



25  
years

# Preparing for Certified Diabetes Care and Education Specialist Exam (CDCES) 2024

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President, Diabetes Education Services



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**Beverly Thomassian, RN, MPH, CDCES, BC-ADM**  
CEO, coach, instructor, cheerleader, mentor

[www.DiabetesEd.net](http://www.DiabetesEd.net) | [info@diabetesed.net](mailto:info@diabetesed.net) | 530-893-8635

# Bryanna is here to Help!



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If you have questions,  
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# Start Your Journey



## Preparing for CDCES Exam?

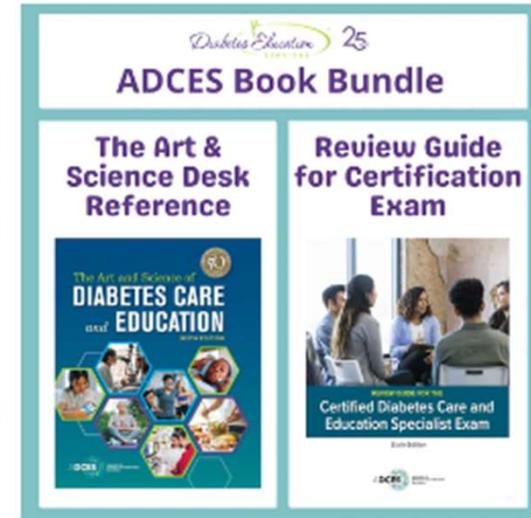
[Future CDCES – Click Here!](#)

[Prep for CDCES Webinars](#)

## Preparing for BC-ADM Exam?

[Future BC-ADM – Click Here!](#)

[Prep for BC-ADM](#)



ADCES Book Bundle:  
Desk Reference &  
Review Guide - 6th  
edition

\$ 388.95

# Land Acknowledgment

- ▶ We acknowledge and are mindful that Diabetes Education Services stands on lands that were originally occupied by the first people of this area, the Mechoopda, and we recognize their distinctive spiritual relationship with this land, the flora, the fauna, and the waters that run through this area.



# Topics – Prep for CDCES

- ▶ Updated Definitions
- ▶ Certified Diabetes Care and Education Specialist
  - ▶ Eligibility requirements
  - ▶ Exam content
  - ▶ Study strategies
  - ▶ Test taking tips
  - ▶ [Resources](#)



# Diabetes Cert Names

- ▶ **Organization:** Certification Board for Diabetes Care and Education (CBDCE) (Formerly NCBDE)
- ▶ **Designation:** Certified Diabetes Care and Education Specialist (CDCES)
- ▶ **Examination:** Certification Examination for Diabetes Care and Education Specialists
- ▶ Association of Diabetes Care and Education Specialist (ADCES)



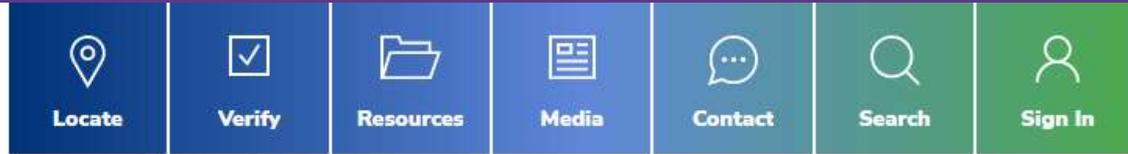
# Blackout Periods for Application Scheduling, Submission and CDCES Testing + Exam Update

- ▶ To improve the candidate experience CDCES will be moving to a new application platform in early 2024.
- ▶ **Blackout period for exam application**
- ▶ Two-week application blackout period from
  - ▶ February 9, 2024, to February 27, 2024
- ▶ **Blackout period for exam application AND testing**
- ▶ No scheduling **or** testing is **available**
  - ▶ From February 19 to February 27, 2024
- ▶ Please consider this important information as part of your plan to apply, schedule, and take your CDCES exam.



**Exam outline  
will update  
in July, 2024**

www.cbdce.org



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01 — 03

# Thinking about Earning the CDCES?

Join over 19,500 health care professionals who have validated their expertise and professionalism by earning the Certified Diabetes Care and Education Specialist (CDCES) credential.



## Become Certified

CDCESs educate and support people affected by diabetes. Earn the most recognized credential in diabetes care and education.

**Get started. →**

# What is a CDCES?

A Certified Diabetes Care and Education Specialist is a health professional who possesses comprehensive knowledge of and experience in diabetes prevention, prediabetes, and diabetes management.

The CDCES educates, supports, and advocates for people affected by diabetes, addressing the stages of diabetes throughout the lifespan.

The CDCES promotes self-management to achieve individualized behavioral and treatment goals that reduce risks and optimize health outcomes



