department of Family Medicine and Community Health at the University of Wisconsin School of Medicine and Public Health (UWSMPH) in Madison, Wis., where she directs the school's Diversity and Inclusion Advocates Program and her department's Office of Community Health. Dr. Quiogue is an assistant clinical professor in the Department of Family Medicine, Kaiser Permanente School of Medicine Kern County Medical Center in Bakersfield, Calif. She serves on the school's Equity, Inclusion, and Diversity Subcommittee and is a former president of the California Academy of Family Physicians. Dr. Sidhar is a third-year family medicine resident in the UWSMPH Department of Family Medicine and Community Health. Author disclosures: no relevant financial affliations disclosed

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KEY POINTS

Implicit bias is the unconscious collection of stereotypes and attitudes that we develop toward certain groups of people which affect our patient relationships and care decisions

Overcome implicit bias by first discovering your blind spots

Actively work to dismiss stereotypes and attitudes affecting your own interactions.

AAFP. July/August 2019

Pretending to Have Diabetes





















What the PA Must Do for a PWD?

The 2 Way Street



Diagnosing DM: The Easiest Part

Diagnosis and Physiology of DM: The Easiest Part?

Type 1 Type 2 Monogenic Diabetes **Cystic Fibrosis** Diseases Exocrine Pancreas Chemical/Drug Induced DM **GDM**

What is Meant by a Comprehensive Medical Evaluation?

Comprehensive Medical Evaluation and Assessment of Co-Morbidities. Diabetes Care. 2023;46 (Supplement 1).

History

Symptoms	Prior A1C	Eating	Current
	Values	Patterns	Treatment
Diabetes Medication	Exercise	Acute Complications	Infections Feet, GU teeth
Other	Smoking	Other	Cultural
Medication	Etoh/Drug	Conditions	Issues
Sexual	Family	Chronic	Psycho-
History	History	Complications	social

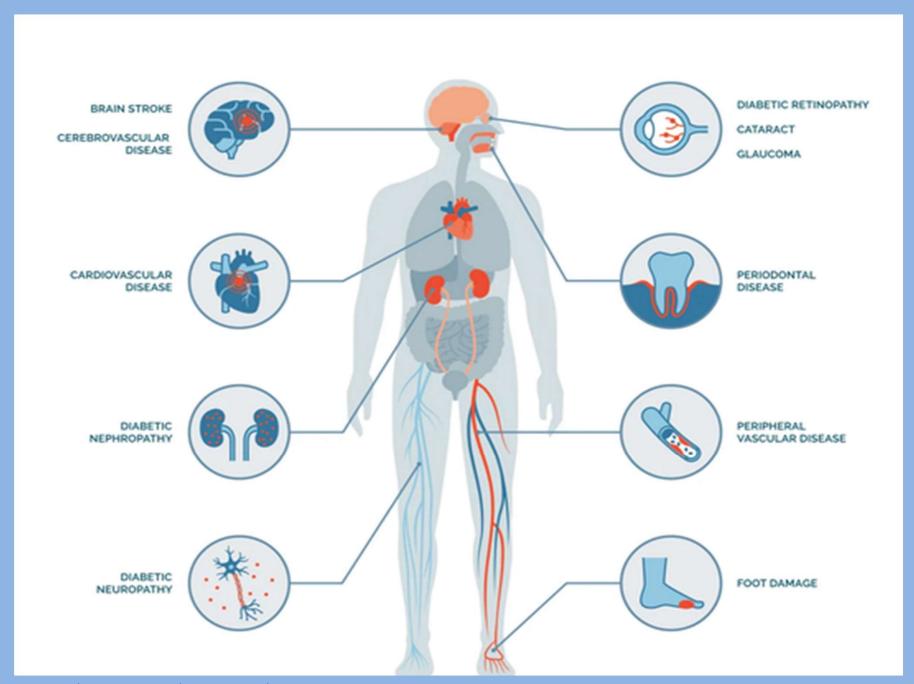
Physical Exam

	<u> </u>		
Height Weight/BMI	Maturity Tanner	BP, BP, BP,	Fundoscopy
Oral Exam	Thyroid Palpation	Cardiac EKG, EST	Hepatic Enlargement
Pulses: Pedal, ABI if diminished	Hand/finger	Foot Check	Skin: Acanthosis nigricans
Neuro: Vibration, temperature, Monofilament	Cognitive Performance	Secondary DM	Depression Screen/anxiet y, disordered eating

