# #WeightInDiabetes Break the partnership between diabetes and obesity\*

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> YOUR GO-TO GUIDE FOR UNDERSTANDING THE LINK BETWEEN **DIABETES AND OBESITY**



**TALK TO YOUR DOCTOR** 

**ABOUT NEW POSSIBILITIES** IN DIABETES MANAGEMENT

Scan the OR code



Looking for answers about diabetes management? Find helpful info, tools, and resources on aboutdiabetes.in

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\*Carbone S. Prog Cardiovasc Dis. 2019 Jul-Aug;62(4):327-333.



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## TABLE OF CONTENTS

# TOPICS

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1. Diabetes and Obesity : The Connection
2. Know your BMI
3. Complications of #WeightinDiabetes
4. Break the Partnership: Talk to your Doctor



## Diabetes and Obesity: The Connection



## DEFINING DIABETES AND OBESITY



In type 2 diabetes<sup>1</sup>, your body may not make enough insulin, or it does not respond to it as normal. It also does not use insulin as well as it should.

People with type 2 diabetes may experience an impaired response to incretins, the hormones that help regulate blood sugar. GLP-1 hormone is one of those hormones.<sup>2</sup>



Obesity is a chronic progressive disease that requires long-term management.<sup>3</sup>

T2DM: Type 2 diabetes mellitus, GLP-1: Glucagon-like peptide 1, BMI: Body Mass Index Reference: 1. Al-Goblan AS et al. Diabetes Metab SyndrObes. 2014;7:587-91. 2, Kim W, Egan JM. Pharmacol Rev. 2008;60:470-512

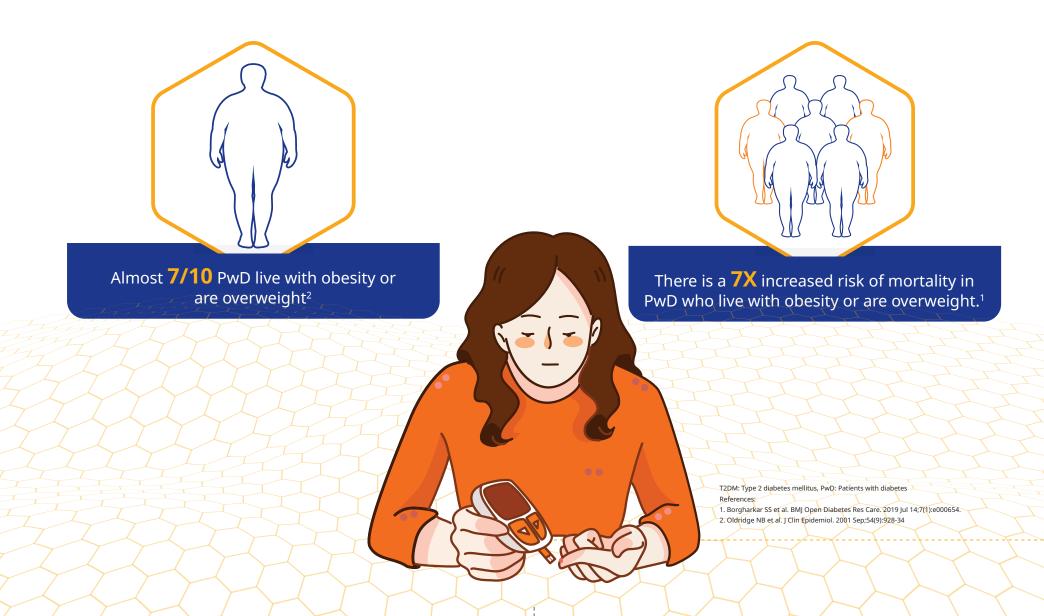
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3. Aziz N, Kallur et al. J Clin Diagn Res. 2014 May;8(5):OC01-3 less than 2 days ago (v0.1)

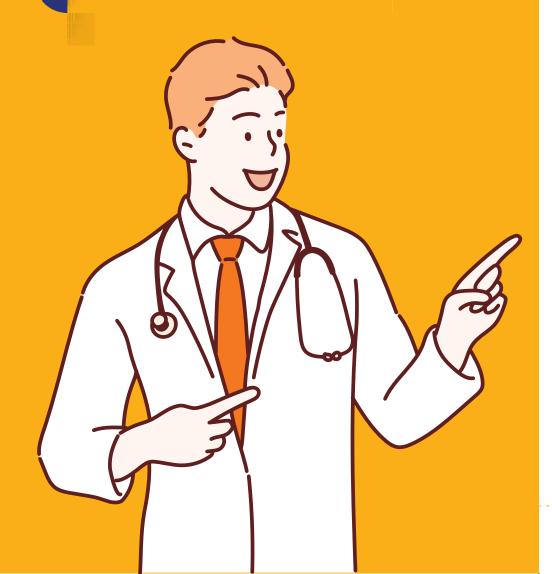
#### THE CONNECTION: TYPE 2 DIABETES AND OBESITY