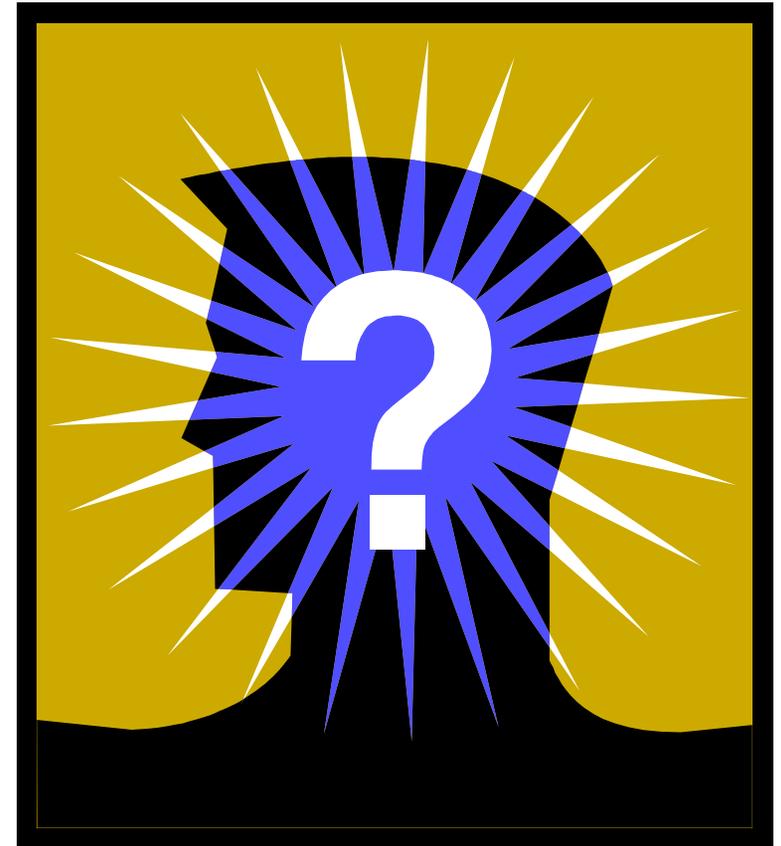
**2024**  
CERTIFICATION  
EXAMINATION  
for  
Diabetes Care and  
Education Specialists  
Handbook

For those applying for certification  
in January/February 2024



# Why Take the CDCES Exam?

- ▶ Provides a mechanism to demonstrate professional accomplishment and growth
- ▶ Provide formal recognition of specialty practice and knowledge at a mastery level
- ▶ Provides validation of demonstrated dedication to diabetes
- ▶ Promote continuing commitment to best practices, current standards and knowledge



# Professional Practice Experience

## Must meet all - 2024

- ▶ A minimum of two years (to the day) of professional practice experience in the discipline under which one is applying for certification

AND

- ▶ \*Minimum of 1,000 hours of professional practice experience within the past 5 years in diabetes self-management education with a minimum of 200 hours = about 4 hrs a week) accrued in the last 12 months.

AND

- ▶ Minimum of 15 clock hours of continuing diabetes education within 2 years prior to applying for certification.

# 2021- 2026 Practice Experience Updates Extended through 2026 and beyond? CBCDE

STANDARD PATHWAY		
DCE PROFESSIONAL PRACTICE EXPERIENCE REQUIREMENT	WITHOUT ADJUSTMENTS (PRIOR REQUIREMENT)	PERMANENT REQUIREMENT CHANGE FOR ALL APPLICATIONS SUBMITTED FROM 1/1/2024 AND FORWARD*
Current DCE experience (12 months prior to applying)	At least 400 hours of DCE in last 12 months	At least 200 hours of DCE in last 12 months
Total DCE experience needed prior to applying	Total 1000 hours in no more than 4 years prior to applying	Total 1000 hours of DCE within 5 years

UNIQUE QUALIFICATIONS PATHWAY		
DCE PROFESSIONAL PRACTICE EXPERIENCE REQUIREMENT	WITHOUT ADJUSTMENTS (PRIOR REQUIREMENT)	PERMANENT REQUIREMENT CHANGE FOR ALL APPLICATIONS SUBMITTED 1/1/2024 AND FORWARD*
Current DCE experience (12 months prior to applying)	At least 400 hours of DCE in last 12 months	At least 200 hours of DCE in last 12 months
Total DCE experience needed prior to applying	Total 2000 hours in no more than 4 years prior to applying	Total 2000 hours of DCE within 5 years

\* Temporary changes were originally to set to end 2022 – 2025 were approved in November 2023 to move from temporary to permanent changes in the eligibility requirements for initial certification.

# Professional Degree, DSME Practice Hours, plus CE

- ▶ Only experience occurring AFTER completing your professional degree can be counted toward the Professional Practice Experience requirement.
- ▶ Need 1000 hours of DSME Practice Hours
- ▶ If on Unique Qualifications Pathway, need 2000 hours of DSME
- ▶ For more: [info@CBDCE.org](mailto:info@CBDCE.org) or call 877 -239- 3233



# Quick Question A

- ▶ Diabetes Care and Education Exam includes which of the following philosophies?
- ▶ A. Encouraging compliance improves outcomes
- ▶ B. Empower people to improve diabetes self-management
- ▶ C. Consider individual needs, goals and life experiences
- ▶ D. Help all people achieve an A1c less than 7
- ▶ E. Collaborate and provide ongoing care

