Does Knowledge of Risk Facilitate a Conversation about Prediabetes with your Doctor?



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INTRODUCTION, PURPOSE

- 97.6 million (38%) U.S. adults have prediabetes, a condition of high risk for developing Type 2 diabetes (T2D) due to abnormally elevated blood glucose (Hemoglobin A1C values between 5.7-6.4%)
- Only about 19% report awareness of their prediabetes diagnosis
- Landmark studies report individuals assigned to lifestyle intervention experienced 40% -58% relative reduction in the risk of developing T2D
- A study of patients notified of their prediabetes diagnosis and followed for 18 months without intervention improved glycemic control and adipose compared to a control group

-Owei I, Umekwe N, Ceesay F, Dagogo-Jack S. Awareness of Prediabetes Status and Subsequent Health Behavior, Body Weight, and Blood Glucose Levels. JABFM. 2019;32(1):20-27

 In prior focus group study in our UK-DFCM clinic, at-risk patients expressed that T2D risk communication was desired, but lacking in their clinician interactions

> - Roper KL, Thomas AR, ... Keck J. Patient and Clinician Perceptions of Prediabetes: A Mixed-Methods Primary Care Study. *Diabetes Educ.* 2019;45(3):302-314.)

A patient-initiated approach to diabetes risk assessment may facilitate use in primary care settings, but incorporation into the electronic record or other means of conveyance is needed

RECRUITMENT was at the UK-DFCM clinic location between Nov 2021 - Mar 2022. 45 patients were approached in their clinic room until 25 agreed to participate.



% (n)			
	"yes"		% yes (n)
abetes in 3 Years	44/43		17.4 (4)
16.0 (4)		with Filysician	
32.0 (8)		Do You Think PCP Was or Would Be Interested	69.6 (16)
20% 20.0 (5)		in Your Diabetes Risk Score	
16.0 (4)		Do You Think the Diabetes Risk Score Would	56.5 (13)
16.0 (4)		Generate a Useful Conversation	
ance of		Did the Diabetes Risk Assessment Increase	60.9 (14)
		Motivation to be More Active against Diabetes	
25% 8.0 (2)		Do You Know the Steps to Prevent Diabetes	87.0 (20)
16.0 (4)			\
4.0 (1)			
36.0 (9)			
70% 12.0 (3)			
24.0 (6)	"Do	you think you are at all of risk	
	abetes in 3 Years 16.0 (4) 32.0 (8) 20.0 (5) 30% 16.0 (4) 16.0 (4) 16.0 (4) 4.0 (1) 36.0 (9) 12.0 (3)	100.0 (25) abetes in 3 Years 16.0 (4) 32.0 (8) 20% 20.0 (5) 30% 16.0 (4) 16.0 (4) ance of 25% 8.0 (2) 35% 16.0 (4) 4.0 (1) 36.0 (9) 12.0 (3)	abetes in 3 Years 16.0 (4) 24/25 Results of Diabetes Risk Score Shared with Physician Do You Think PCP Was or Would Be Interested in Your Diabetes Risk Score Do You Think the Diabetes Risk Score Would Generate a Useful Conversation Did the Diabetes Risk Assessment Increase Motivation to be More Active against Diabetes Motivation to be More Active against Diabetes Do You Know the Steps to Prevent Diabetes Do You Know the Steps to Prevent Diabetes

Age 8.0 (2)