Laboratory Evaluation

- Hgb A1C% within past 3 months
- Fasting lipid profile, Total cholesterol, HDL, LDL, triglycerides
- Spot urinary albumin-to-creatinine ratio
- Serum creatinine (adults), calculate eGFR
- TSH in type 1 and if needed in type 2
- +/- Electrocardiogram in adults
- Urine for ketones, protein and sediment
- Serum potassium levels in people with diabetes on ACE inhibitors, ARBs, or diuretics
- Liver Function Test
- B12 if on metformin

Diabetes Complications



HbA1c Goal is Not a "One-size-fits-all"

More Stringent (as close to 6% as possible)

ADA < 7% AACE ≤ 6.5%

Less Stringent (< 8%)

- Short diabetes duration
- Long life expectancy
- No cardiovascular disease

ADA = American
Diabetes
Association
AACE =
American
Association of
Clinical
Endocrinologists

- Long diabetes duration
- Short life expectancy
- Complications, comorbidities
- History of severe hypoglycemia

References: ADA. *Diabetes Care*. 2017; 40(1):S1-S135. Garber MJ. *Endocr Pract*. 2017. 207-238.

ADA: Approach to the Management of Hyperglycemia

Patient/Disease **Features**

Risks potentially associated with hypoglycemia and other drug adverse effects Disease duration

Life expectancy

A_{1c} More Less 7.0% stringent stringent High I ow Long-standing Newly diagnosed Long **Short** Severe

Usually not modifiabl e

Relevant comorbidities

Absent

Few/mild

Established vascular complications

Few/mild **Absent** Severe

Patient attitude and expected treatment efforts

Highly motivated, adherent, excellent self-care capacities

Less motivated, nonadherent, poor self-

Potentially modifiable

Resources and support system_{Readily}

Limited

References: ADA.aDatabtes Care. 2017; 40(1):S1-S135

What is Meant by a Comprehensive Medical Evaluation?

- Its not only the History and Physical
 - person-centered and strength-based language
 - active listening
 - elicit patient preferences and beliefs
 - and assesses literacy
 - numeracy
 - potential barriers to care

Definition

Health Literacy:

"The degree to which individuals have the capacity to obtain, process, and understand basic health information and services needed to make appropriate health decisions."

https://www.ahrq.gov/professionals/quality-patient-safety/pharmhealthlit/pharmlit/pharmtrain2.html

Possible Indicators of Low Health Literacy

- Excuses: "I forgot my glasses."
- Lots of papers folded up in purse/pocket
- Lack of follow-through with tests/appts.
- Seldom ask questions
- Questions are basic in nature
- Difficulty explaining medical concerns or how to take meds

Low Literacy and Medication Use

↓ Ability to identify their own medications
 12-18 x greater odds

Understanding of how to take medications

Take med every 6 hrs 52% correct
Take med on empty stomach 46% correct

Understanding of drug mechanisms and side effects

Warfarin works by thinning blood 70% correct Bleeding/bruising most common SE 49% correct

↑ Misinterpretation of common warning labels 3-4 x more likely to misinterpret

NEW LABEL / WHAT'S DIFFERENT

Servings: larger, bolder type

New:

Change

required

in nutrients

added sugars

Nutrition Facts

8 servings per container

Serving size 2/3 cup (55g)

Amount per serving

230

Calories

% Dail	y Value*
Total Fat 8g	10%
Saturated Fat 1g	5%
Trans Fat 0g	
Cholesterol Omg	0%
Sodium 160mg	7%
Total Carbohydrate 37g	13%
Dietary Fiber 4g	14%
Total Sugars 12g	
Includes 10g Added Sugars	20%
Protein 3g	
Vitamin D 2mcg	10%
Calcium 260mg	20%
Iron 8mg	45%
Potassium 235mg	6%

^{*} The % Daily Value (DV) tells you how much a nutrient in a serving of food contributes to a daily diet. 2,000 calories a day is used for general nutrition advice.