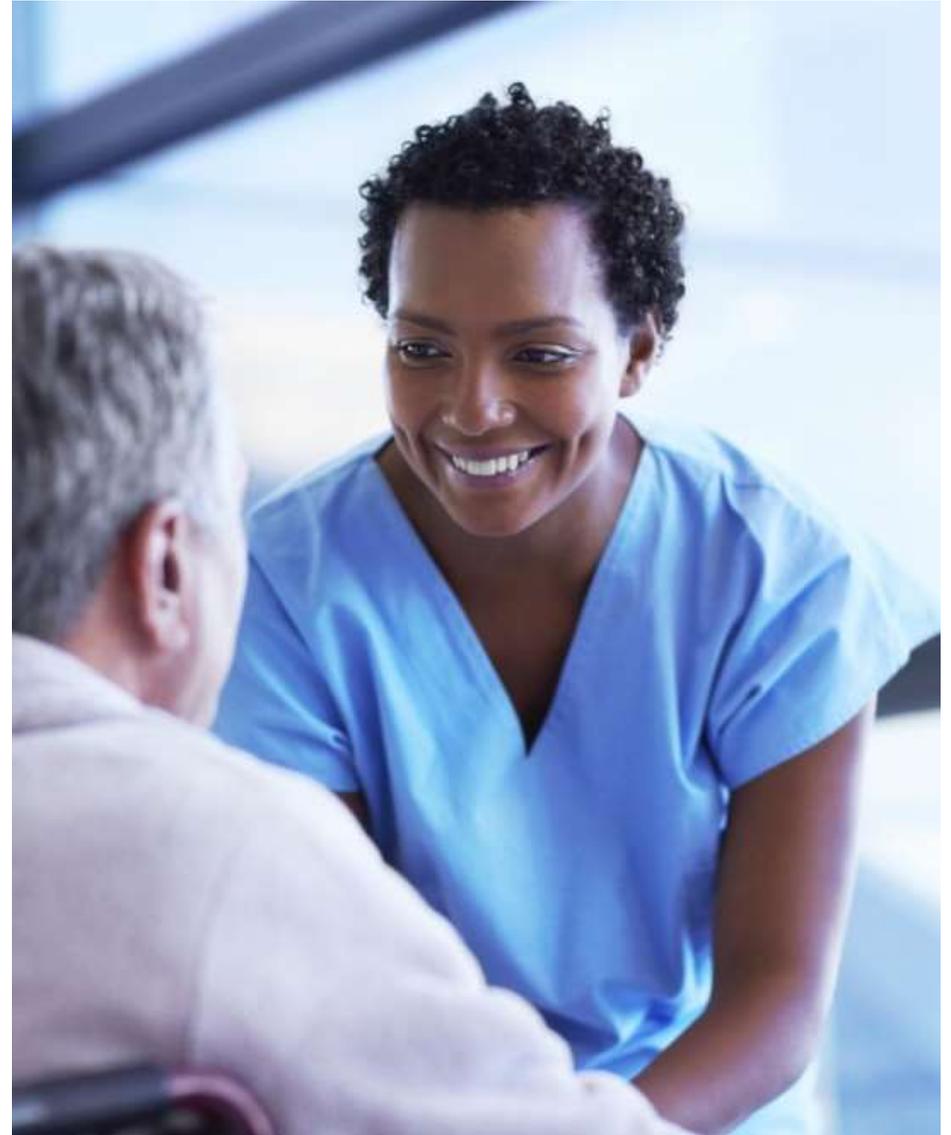
# Definition of Diabetes Education

- ▶ It is a component of a comprehensive plan of diabetes care.
- ▶ Involves the person with prediabetes and or diabetes, caregivers and specialists
- ▶ Ongoing process of facilitating the knowledge, skill, and ability necessary for self-care, as well as activities that assist a person in implementing and sustaining the health practices to manage on an ongoing basis, beyond or outside of formal self-management training.



# Definition of Diabetes Education

- ▶ Process incorporates the needs, goals and life experiences of the person and is guided by evidence-based standards.
- ▶ Includes practical problem-solving approaches and collaborative care.
- ▶ Address psychosocial issues, lifestyle change, and strategies to sustain self-management



# DSMES is for Everyone

- ▶ All people with diabetes should participate in diabetes self-management education and support to facilitate the knowledge, decision-making, and skills mastery for diabetes self-care.
- ▶ Assess clinical outcomes, health status, well being and support.
- ▶ Person centered
- ▶ Digital coaching
- ▶ Identify barriers
- ▶ Eval SDOH
- ▶ Consider barriers



# Diabetes Care & Education Includes:

**Assessment:** Participant's needs are identified. Process is led by the participant with assessment of support of specialist.

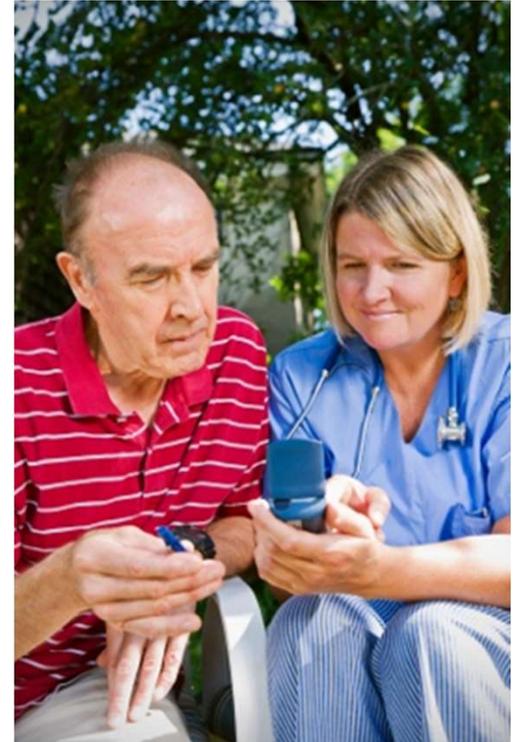
**Care & Education Plan:** Individualized plan that reflects participant's self-management goals, current evidence and practice guidelines. Includes criteria for evaluating outcomes.



**Interventions:** The specialist delivers options to assist participants in meeting self-management goals.



**Ongoing Support:** The specialist provides options for ongoing support and resources. The support option is selected by participant to best meet self-management goals



# Definition of Diabetes Education

**Participant Progress:** Specialist monitors and communicates whether participant is achieving self-management goals and other outcome(s) to evaluate effectiveness of interventions. Additional assessments are based on participant's needs across lifespan.