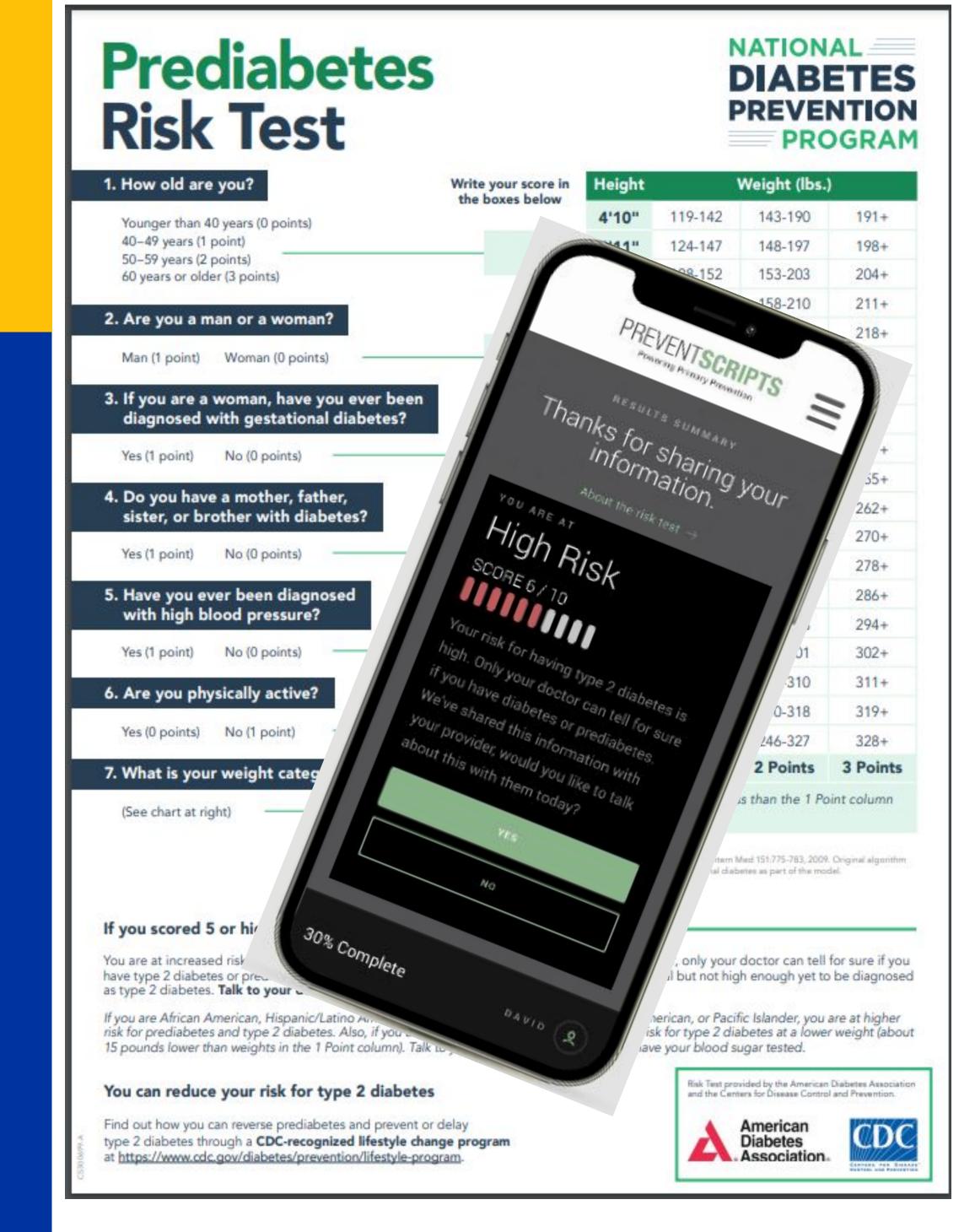
Diabetes 40.0 (10)

Weight 56.0 (14)

Being Female/Male 0.0 (0)

Being Physically Active 12.0 (3)

of developing diabetes?"				
	no	yes		
ADA no	2	4	6	
Risk ≥ 5 yes	10	9	19	
Total	12	13	25	



Only 4 of 25 patients shared their risk score with their primary care physician (PCP) during their appointment visit

"I don't want to be judged on what I said. He can talk to me himself and figure out what I need."

"Doesn't feel pertinent for my appointment today."

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We sought to understand perceptions of risk, T2D seriousness, and validity of T2D risk score assessment. Sharing of self-assessed risk results in the clinical encounter was the primary outcome.

Previous Diagnosis of High Blood Pressure 8.0 (2)

Having a Mother/Father/Brother/Sister with

Which one item most influences a person's risk

score?