- Serving sizes updated
- Calories: larger type

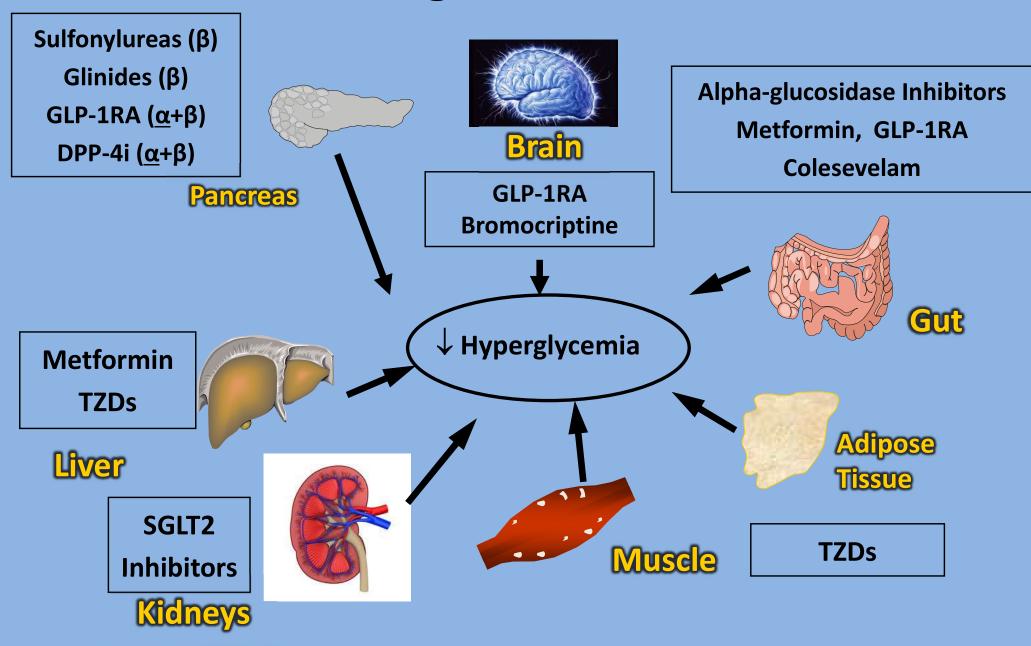
Updated daily values

Actual amounts declared

New footnote

Food Labels: Words and Numbers

8 Target Sites of Action



DPP-4 = dipeptidyl peptidase-4; TZDs - thiazolidinediones, GLP-1RA = glucagon like peptide - Receptor Agonists, SGLT2 = sodium-glucose transporter-2

Holst JJ, Ørskov C. Diabetes. 2004;53:S197-S204; Lebovitz HE. Diabetes Rev. 1999;7:139-153; Prescribing Information for Actos[®] (pioglitazone HCl), Amaryl[®] (glimepiride), Avandia[®] (rosiglitazone maleate), Glyset[®] (miglitol tablets), Glucophage[®] (metformin), Januvia[™] (sitagliptin), Prandin[®] (repaglinide), Precose[®] (acarbose tablets).