**Documentation:** Assessment, education plan, intervention, and outcomes are documented in participant's health record.



**Services Development/Administration:**  
Development and administrative activities performed as part of DSMES services



# DSMES is underutilized

**ONLY**



Of **MEDICARE** beneficiaries with newly diagnosed diabetes used DSMT services<sup>1</sup>

**ONLY**



Of individuals with newly diagnosed T2D with **PRIVATE HEALTH** insurance received DSMES within 12 months of diagnosis<sup>2</sup>

Li R, et al. Morbidity Mortality Weekly Report, 2014

Strawbridge LM, et al. Health Educator, 2015



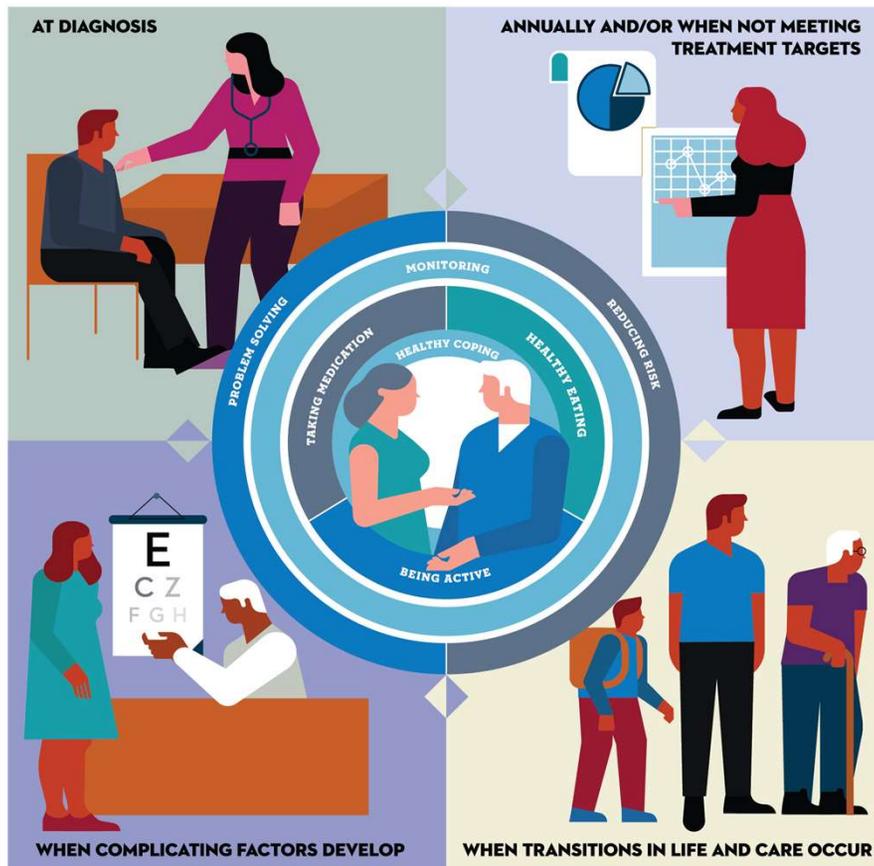
Diabetes Education  
SERVICES

# Diabetes Self Management Ed Benefits

- ▶ Improved knowledge
- ▶ Lower weight
- ▶ Improved quality of life
- ▶ Reduced mortality
- ▶ Positive coping
- ▶ Reduced cost
- ▶ Only 5-7% of Medicare/insured receive DSME)
- ▶ Increased primary care, preventive services
- ▶ Less frequent use of acute care and inpt admissions
- ▶ More likely to follow best practice recommendations (esp those with Medicare)



# FIVE critical times to provide and modify DSMES



- 1) At diagnosis.
- 2) Annually
- 3) When not meeting treatment targets.
- 4) When complicating factors develop.
- 5) When transitions in life and care occur.

Powers MA, Bardsley JK, et al. DSMES Consensus Report, The Diabetes Educator, 2020  
ADCES. AADE7 Self-Care Behaviors, The Diabetes Educator, 2020

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

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

Abstracts View article PDF

Topics: carbohydrates, diabetes mellitus, type 2, eating, health personnel, hypoglycemia

Diabetes Care December 2022, Vol 46, S68-S96 doi:https://doi.org/10.2337/dc23-8005

[cdc.gov/diabetes/professional-info/training.html](https://cdc.gov/diabetes/professional-info/training.html)

# DSME Overall Objective

- ▶ **Participant Centered**
- ▶ Support informed decision making
- ▶ Problem solving
- ▶ Active collaboration to improve clinical outcomes and quality of life
- ▶ Avoid judgmental words that increase feelings of shame and/or guilt
- ▶ Choose words and phrases that put people first
- ▶ Avoid shame and blame

# Language of Diabetes Education

## Old Way

- ▶ Control diabetes
- ▶ Test BG
- ▶ Patient
- ▶ Normal BG
- ▶ Non-adherent, compliant

 American Diabetes Association. Diabetes Care.

