

OMG...I DIDN'T KNOW THAT!

Diabetes: Identifying and Educating High-Risk Individuals



Continuing Medical Education/Continuing Education Credits

Physicians - This activity has been planned and implemented in accordance with the Essential Areas and Policies of the Accreditation Council for Continuing Medical Education through Synaptiv. Synaptiv is accredited by the ACCME to provide continuing medical education for physicians.

Synaptiv designates this educational activity for a maximum of 1 AMA PRA Category 1 Credit(s)™ toward the AMA Physician's Recognition Award. Physicians should only claim credit commensurate with the extent of their participation in the activity.

Nurses - Educational Review Systems is an approved provider of continuing nursing education by the Alabama State Nursing Association, an accredited approver by the American Nurses Credentialing Center's Commission on Accreditation. Provider # 5-115. This program is approved for 1 hour of continuing nursing education. Educational Review Systems is also approved for nursing continuing education by the state of California, the state of Florida and the District of Columbia.

Laboratory Professionals – Educational Review Systems is an approved provider by P.A.C.E. This program is approved for 1 hour of CE credit. This program is also approved for 1.5 Florida CE credits. Florida Board of Clinical Laboratory Personnel approval number: 50-12563.

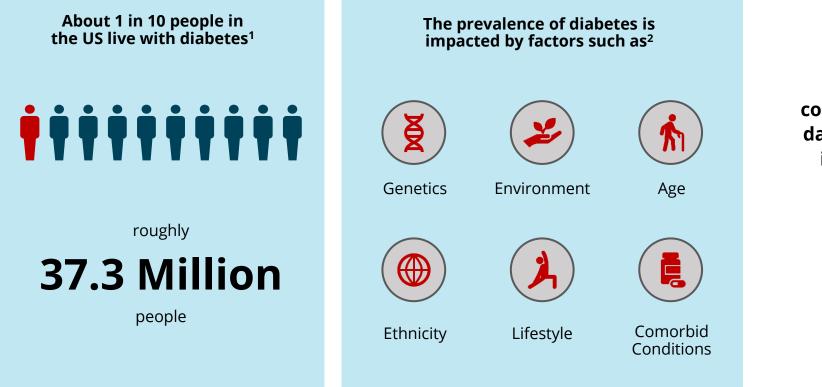


Heather Whitley, PharmD, BCPS, CDE

Clinical Professor, Pharmacy Practice Harrison School of Pharmacy Auburn University Auburn, AL

Disclosures Advisory board: Abbott

Diabetes Is A Societal Problem



Social and environmental conditions that shape people's daily experiences have a huge impact on whether people will develop diabetes and how it will be managed.²

Screening for diabetes in at-risk populations and in the community can help.^{3,4}

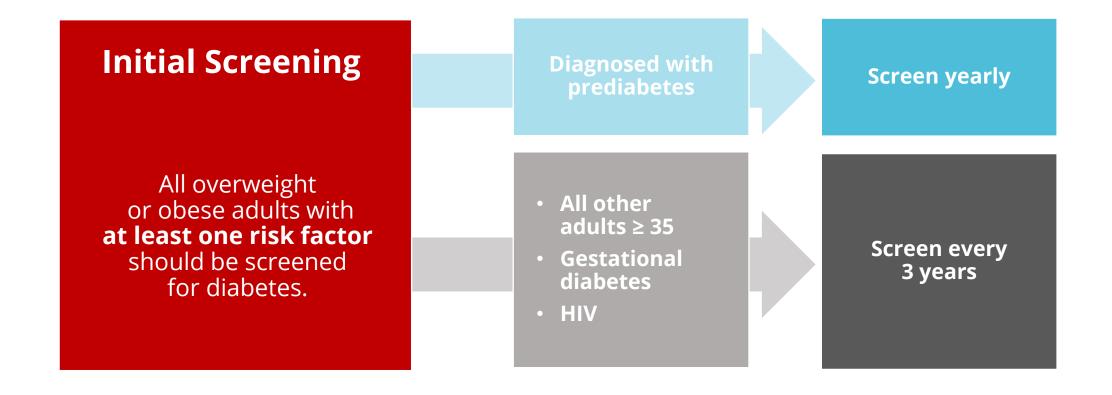
1. Centers for Disease Control and Prevention. National Diabetes Statistics Report. www.cdc.gov/diabetes/data/statistics-report/index.html. Accessed August 15, 2022.