Have Diabetes















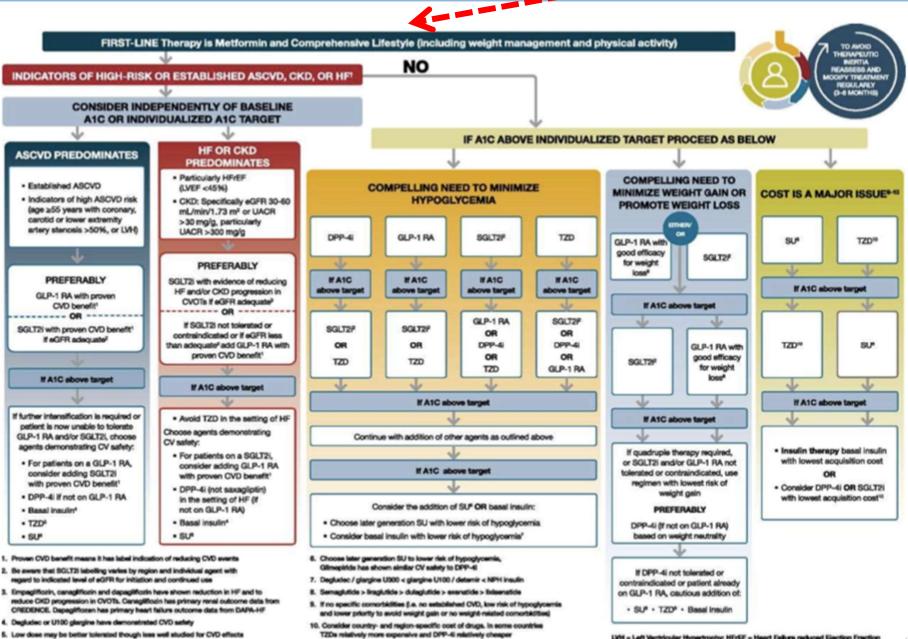








What is First-Line Therapy?



LVH = Left Ventricular Hypertrophy; HFrEF = Heart Failure reduced Ejection Fraction UACR = Urine Albumin-to-Creatinine Ratio; LVEF = Left Ventricular Ejection Fraction



Where You Going?



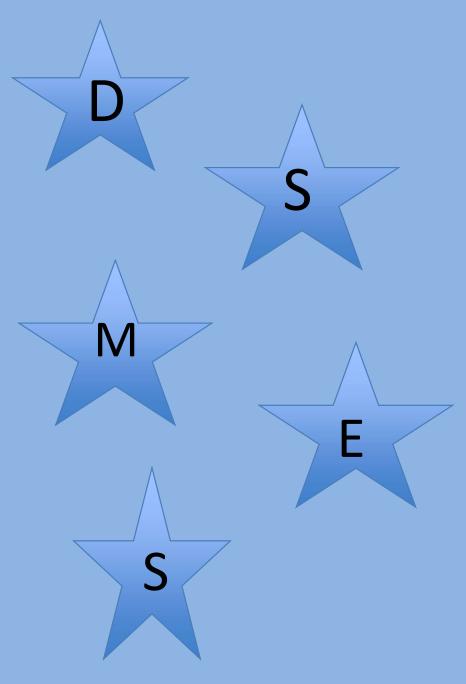
Lifestyle Management?

What is Lifestyle Management?

- Fundamental aspect of diabetes care
 - Diabetes self-management education and support (DSMES)
- Medical nutrition therapy (MNT)
- Physical activity
- Smoking cessation counseling
- Psychosocial care: Diabetes Distress?

Help Is On The Way





Definitions

Diabetes Self-management Education (DSME)*

The process of facilitating the knowledge, skill, and ability necessary for diabetes self-care

Diabetes Self-management Support (DSMS)*

Support required for implementing and sustaining coping skills and behaviors needed to self-manage on an ongoing basis

Medical Nutrition Therapy (MNT)

Application of nutrition care process; includes individualized nutrition assessment, nutrition diagnosis, intervention and monitoring and evaluation; if not included in DSME program, refer to RDN

* CMS/Medicare uses DSMT – Diabetes Self-Management Training

References: Haas L and Maryniuk MD et al. Diabetes Care 2016;39(Supp1):52-59

Diabetes Self Management Education and Support

Why? What Who? Where? How? When?