## New Way

- ▶ Manage
- ▶ Check
- ▶ Participant
- ▶ BG in target range
- ▶ Focus on what they are accomplishing

*What we say matters*



### The Use of Language in Diabetes Care and Education

Jane K. Dickinson, Susan J. Guzman, Melinda D. Maryniuk, Catherine A. O'Brien, Jane K. Kadohiro, Richard A. Jackson, Nancy D'Hondt, Brenda Montgomery, Kelly L. Close and Martha M. Funnell

Diabetes Care 2017 Oct; dci170041. <https://doi.org/10.2337/dci17-0041>

# Free Language Webinar

What We Say Matters: Language that Respects the Individual and Imparts Hope | FREE Webinar & Resources



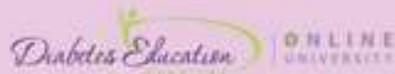
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More info. at [www.DiabetesEd.net](http://www.DiabetesEd.net)

**Assess Your Readiness to Apply for the CDCES Examination †**

Please review before completing application.

NOTE: The Certification Examination for Diabetes Care and Education Specialists is designed and intended for health professionals who have responsibilities that include the direct provision of diabetes care and education (DCE), as defined by CBDCE. Refer to Definition of Diabetes Care and Education section, [page 4](#).

†This review list represents a summary of requirements. See [pages 3-4](#) for all details.

Yes      No

- |                          |                          |  |
|--------------------------|--------------------------|--|
| <input type="checkbox"/> | <input type="checkbox"/> | 1. As a clinical psychologist, registered nurse, occupational therapist, optometrist, pharmacist, physical therapist, physician, podiatrist, master certified health education specialist, certified clinical exercise physiologist, registered dietitian, dietitian nutritionist, or registered PA, is your license, certification or registration current, active and unrestricted?* |
|--------------------------|--------------------------|--|

**OR**

Do you hold a minimum of a master's degree in social work from a United States college or university accredited by a nationally recognized regional accrediting body?

**OR**

If you do not meet either of these, you are encouraged to investigate CBDCE's Unique Qualifications Pathway. Please visit our website for more information on that pathway.

- |                          |                          |   |
|--------------------------|--------------------------|---|
| <input type="checkbox"/> | <input type="checkbox"/> | 2. Has your practice experience occurred within the United States or its territories?   |
| <input type="checkbox"/> | <input type="checkbox"/> | 3. Has all your practice experience occurred since you met requirement #1 above?  |
| <input type="checkbox"/> | <input type="checkbox"/> | 4. Do you have a minimum of 2 calendar years (to the day) of practice experience since you received the license, registration or advanced degree as outlined above or are you using a Master's degree in a health-related field as a waiver for one of the two years?                               |
| <input type="checkbox"/> | <input type="checkbox"/> | 5. Have you accrued 1000 hours of practice experience in diabetes care and education (DCE) within the last 5 years?   |
| <input type="checkbox"/> | <input type="checkbox"/> | 6. Do you have a minimum of 20% (or 200 hours) of the 1000 hours of DCE practice experience accrued within the past year?   |
| <input type="checkbox"/> | <input type="checkbox"/> | 7. Does your practice experience include at least some or all in the DCE process: assessment, education plan, interventions, ongoing support, monitoring and communication of participant progress, documentation, and development of DSMES services/administration?                                |
| <input type="checkbox"/> | <input type="checkbox"/> | 8. The Examination Content Outline (ECO) identifies what is covered on the Examination. Reminder that regardless of discipline, knowledge (and the ability to apply that knowledge) is necessary across all areas of the ECO. Have you reviewed the ECO and assessed your knowledge across the ECO? |

INITIAL

# Applying to take the CDCES Exam

At the time of your online application, you will receive:

- ▶ On-line notification of either approval
- ▶ Or that you have been selected for audit
- ▶ If you are submitting a paper application, call PSI if it has been more than 4 weeks since application was mailed and you have not received notice of receipt or audit.

**Phone:** PSI 833-333-4754

**Online Scheduling:** schedule an examination appointment online at <http://schedule.psiexams.com>.



# What is included in audit if requested?

- ▶ Licensure
- ▶ Documentation of Professional Practice  
Experience –
  - ▶ A journal of weekly hours of providing DSME
  - ▶ Supervisor to verify
- ▶ CE course verification
- ▶ Employment verification signed by supervisor



# Test Taking Window

- ▶ The exam is administered on an ongoing basis
- ▶ Once application approved, candidates must schedule their testing appointment within a 90-day window on a date of their choosing
  - ▶ schedule an appointment to take the examination on a first-come, first-served basis through PSIs online scheduling system
  - ▶ See application booklet for more details



**Online Scheduling:** schedule an examination appointment online at <http://schedule.psiexams.com>.

# CDCES Live Remote Proctoring (LRP)

- ▶ Candidate uses own computer from home.
- ▶ A compatibility check of the computer's audio/video, webcam and system is required prior to scheduling.
- ▶ The candidate must have a computer with a web camera that can be moved to display the entire room, a microphone, and internet connection to download the PSI secure browser.
- ▶ Calculator built into program



Live Remote Proctoring (LRP) is now available for the CDCES exam! Candidates have the convenience and flexibility of taking the CDCES exam by either testing at a PSI Test Center or by LRP!

[Learn More](#)



# 2024

CERTIFICATION  
EXAMINATION

for  
Diabetes Care and  
Education Specialists

Handbook

For those applying for certification  
in January/February 2024



<https://www.cbdce.org/apply-and-schedule>

# CDCES Live Remote Proctoring

- ▶ **Breaks: You are NOT allowed any breaks during your LRP exam session.**
- ▶ Identification: You will be required to take a picture of yourself via the webcam. You will also be required to show via webcam your photo ID.
- ▶ Room Scan: You will be required to perform a 360° scan of your testing room. Room must be free of study materials, papers, reference materials, etc.
- ▶ Calculator: The LRP platform has a calculator built-in in the lower left-hand corner of screen.
- ▶ Communicating with your proctor: will be conducted via chat during the testing session.
- ▶ **Results will pop up on screen upon completion.**



Live Remote Proctoring (LRP) is now available for the CDCES exam! Candidates have the convenience and flexibility of taking the CDCES exam by either testing at a PSI Test Center or by LRP!