2. Hill-Briggs F, et al. *Diabetes Care.* 2021; 44:258-79.

3. Smith M, Rosenmoss S, Seligman K. Prog Comm Health Partner. 2020;14(3).

4. Kerkhoff AD, et al. JAMA Network Open. 2022;5(5):e2214163. doi:10.1001/jamanetworkopen.2022.14163

ADA Recommends Screening Asymptomatic Individuals for Diabetes



ADA Risk Factors for Diabetes

Overweight or obese adults who have \geq 1 of the following risk factors should be screened:

First degree relative with diabetes

High-risk race/ethnicity (e.g., African American, Latino, Native American, Asian American, Pacific Islander)

History of CVD

Hypertension (\geq 140/90 mmHg or on therapy for hypertension

HDL cholesterol level < 35 mg/dL (0.90 mmol/L) and/or a triglyceride level > 250 mg/dL (2.82 mmol/L)

Women with polycystic ovary syndrome

Physical inactivity

Other clinical conditions associated with insulin resistance (e.g., severe obesity, acanthosis nigricans)

USPSTF Recommends Asymptomatic Screening Without Risk Factors

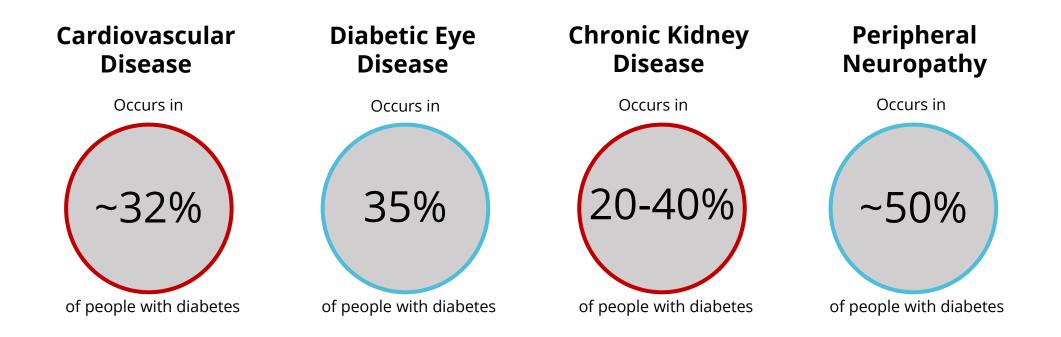
	Recommendation	
What does the USPSTF recommend?	Adults aged 35 to 70 years who are overweight or obese: Screen for prediabetes and type 2 diabetes and offer or refer patients with prediabetes to effective preventive interventions.	
To whom does this recommendation apply?	Non-pregnant adults aged 35 to 70 years who are overweight or obese and no symptoms of diabetes.	
How to implement this recommendation?	 Assess risk: Obtain height and weight measurements to determine whether patient is overweight or obese. Overweight and obesity are defined as a BMI ≥ 25 and ≥ 30, respectively. 	
	 2. Screen: If the patient is aged 35 to 70 years and is overweight or obese (BMI ≥ 25), consider screening at an earlier age if the patient is from a population with a disproportionately high prevalence of diabetes (American Indian/Alaska Native, Black, Hispanic/Latino, Native Hawaiian/Pacific Islander). Patients who are Asian American should be screened at a lower BMI (≥ 23). Screening tests for prediabetes and type 2 diabetes include measurement of fasting plasma glucose 	
	or A1c level or an oral glucose tolerance test.	
How often?	The optimal screening interval for adults with an initial normal glucose test result is uncertain. Screening every 3 years may be a reasonable approach for adults with normal blood glucose levels.	

ADA Standard of Care Definitions

Prediabetes	Diabetes	
Fasting plasma glucose 100 mg/dL (5.6 mmol/L) to 125 mg/dL (6.9 mmol/L) (IFG)	Fasting plasma glucose ≥ 126 mg/dL (7.0 mmol/L)	
OR	OR	
2-h plasma glucose during 75-g OGTT 140 mg/dL (7.8 mmol/L) to 199 mg/dL (11.0 mmol/L) (IGT)	2-h plasma glucose ≥ 200 mg/dL (11.1 mmol/L) during OGTT	
OR	OR	
A1c : 5.7 – 6.4% (39 – 47 mmol/mol)	A1c : ≥ 6.5% (48 mmol/mol NGSP certified assay)	
	OR	
	In a patient with classic symptoms of hyperglycemia or hyperglycemic crisis, a random plasma glucose ≥ 200 mg/dL (11.1 mmol/L)	

IFG, impaired fasting glucose; IGT, impaired glucose tolerance; OGTT, oral glucose tolerance test American Diabetes Association. *Diabetes Care*. 2022;45(Supplement_1):S17–S38.