Tools
you
can use

Under-utilized





Of **MEDICARE** beneficiaries with newly diagnosed diabetes used DSMT services¹



Of individuals with newly diagnosed T2D with **PRIVATE HEALTH** insurance received DSMES within 12 months of diagnosis²

^{1.} Li R, et al. Morbidity Mortality Weekly Report, 2014

^{2.} Strawbridge LM, et al. Health Educator, 2015

AAPA Supports DSMES

Diabetes Self-management Education and Support in Adults With Type 2 Diabetes: A Consensus Report of the American Diabetes Association, the Association of Diabetes Care and Education Specialists, the Academy of Nutrition and Dietetics, the American Academy of Family Physicians, the American Academy of PAs, the American Association of Nurse Practitioners, and the American Pharmacists Association



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What Are The Barriers to DSME?



Patient Factors



- Other medical concerns
- Time
- Finances/cost
- Literacy/numeracy
- Culture/language
- Educational background
- Competing priorities



Provider & System Factors

- Providers not convinced of benefit
- Make assumptions not needed
- Time
- Location / access
- Insurance /billing

Why? Evidence for the Benefits of DSME

	m	p	ro	V	e	S
--	---	---	----	---	---	---

Knowledge and behavior

- - -

Clinical outcomes (HbA1c, weight)

Quality of life & healthy coping

Cost

Improvements enhanced when...

DSME is longer duration

Follow-up support is given ("Diabetes Self-Management Support" / DSMS)

Is individualized (age, culturally appropriate, etc.)

Change in HbA1c by Mode of DSME/S Delivery

Does DSME/S improve HbA1c in T2D adults as compared with those who received usual care (and no DSME)?

Patient Education and Counseling 99 (2016) 926-943



Contents lists available at ScienceDirect

Patient Education and Counseling





Review article

Diabetes self-management education for adults with type 2 diabetes mellitus: A systematic review of the effect on glycemic control



Carole A. Chrvala^a, Dawn Sherr^{b,*}, Ruth D. Lipman^b

a Health Matters, Inc., Chapel Hill, NC, USA

ARTICLE INFO

Article history: Received 8 May 2015 Received in revised form 16 October 2015 Accepted 5 November 2015

Keywords: Type 2 diabetes Diabetes self-management education

ABSTRAC

Objective: Assess effect of diabetes self-management education and support methods, providers, duration, and contact time on glycemic control in adults with type 2 diabetes.

Method: We searched MEDLINE, CINAHL, EMBASE, ERIC, and PsycINFO to December 2013 for interventions which included elements to improve participants' knowledge, skills, and ability to perform self-management activities as well as informed decision-making around goal setting.

Results: This review included 118 unique interventions, with 61.9% reporting significant changes in A1C. Overall mean reduction in A1C was 0.74 and 0.17 for intervention and control groups; an average absolute reduction in A1C of 0.57. A combination of group and individual engagement results in the largest

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References: Chrvala et al. Pt Ed & Counselling

2016;99:926-943

^b American Association of Diabetes Educators, 200 W. Madison Street, Chicago, IL 60606, USA

^b American Association of Diabetes Educators, 200 W. Madison Street, Chicago, IL 60606, USA

A1c Improvements with DSMES

Mode	Interventions (#)	Intervention (SD)	Control (SD)	Absolute difference in A1C with DSME added
All Models Together	118	-0.74(0.63)	-0.17(0.5)	0.57
Combo (group & indiv.	22	-1.0(0.6)	-0.22(0.62)	0.88
Group	33	-0.62(0.46)	-0.10(0.42)	0.52
Individual	47	-0.78(0.63)	-0.28(0.46)	0.50
Remote References: C	12 hrvala et al. Pt Ed & Cou	-0.50(0.67) nselling 2016;99:926-9	-0.17(0.46)	0.33

If DSMES were a pill, would prescribe it?