3

The common factor in both T2DM and obesity are linked to insulin resistance<sup>1</sup>



## **Know your BMI**



## CALCULATING THE BODY MASS INDEX



The following formula can be used to calculate one's BMI, where kg is the person's weight in kilograms and m<sup>2</sup> is their height in meters squared.

#### BMI (Kg/m<sup>2</sup>) = Weight (kg)/ [Height (m)<sup>2</sup>]

Classification	BMI
Underweight	≤ 18. 5
Normal weight	18.6 - 22.9
Overweight	23.0 - 24.9
Obesity class 1	25.0 - 29.9
Obesity class 2	30.0 - 34.9
Obesity class 3	35

Scan to check your BN



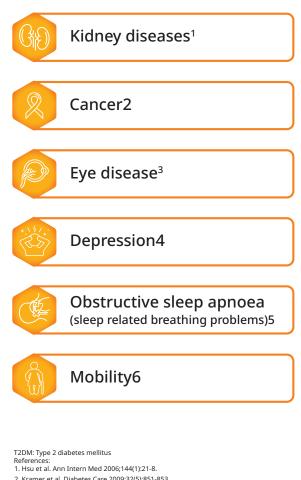
References: 1. Weir CB. In: StatPearls [Internet] 2022 Jun 27 [cited 2022 Nov 7]. Available from: https://www.ncbi.nlm.nih.gov/books/NBK541070/ 2. S V M, et al. Indian | Endocrinol Metab. 2022 Jul-Aug;26(4):295-318.

## Complications of #WeightinDiabetes



7

### OBESITY IN PWD INCREASES RISK OF SEVERAL COMORBIDITIES SUCH AS



References: 1. Hsu et al. Ann Intern Med 2006;144(1):21-8. 2. Kramer et al. Diabetes Care 2009;32(5):851-853. 3. Hendriks et al. BMJ Open 2018;8(1):e018859. 4. Tanaka et al. J Diabetes Complications 2016 Jul;30(5):790-7. 5. Wang et al. BMC Psychiatry 2016;16:88. 6. Foster et al. Diabetes Care 2009;32(6):1017-9. 6. Oldridge et al. J Clin Epidemiol 2001;54(9):928-34

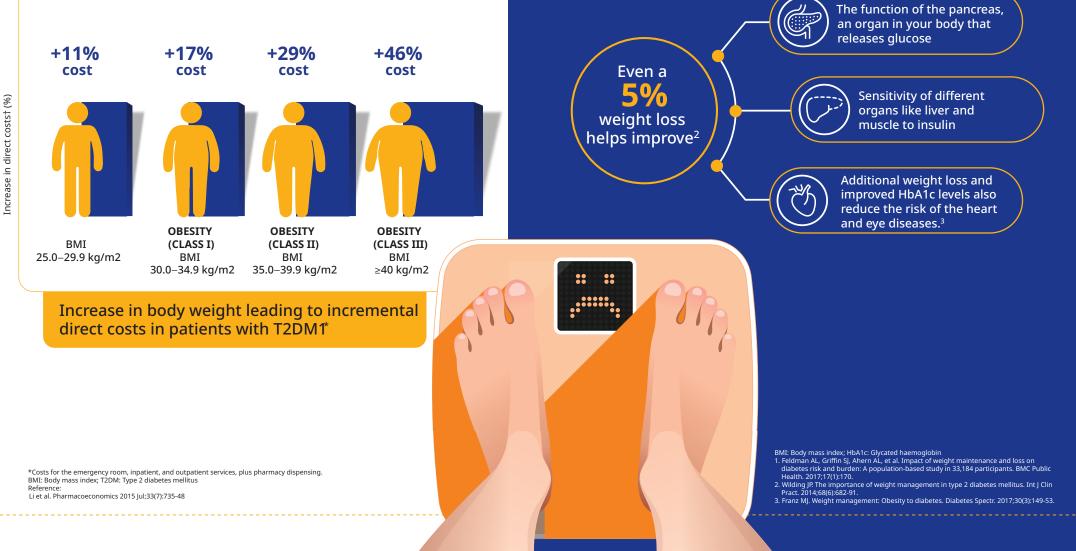
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### INCREASED WEIGHT LEADS TO INCREASED COST

