The Psychological Side of Diabetes

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Objectives

- Explore psychological aspects that impact patients with diabetes
- Differentiate Depression and Diabetes Distress
- Review screening tools to use with patients with diabetes



Psychosocial Factors Affecting Diabetes Self-Care

Socioeconomic and Cultural Factors

Patient Knowledge, Beliefs, and Related Cognitive Factors

- Knowledge
- Health literacy
- Numeracy skills
- Beliefs
- Self-efficacy and perceived control

Behavioral Skills, Coping, Self-Control, and Self-Regulation

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- Problem solving and coping
- Self-control and self-regulation

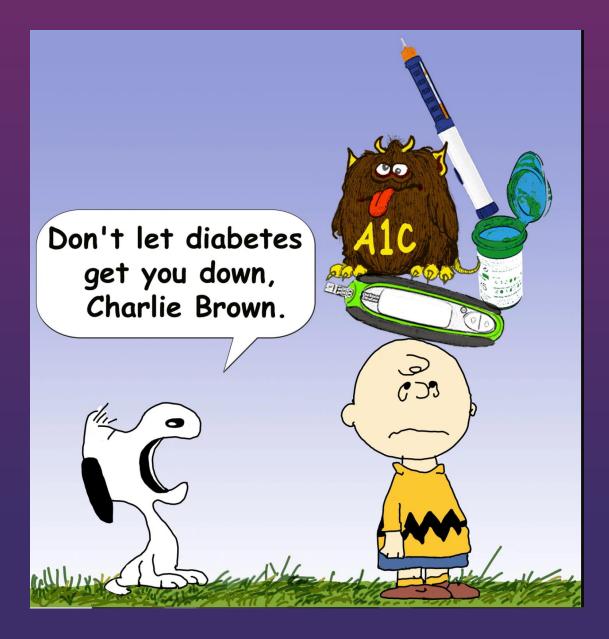
Psychological Conditions

- Depression
- Anxiety
- Eating Disorders
- Diabetes Distress



Psychological Conditions







Patient Story



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Psychosocial Care for People With Diabetes: A Position Statement of the American Diabetes Association

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Diabetes Care Volume 39, December 2016



Deborah Young-Hyman,¹ Mary de Groot,² Felicia Hill-Briggs,³ Jeffrey S. Gonzalez,⁴ Korey Hood,⁵ and Mark Peyrot⁶



Negative Emotions related to Diabetes

Guilt	Out of control
Shame	Frustration
Anger	Overwhelmed
Sadness	Alone
Hopelessness	Fear
Embarrassment	Mistrust





"I'm Diabetes, and these are my constant companions: Stereotype, Ignorance and Rudeness."



Depression



Major Depressive Episode (DSM-5)

5+ symptoms occurring nearly every day during a discrete 2-week period that is different from the person's typical level of functioning

- Depressed mood most of the day, nearly every day and/or
- Markedly diminished interest in or pleasure in all, or almost all, activities most of the day, nearly every day
- Significant weight loss or weight gain or change in appetite
- Sleep disturbance (insomnia, hypersomnia)
- Feelings of worthlessness or excessive, inappropriate guilt
- Psychomotor agitation or retardation
- Fatigue or loss of energy
- Diminished ability to think or concentrate, indecisiveness
- Recurrent thoughts of death, recurrent suicidal ideation without a specific plan, or a suicide attempt or a specific plan for committing suicide

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Other Common Conditions with Depression

- Major Depressive Disorder
- Persistent Depressive Disorder (Dysthymia)
- Other Specified Depressive Disorder or Unspecified Depressive Disorder
- Bipolar and Related Disorders
- Adjustment Disorders
- Bereavement



Depression and Diabetes

• 1 in 4 individuals with diabetes has elevated symptoms of depression or a depressive disorder

T1D: 21.3% T2D: 27%

- Associated with sub-optimal diabetes management (e.g., self-care behaviors, glycemic control), higher complication rates, increased health care use and cost, diminished quality of life, increased disability with lost productivity, and increased risk of death
- History of depression and/or current depressive symptomatology are risk factors for the development of T2D
- Depressive symptoms are more likely to occur when there is a significant change in medical status
- People with diabetes should be screened annually for depression



Screening for Depression

PATIENT HEALTH QUESTIONNAIRE-9 (PHQ-9)

Over the <u>last 2 weeks</u> , how often have you been bothered by any of the following problems? (Use "	Not at all	Several days	More than half the days	Nearly every day
1. Little interest or pleasure in doing things	0	1	2	3
2. Feeling down, depressed, or hopeless	0	1	2	3
3. Trouble falling or staying asleep, or sleeping too much	0	1	2	3
4. Feeling tired or having little energy	0	1	2	3
5. Poor appetite or overeating	0	1	2	3
 Feeling bad about yourself — or that you are a failure or have let yourself or your family down 	0	1	2	3
 Trouble concentrating on things, such as reading the newspaper or watching television 	0	1	2	3
 Moving or speaking so slowly that other people could have noticed? Or the opposite — being so fidgety or restless that you have been moving around a lot more than usual 	0	1	2	3
 Thoughts that you would be better off dead or of hurting yourself in some way 	0	1	2	3

For office coding _____ + _____ + _____ + _____ = Total Score:

If you checked off <u>any</u> problems, how <u>difficult</u> have these problems made it for you to do your work, take care of things at home, or get along with other people?