[Learn More](#)



**2024**  
CERTIFICATION  
EXAMINATION

for  
Diabetes Care and  
Education Specialists  
Handbook

For those applying for certification  
in January/February 2024



# When will I get my results?

- ▶ You will receive your test results the same day at testing site or if using remote proctoring.
- ▶ You can retake the test as many times as needed
- ▶ Cost –
  - ▶ 1<sup>st</sup> time \$350
  - ▶ Renewal - \$250



# Scoring the Exam

- ▶ Reported as raw and scaled scores
  - ▶ Raw score: number of right answers
  - ▶ Scaled score: statistically derived from the raw score
- ▶ Total score determines pass/fail and is reported as a scaled score ranging between 0 and 99
- ▶ To pass: 70 scaled score units



# CDCES Exam First Time Pass rates

2009 – 69 % (test changed based on work study analysis and computerized)

2010 – 69%

2011 -65%

2012 – 63.5%

2013 – 67 and 69%

2014 - 66 and 67%

2015 - 62 and 64% (test updated)

2016 – 67%

2017 – 66%

2018 – 67%

2019 – 70%

2020 & 2021 & 2022 – 67%



# Exam Details

- ▶ Questions are linked directly to a task or tasks.
- ▶ Each question is designed to test if the candidate possesses the **knowledge necessary to perform the task or has the ability to apply it to a job situation.**
- ▶ 25 of the 200 questions are new - but are **not** counted in the determination of individual examination scores.



# Quick Question – Multiple answers

What are some study strategies that will help you succeed?

- a. Focus your study time on topics you are confident in.
- b. Take as many practice tests as possible
- c. Read as many books on diabetes as possible
- d. Develop a study plan and block off study time.
- e. Teach the content to someone else

# 220 Test Questions – Assess your Knowledge



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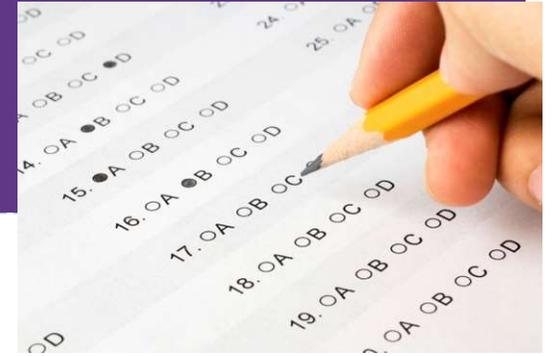
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# Overview of CDCES Exam



- ▶ Composed of 200 multiple-choice, objective questions with a total testing time of four (4) hours.
- ▶ Based on job analysis completed in 2018, which surveyed diabetes educators about the tasks they performed.
- ▶ **Exam will be updated in July 2024 based on new exam outline!**

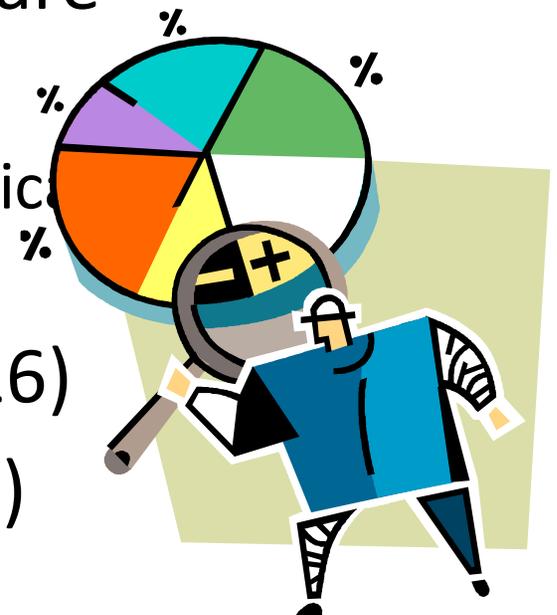
# Exam Content through June 30, 2024 - Assessment

- ▶ Assessment (59) Starting in July (37)
  - ▶ Learning (19)
  - ▶ Health and Psychosocial Status (19)
  - ▶ Knowledge and Self-Management Practices (21)



# Exam Content - Intervention

- ▶ Intervention (88)      Starting in July (105)
  - ▶ Collaboration with Individual, Family, Caregiver, and Healthcare Team (18)
  - ▶ Educate based on individualized care strategies (35)
    - ▶ Meds, MNT, acute and chronic complications problem solving
  - ▶ Evaluate, Revise and Document (26)
  - ▶ Follow-up, support and referral (9)



# Exam Content – Disease Management

- ▶ Education and Program Standards (28)  
Starting in July (8)
  - ▶ Education services standards
  - ▶ National Standards for Diabetes Self Management Education and Support (8)
  - ▶ Clinical Practice (18)
    - ▶ Inpt and Outpt Standards for ADA, AACE
  - ▶ Promote Diabetes Advocacy (2)
- ▶ For detailed outline look in Testing Handbook



# Test Timing of Diabetes Advancements – AKA What Year Standards to Study?

- ▶ **CBDCE has developed the following policies.**
- ▶ **One Year** – New medical advances, guidelines, or pharmaceuticals will be included in CDCES Exam no sooner than one year after the information is released.
- ▶ **Immediately** – New diagnostic criteria or specific guidelines impacting diabetes care and education and/or treatment of diabetes which are released nationally and identified as effective immediately may be included in the examination at any time.