If DSME was a pill, would you Rx it? 1, 2

Benefits of DSMES

Efficacy.....High
Hypo Risk......Low
Weight.....Neutral / Loss
Side Effects.....None
Costs.....Low/Savings
Psychosocial benefits..High

Benefits of Metformin

Efficacy......High
Hypo Risk.....Neutral / Loss
Side Effects.....GI
Costs....Low
Psychosocial benefits....NA

An individualized MNT program is recommended for all people with diabetes as an effective component of the overall treatment plan All PWD should participate in DSMES both at diagnosis and as needed

ADA: Standards Guide Diabetes Education - 2023

Facilitating Positive Health Behaviors and Well-being to Improve Health Outcomes: Standards of Care in Diabetes—2023

Nuha A. ElSayed, Grazia Aleppo,
Vanita R. Aroda, Raveendhara R. Bannuru, Florence M. Brown,
Dennis Bruemmer, Billy S. Collins, Marisa E. Hilliard,
Diana Isaacs, Eric L. Johnson, Scott Kahan, Kamlesh Khunti, Jose Leon,
Sarah K. Lyons, Mary Lou Perry, Priya Prahalad,
Richard E. Pratley, Jane Jeffrie Seley, Robert C. Stanton, Deborah
Young-Hyman, and Robert A. Gabbay, on behalf of the American
Diabetes Association

The "Standards":

- Define quality for education programs
 - -who can teach
 - -what is taught
 - -what is evaluated
- Model for reimbursement
- New emphasis on prevention /prediabetes
- More focus on ongoing support

Standards Guide Diabetes Education - 2023

Building positive health behaviors and maintaining psychological well-being are foundational for achieving diabetes treatment goals and maximizing quality of life.

Essential to achieving these goals are diabetes self-management education and support (DSMES), medical nutrition therapy (MNT), routine physical activity, tobacco cessation counseling when needed, health behavior counseling, and psychosocial care.

Who? Delivery of DSMES



- Medical care providers: MD/DO, NPs, PAs
- Diabetes educators (RN, RDN, Pharmacist),
 Advanced certificates (CDCES, BC-ADM)
- Peer counselors; community health workers
- Care managers
- "Diabetes champions" in medical care practices

Where? How do you find DSME/S?

Individual care providers

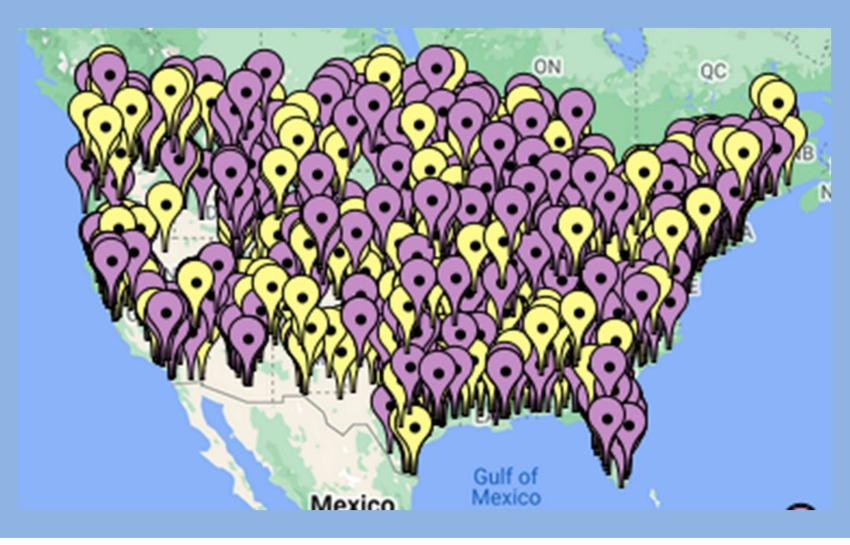
- RDN: www.eatright.org
- Diabetes educator: www.diabeteseducator.org
- CDCES: www.ncbde.org

Recognized or accredited education programs

- ADA Recognized program:
 https://diabetes.org/tools-support/diabetes-education-program
- AADE Accredited program: www.diabeteseducator.org/deap

Check This Out

 https://www.diabeteseducator.org/livingwith-diabetes/find-an-education-program



How? A Patient-Centered Approach

How is diabetes affecting your daily life and that of your family?

What questions do you have?