Not difficult Somewhat at all difficult	Very difficult □	Extremely difficult
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Interpreting PHQ-9 Scores

Minimal depression	0-4
Mild depression	5-9
Moderate depression	10-14
Moderately severe depression	15-19
Severe depression	20-27



Diabetes Distress



Diabetes Distress

Negative reactions to the demands and challenges of living with diabetes, including the constant, complicated demands of self-care and the potential or actuality of disease progression

• Prevalence Rate:

T1D: 43% T2D: 36-42% DAWN2 data (2011):

- 45% of participants reported diabetes distress
- 24% of participants reported health care providers asked how diabetes affected their lives
- Influenced by age, gender, culture, type of diabetes, use of insulin, number of complications, and length of time living with diabetes



Diabetes Distress

- Associated with higher A1c, lower diabetes self-efficacy, and poorer engagement in self-care behaviours such as diet and physical activity
- People with diabetes should be screened annually, at least, or at routine visits, when treatment goals are not met, or when diabetes related complications develop



Depression and Diabetes Distress

- 1. Diabetes Distress is more prevalent than clinical depression in patients with diabetes
- 2. Diabetes Distress can occur independent from or with clinical depression
- 3. Depression found in patients with diabetes may be better explained by Diabetes Distress
- 4. Screening for and treating clinical depression and diabetes distress may differ, but both are important to address in patient care.
- 5. Depression and Diabetes Distress are both treatable



Screening for Diabetes Distress

Problem Areas in Diabetes (PAID)

Diabetes Distress Scale (DDS)



Problem Areas In Diabetes (PAID) scale

Instructions: Which of the following diabetes issues are **currently** a problem for you? Tick the box that gives the best answer for you. Please provide an answer for each question.

		Not a problem	Minor problem	Moderate problem	Somewhat serious problem	Serious problem
1	Not having clear and concrete goals for your diabetes care?	0	1	2] з	4
2	Feeling discouraged with your diabetes treatment plan?	0	1	2	_ з	4
3	Feeling scared when you think about living with diabetes?	0	1	2	3	4
4	Uncomfortable social situations related to your diabetes care (e.g. people telling you what to eat)?	0	1	2	3	4
5	Feelings of deprivation regarding food and meals?	0	1	2	3	4
6	Feeling depressed when you think about living with diabetes?	0	1	2	_ з	4
7	Not knowing if your mood or feelings are related to your diabetes?	0	t	2	3	4
8	Feeling overwhelmed by your diabetes?	0	1	2	3	4
9	Worrying about low blood glucose reactions?	0	1	2	_ з	4
10	Feeling angry when you think about living with diabetes?	0	1	2	а з	4
11	Feeling constantly concerned about food and eating?	0	1	2	_ з	4
12	Worrying about the future and the possibility of serious complications?	0	1	2	_ з	4
13	Feelings of guilt or anxiety when you get off track with your diabetes management?	0	1	2] з	4
14	Not 'accepting' your diabetes?	0	1	2	3	4
15	Feeling unsatisfied with your diabetes physician?	0	1	2	_ з	4
16	Feeling that diabetes is taking up too much of your mental and physical energy every day?	0	1	2	с з	4
17	Feeling alone with your diabetes?	0	1	2	3	4
18	Feeling that your friends and family are not supportive of your diabetes management efforts?	o	1	2	3	4
19	Coping with complications of diabetes?	0	1	2	_ з	4
20	Feeling 'burned out' by the constant effort needed to manage diabetes?	0	[] 1	2	3	4

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Diabetes Distress Scale (DDS)

Emotional Burden	Feeling overwhelmed or fearful of managing the burdens of diabetes over time
Regimen Distress	Concerns of failing with self-care, feeling unmotivated to keep up with diabetes management
Interpersonal Distress	Concerns of not getting enough support about diabetes from loved ones
Physician Distress	Concerns of unclear treatment directions or that worries are not taken seriously enough



DDS

DIRECTIONS: Living with diabetes can sometimes be tough. There may be many problems and hassles concerning diabetes and they can vary greatly in severity. Problems may range from minor hassles to major life difficulties. Listed below are 17 potential problem areas that people with diabetes may experience. Consider the degree to which each of the 17 items may have distressed or bothered you DURING THE PAST MONTH and circle the appropriate number.