# ADA 2023-24 Updates for Exams

## A1c less than 7% (individualize)

- Pre-meal BG 80-130
- Post meal BG <180
- Time in Range (70-180) 70% of time

## Blood Pressure <130/80



## Cholesterol

- Statin therapy based on age & risk status
- If 40+ with ASCVD Risk, decrease LDL by 50%, LDL <70
- If 40+ with ASCVD, decrease LDL by 50%, LDL <55

## Articles to Read to Prepare for CDCES Exam

### ^ Read More: Recommended Articles

[ADA Standards of Care 2024](#) – This yearly publication by the American Diabetes Association outlines the national goals of care based on the latest research for diabetes management. This is one of the most important guidelines to read as a Certified Diabetes Care and Education Specialist.

[Summary of Revisions: Standards of Care in Diabetes—2024](#) – The 2024 Standards of Care includes revisions to incorporate person-first and inclusive language. Efforts were made to consistently apply terminology that empowers people with diabetes and recognizes the individual at the center of diabetes care.

[Screening and Diagnosis of Diabetes Mellitus 2024](#) – One-page cheat sheet that summarizes screening, risk status, and diagnostic criteria for diabetes. Great for your office and as a study tool.

[Pharmacologic Approaches to Glycemic Treatment in 2024](#). This ADA/EASD hyperglycemia road map details strategies to improve glucose management for both Type 1 and Type 2 Diabetes. *Section 9 of Standards of Care, 2024*

#### [Language & Diabetes. What we say matters | Resource page](#)

Language is powerful and can have a strong impact on perceptions as well as behavior. This mini webinar and article provide recommendations for the language used by health care professionals and others when discussing diabetes through spoken or written words whether directed to people with diabetes, colleagues, or the general public, as well as research questions related to language and diabetes.

[Med Cheat Sheets | Cholesterol and Hypertension Medications 2024](#) – These summary sheets are helpful for your clinical practice and preparing for certification exams. For exam success, be familiar with the general concepts, (side effects and precautions) of these medications.

[ADCES 7™ Self-Care Behaviors](#) – A must-read for anyone entering the field of Diabetes or as a reference for those already in the field. These 7 Self-Care Behaviors™ provide a framework for patient-centered diabetes self-management education and training (DSME/T) and care.

[American Association of Clinical Endocrinology Consensus Statement: Comprehensive Type 2 Diabetes Management Algorithm – 2023 Update](#). This link provides the **complete executive** and **slide set summary** by an American Association of Clinical Endocrinologists/American College of Endocrinology Consensus Panel on Type 2 Diabetes Mellitus. If you are taking the CDCES or BC-ADM exam, we encourage students to be familiar with the slide content that reviews diabetes management.

## Scroll to Bottom of Page to Find Articles

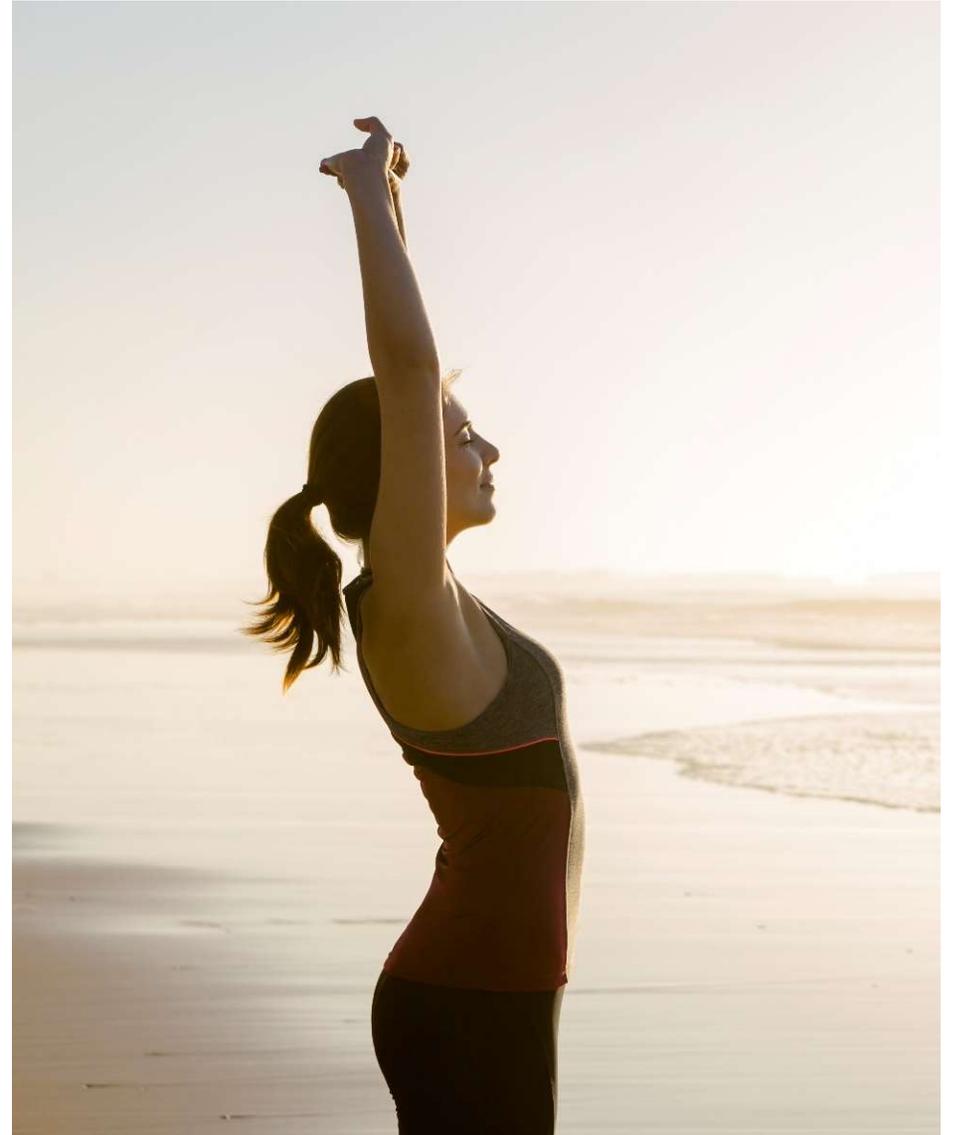
# What to Study?