What is the hardest part right now about your diabetes, causing you the most concern or most worrisome to you about you diabetes?

How can we best help you?

What is one thing you are doing or can do to better manage your diabetes?

When? 4 Critical Times to Provide DSME/S

Diabetes Self-Management Education and Support for Adults with Type 2 Diabetes:

ALGORITHM of CARE

ADA Standards of Medical Care in Diabetes recommends all patients be assessed and referred for:

Registered dietitian for medical nutrition therapy EDUCATION Diabetes self-management education and support EMOTIONAL HEALTH Mental health professional if needed

FOUR CRITICAL TIMES TO ASSESS, PROVIDE, AND ADJUST DIABETES SELF-MANAGEMENT EDUCATION AND SUPPORT



ANNUAL

ASSESSMENT

OF EDUCATION,

NUTRITION, AND

EMOTIONAL NEEDS

3 WHEN NEW COMPLICATING FACTORS INFLUENCE SELF-MANAGEMENT



References: Powers MA. Clin Diabetes. 2016 Apr;34(2):70-80

- ☐ Newly diagnosed. All newly diagnosed individuals with type 2 diabetes should receive DSME/S
- Ensure that both nutrition and emotional health are appropriately addressed in education or make separate referrals
- □ Needs review of knowledge, skills, and behaviors
- Long-standing diabetes with limited prior education
- Change in medication, activity, or nutritional intake
- □ HbA_{1c} out of target
- ☐ Maintain positive health outcomes
- Unexplained hypoglycemia or hyperglycemia
- □ Planning pregnancy or pregnant
- □ For support to attain or sustain behavior change(s)
- □ Weight or other nutrition concerns
- New life situations and competing demands

References: Powers MA. Clin Diabetes. 2016 Apr;34(2):70-80





CHANGE IN:

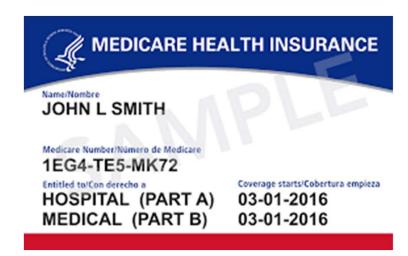
- ☐ Health conditions such as renal disease and stroke, need for steroid or complicated medication regimen
- □ Physical limitations such as visual impairment, dexterity issues, movement restrictions
- Emotional factors such as anxiety and clinical depression
- Basic living needs such as access to food, financial limitations

CHANGE IN:

- □ Living situation such as inpatient or outpatient rehabilitation or now living alone
- ☐ Medical care team
- Insurance coverage that results in treatment change
- Age-related changes affecting cognition, self-care, etc.

DSMT Benefit verification

- 10 hours of initial training (once under Medicare)
 - 1 hour of DSMES can be individual session for assessment and/or insulin injection training.
 - 9 hours must be in group setting unless
 - Barriers to group learning are identified in referral
 - No group classes available for 2 months or more
- 2 hours of follow-up available annually starting year 2 with referral and can be individual or group session



Medicare Referral Requirements

Signed by provider overseeing diabetes care:

MD/DO, PA, NP, APRN

of hours

Topics ordered

Group or 1:1 training

If 1:1- special needs

DSMES service must maintain a record of the original referral order

If changed, the signature of referring provider required

ORDER FORM

Diabetes Self-Management Education & Support/Training & Medical Nutrition Therapy Services

MEDICARE COVERAGE: Diabetes self-management education and support/training (DSMES/T) and medical nutrition therapy (MNT) are separate and complementary services to improve diabetes self-care. Individuals may be eligible for both services in the same year. Research indicates MNT combined with DSMES/T improves outcomes.

DSMES/T: 10 hours initial DSMES/T in 12-month period from the date of first session, plus 2 hours follow-up per calendar year with written referral from the treating qualified provider each year.

MNT: 3 hrs initial MNT in the first calendar year, plus 2 hours follow-up MNT annually. Additional MNT hours available for change in medical condition, treatment and/or diagnosis with a written referral from the treating physician.