Please note that we are asking you to indicate the degree to which each item may be bothering you in your life, NOT whether the item is merely true for you. If you feel that a particular item is not a bother or a problem for you, you would circle "1". If it is very bothersome to you, you might circle "6".

	Not a Problem	A Slight Problem	A Moderate Problem	Somewhat Serious Problem	A Serious Problem	A Very Serious Problem
1. Feeling that diabetes is taking up too much of my mental and physical energy every day.	1	2	3	4	5	6
2. Feeling that my doctor doesn't know enough about diabetes and diabetes care.	1	2	3	4	5	6
3. Not feeling confident in my day-to-day ability to manage diabetes.	1	2	3	4	5	6
4. Feeling angry, scared and/or depressed when I think about living with diabetes.	1	2	3	4	5	6
5. Feeling that my doctor doesn't give me clear enough directions on how to manage my diabetes.	1	2	3	4	5	6
6. Feeling that I am not testing my blood sugars frequently enough.	1	2	3	4	5	6
7. Feeling that I will end up with serious long-term complications, no matter what I do.	1	2	3	4	5	6
8. Feeling that I am often failing with my diabetes routine.	1	2	3	4	5	6

	Not a Problem	A Slight Problem	A Moderate Problem	Somewhat Serious Problem	A Serious Problem	A Very Serious Problem
 Feeling that friends or family are not supportive enough of self-care efforts (e.g. planning activities that conflict with my schedule, encouraging me to eat the "wrong" foods). 	1	2	3	4	5	6
10. Feeling that diabetes controls my life.	1	2	3	4	5	6
11. Feeling that my doctor doesn't take my concerns seriously enough.	1	2	3	4	5	6
12. Feeling that I am not sticking closely enough to a good meal plan.	1	2	3	4	5	6
13. Feeling that friends or family don't appreciate how difficult living with diabetes can be.	1	2	3	4	5	6
14. Feeling overwhelmed by the demands of living with diabetes.	1	2	3	4	5	6
15. Feeling that I don't have a doctor who I can see regularly enough about my diabetes.	1	2	3	4	5	6
16. Not feeling motivated to keep up my diabetes self management.	1	2	3	4	5	6
17. Feeling that friends or family don't give me the emotional support that I would like.	1	2	3	4	5	6

DDS 12.1.17 © Behavioral Diabetes Institute

2 of 3



DDS 12.1.17 © Behavioral Diabetes Institute

1 of 3



"What is the **one** thing about your diabetes that drives you crazy or worries you most?"



Other Considerations in Caring for Individuals with Diabetes

- Family Conflict/Issues
- Substance Use
- Neurocognitive Complications
- Overall Quality of Life
- Stigma
- Other Medical Complications and Functional Impairment
- Serious Mental Illness
- Youth-to-Adult Transition
- Aging



When to Refer to Behavioral Health

- On-going self-care problems or diabetes-related stress even after diabetes education
- Positive screen on a validated depression screening tool
- Change in medical status that interferes with social or occupational functioning



QUESTIONS?



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Resources



Resources: Screening Measures

PHQ-9: Kroenke, K., Spitzer, R. L., & Williams, J. B. W. (2001). The PHQ-9 Validity of a Brief Depression Severity Measure. Journal of General Internal Medicine, 16, 606-613. OR <u>www.phqscreeners.org</u>

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PAID: Polonsky, W. H., Anderson, B. J., Lohrer, P. A. et al. (1995). Assessment of diabetes-related distress. Diabetes Care, 18, 754-760.

Resources: Organizations

National

American Diabetes Association (ADA): ADA Mental Health Provider Directory: ADA DSME Programs: Behavioral Diabetes Institute: Benaroya Research Institute: Beyond Type 1: Center for Chronic Illness: ConnecT1D: Diabulimia Helpline: diaTribe: JDRF: Taking Control of Your Diabetes: www.diabetes.org www.professional.diabetes.org/mhp_listing www.diabetes.org/diabetes/find-a-program www.behavioraldiabetes.org www.behavioraldiabetes.org www.behavioraldiabetes.org www.beyondtype1.org www.beyondtype1.org www.thecenterforchronicillness.org www.thecenterforchronicillness.org www.connect1d.org www.diabulimiahelpline.org www.diatribe.org www.idrf.org www.tcoyd.org

Local Support Groups

EvergreenHealth Medical Center (T2D): JDRF (T1D): UWM Diabetes Institute (T1D): Center for Chronic Illness: <u>www.evergreenhealth.com/diabetes-support</u> <u>Virtual Coffee Talk – Pacific Northwest Chapter and Seattle Guild (jdrf.org)</u> (206) 598-4882 <u>www.thecenterforchronicillness.org</u>

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