Undiagnosed and Uncontrolled Diabetes Poses a Threat to Patients



Diabetes increases the risks of microvascular and macrovascular complications.¹

A 1% reduction in A1C leads to a 30% reduction in microvascular complications.²

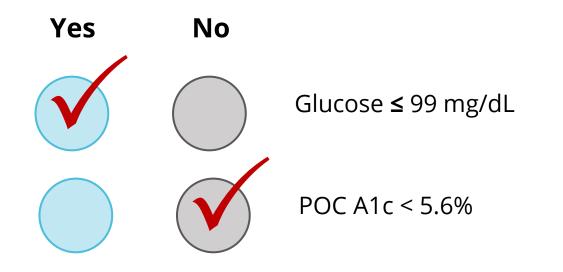
Screening With POC A1c Identifies More Cases of Prediabetes and Diabetes

	Screening Practice*		
Screening Outcome	Active Screening with POC A1c, N (%)	Standard Practice, N (%)	
Diabetes	16 (10)	6 (8)	
Prediabetes	88 (53)	24 (33)	
Euglycemic	60 (37)	43 (59)	

* *P* = 0.005

Systematically offered POC A1c tests increase the likelihood of getting screened (100% vs. only 23% of eligible people in standard practice arm)

A1c POC Tests Identify More Chronic Hyperglycemic Patients Than Blood Glucose Tests



POC A1c tests **increase** the chance for diabetes screening to occur when compared to standard practice.

More screening may lead to more identification and less patients living with undiagnosed uncontrolled diabetes.

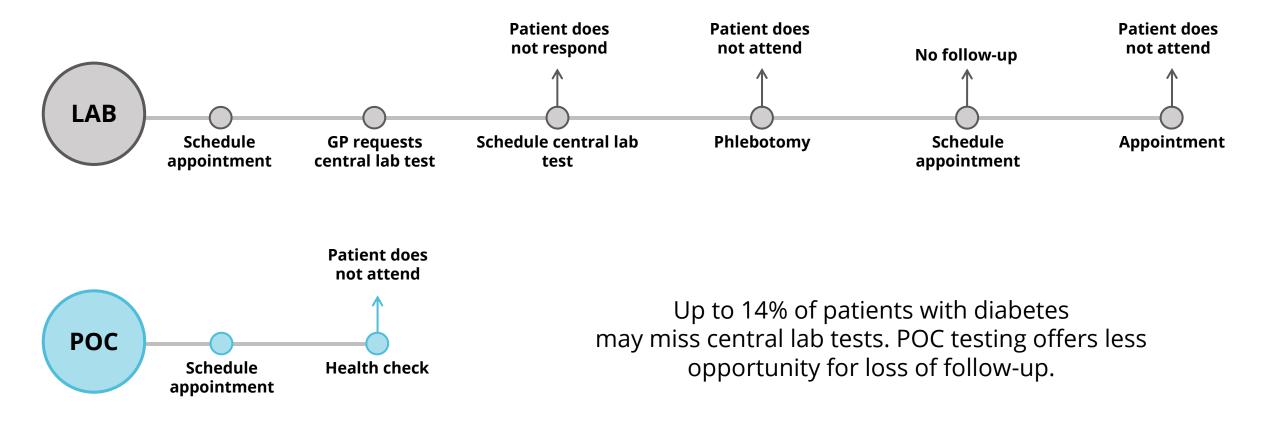
POC A1c Testing Reduces Patient Visits and Healthcare Costs

61% reduction

in patient revisits have been reported with A1c POC testing

POC A1c testing may contribute to a substantial reduction in annual diabetes care costs for patients.

POC Tests Lead to More Patients Receiving Tests and Results





OMG is a casual friendly podcast with an authentic, audible blend of timely scientific and medical knowledge.

FIND US AT ONMEDICALGROUNDS.COM OR YOUR FAVORITE PODCAST CHANNEL