In patients suffering from diabetes, when there is an increase in weight or BMI, the costs\* spent on medical care also increases:<sup>1</sup>

## IMPACT OF EXCESS WEIGHT ON DIABETES

The association between BMI and diabetes is approximately directly linked.1



## Break the Partnership: Talk to your Doctor



### FOR THE NEXT APPOINTMENT WITH YOUR DOCTOR, BE SURE TO FILL THIS FORM

Complete your report and share your diabetes and weight-loss history with your healthcar e provider.

#### This form includes





**Current weight-loss** 

efforts

Yo

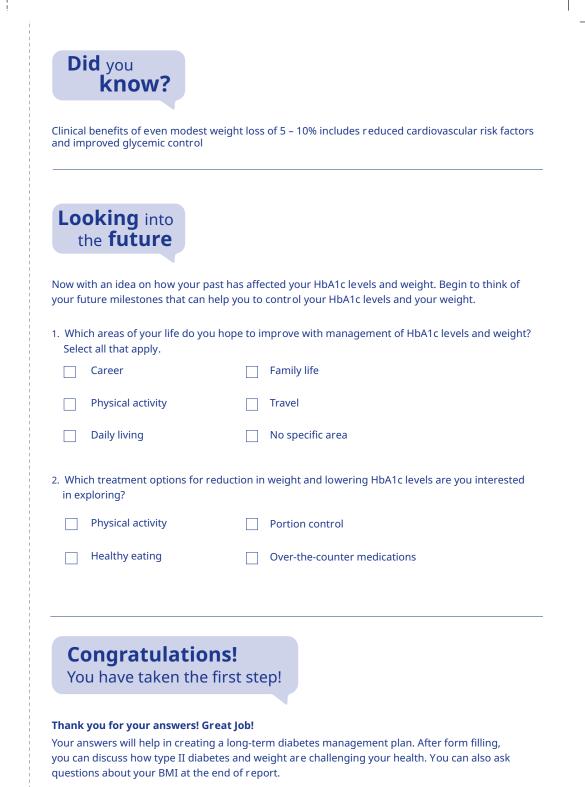
Tips for talking to a healthcare provider

#### Start the Quiz

1. When were you first diagnosed with diabetes?

2. What is your current weight?					
3. How old are you now?					
4. How tall are you?					
5. How would you rate your health in general?					
Poor Fair	Good	Very good Excellent			
6. How motivated are you to lose weight from the scale of 1 – 5, 1 being the least motivated and 5 being very motivated?					
7. What are you doing to manage diabetes levels and weight-loss? Select all that apply.					
Physical activity	Healthy eating	Portion control			
Over-the-counter medications	Prescription medications	Therapist and / or health coach (in-person or online)			

o. Have you been diagnosed with a	ing of the following in addit	on to Type II diabetes:	
Cardiovascular disease (including heart disease or stroke)	High blood pressure	High cholesterol	
Asthma and/or chronic obstructive pulmonary disease	Fatty liver disease	Infertility	
Polycystic ovary syndrome	Osteoarthritis	Depression	
Sleep apnea (difficulty breathing while sleeping)	None		
). Is your weight currently creating	challenges for you in the fo	bllowing areas? Select all that apply	/.
Career	Physical activity	Daily living	
Family life	Travel	My weight is currently no me significantly in any ar	
. How old were you at that time 2. What were your HbA1c levels 3. What was your lowest weight	then?		
l. Do you feel any of the following	ng life events triggered a	weight change? Select all that a	apply
The end of an important relat	ionship 📄 An i	llness or loss	
Habit change (eg. quit smokir	ng) A fi	nancial issue	
A move to some city/country	Anc	ther significant life event	
A career change HbA1c levels, and weight	I ha	ve always had issues with my	
A family-related change	I do	n't remember	
5. When were you at your lowes Select all that apply	t weight? What were you	doing to lose or manage your	weight?
Physical activity	Portion control	Prescription medicati	ons
Healthy eating	Over-the-counter	Therapist and/or hea	lth coach



#### **NOTES:**