Medicare coverage of DSMES/T and MNT requires the treating qualified provider to maintain documentation of a diagnosis of diabetes based on the following:

2 hour post-glucose challeng	r than or equal to 126 mg/dl on two ge greater than or equal to 200 mg/d 0 mg/dl for a person with symptoms	d on 2 different occasion			
*Other payors may have other cove	rage requirements. (Source: Volume	68, #216, November 7, 20	03, page 6326	1/Federal Register)	
PATIENT INFORMATION					
Last Name	First Name		Middle		
Date of Birth//	Gender: ☐ Male	Female 🗆			
Address	City		State	Zip Code	
Home Phone	Cell Phone	Cell Phone		Email address	
Type 1 Type 2 Diabetes Self-Management Edu Check type of training services and num Initial OSMES/T 10 or hours Follow-up DSMES/T 2 hours If more than one hour individual initial trai requested, please check special needs the Vision Physical Hearing No group session Language within 2 month Cognitive Other (specify)	ning at apply: ions available s	Diagnosis code	SMES Team on as all that apply) Goal setting Prevent, de complicatio	g, problem solving tect and treat acute ins tect and treat chronic ins tion, pregnancy, gestati	
Medical Nutrition Therapy (MNT)		Посисс на	ang .	
Check the type of MNT requested	p.				
☐ Initial MNT 3 hours ☐ Annual follow-up MNT 2 hours Signature of qualified provider certifies	Additional MNT hours for chemological condition that the or she is managing the benefic	eatment diagnosis.			
Signature and NPI # Group/practice name, address and phi	one:	D	ate/_		
TO THE STATE OF THE PROPERTY OF STATE OF THE STATE OF TH	Notetion & Dietetics, American Diebetes Association and P	e Association of Diabetes Care & Educa	den Specialists	62	

Diabeteseducator.org/referdsmes

DSMT Referral order specifics

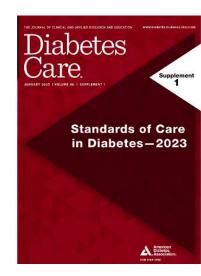
Obtain properly executed initial DSMT referral from physician (MD/DO) or qualified non-physician provider (NP, PA, APRN)

- Must be Medicare provider or in opt out status
- Must be treating beneficiary's diabetes

Medicare Definition of Diabetes Diagnosis

- Fasting blood sugar greater than or equal to 126 mg/dL on two different occasions
- Two-hour post glucose challenge greater than or equal to 200 mg/dL on two different occasions
- Random glucose test over 200 mg/dL on one occasion for a person with symptoms of uncontrolled diabetes
 - **Symptom examples:** Excessive thirst, excessive urination, excessive hunger, excessive fatigue, blurred vision, unintentional weight loss, non-healing cuts/wounds
- What don't you see on this list? A1c





Key Points

- Create a 2 way street
- Figure out your own biases/blockades
- You cannot do it all
- Find and utilize available resources; they are likely out there
- Promote empowerment
- Refresh your screen!

Post-Test Question #1



Your primary care practice cares for a large number of persons with diabetes (PWD). You have recently heard about Diabetes Self-Management Education and Support (DSMES) services and wonder which times are considered critical times to refer your patient for this type of service. Which of the following are these times?

- 1. At diagnosis
- 2. Annually
- 3. When complications arise
- 4. When transitions of care take place
- 5. All of the above situations

Post-Test Question #2



You have just referred your patient with type 2 diabetes for Diabetes Self-Management Education and Support (DSMES). Which of the following outcomes would you expect based on their completion of this program?

- 1. Increased hospital admission
- 2. Increased patient confusion about their diabetes
- 3. Improved quality of life & coping
- 4. No appreciable change in HbA1c

"Education is the most powerful weapon which you can use to change the world."

Nelson Mandela

"Each patient carries his own doctor inside him. They come to us knowing that truth. We are at our best when we give the doctor who resides in each patient, a chance to work."

- Albert Schweitzer, MD



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