Get Started > Preparing for CDCES Exam Free webinar (direct camera on QR Code)

# Taking the Exam

- ▶ Questions
- ▶ Answers
- ▶ Pitfalls



# Empowerment Errors

- ▶ Focusing on the medical need rather than the psychosocial needs
- ▶ Failing to keep in mind the participants characteristics (age, type of diabetes, etc.)
- ▶ We are supporting efforts toward behavior change.
- ▶ **Keep it Person Centered**



# Thinking Pitfalls

- ▶ Imagining a right answer and getting thrown when it is not among the choices
- ▶ Over thinking question/answers
- ▶ Choosing an answer that did not fit the situation
- ▶ Using the goals in your clinical setting. Focus on national goals.



# Take a Practice Test – Learn how to “work” test questions

- ▶ Weed through the details
- ▶ Make sure you REALLY understand key intent of question
- ▶ Find the stem
  - ▶ Identifies key intent of the question
- ▶ Read all the options or answers
- ▶ Eliminate obvious wrong answers
- ▶ Select **BEST** option



# Look for Clues in The Answers

- ▶ Answers with the following words are usually **incorrect**:  
always, never, all, none,  
only, must, and completely
- ▶ Answers with the following words are usually **correct**:  
seldom, most, generally,  
tend to, probably, usually



# Getting to the Right Answers



- ▶ Do not leave any answers blank
- ▶ Look for clues in the question
- ▶ Don't get lured in by juicy answers
- ▶ Avoid imposing your life experience into the question/answer
- ▶ Keep breathing – Get up and move
- ▶ Even simple math problem should be worked out on scratch paper

# Sample Question -1

- ▶ A patient is admitted to the hospital with elevated glucose levels with a strong family history of diabetes. She is started on fluid replacement and is placed on a clear liquid diet. Her father is in the room and is very concerned. Which of the following would suggest a diagnosis of new onset type 1 diabetes vs type 2 diabetes?

- A. Hyperglycemia
- B. Polyuria
- C. Ketosis
- D. Polydipsia



# Sample Question 2

- ▶ MJ has type 1 diabetes and wants to know the possible complications that can result from hyperglycemia during the first trimester of pregnancy. Which of the following complications can result from 1<sup>st</sup> trimester hyperglycemia?
  - A. macrosomia
  - B. vascular defects
  - C. shoulder dystocia
  - D. spina bifida



# Vignette Style Question

- ▶ Read the following vignette to answer the next 3 questions.
- ▶ A 47 yr old man with newly diagnosed type 2 diabetes and hypertension. Additional known information.
  - ▶ Married, with 2 teenagers
  - ▶ Professor with a BMI of 32
  - ▶ Started on Metformin 500mg BID
  - ▶ Father died of kidney failure secondary to diabetes



# Vignette Style Question 1

- ▶ Given his age and health status, according to ADA 2023 Standards, what are his goals?
  - A. BP less than 140/90, LDL less than 100
  - B. BP less than 130/80, LDL less than 70
  - C. BP less than 120/80, start statin
  - D. BP less than 130/80, LDL less than 100



# Vignette Style Question 2

- ▶ He says finding time to exercise is challenging due to his work schedule. Using the transtheoretical model, what stage of change is he in?
  - A. Contemplation
  - B. Cost vs. Benefit
  - C. Precontemplation
  - D. Denial



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# Vignette Style Question 3

- ▶ He requests information about healthy eating. Which meal planning approach best suits this individual until he can see a registered dietitian?
  - A. Very low-calorie diet
  - B. Eliminate all concentrated sweets
  - C. Eat 3 meals a day with snacks in between
  - D. Plate Method



# Sample Question 3 – Carb Counting

JL uses an insulin pump and is carb counting using exchange list. A typical breakfast includes:  $\frac{1}{2}$  banana, 1 cup of milk, 2 tablespoons almond butter and 1 piece whole grain bread. LS's insulin to carb ratio for breakfast is 1:12, for lunch and dinner it is 1:15. Based on this, how much insulin does LS need for breakfast?

- A. 3.5 units
- B. 3.8 units
- C. 3.0 units
- D. 2.8 units

# Sample Question 4

Metformin is an antidiabetic agent different than that of sulfonylurea drugs. Some features of the drug are that it:

- A. Stimulates insulin secretion and increases hepatic glucose production.
- B. Causes hypoglycemia
- C. Lowers hyperglycemia in persons with diabetes, but does not lower blood glucose levels in people without diabetes.
- D. Results in weight gain and increase in plasma glucose levels.



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## Glucagon Treatment for Diabetes-Related Hypoglycemia



Name / Delivery	Supplied	Dose Range		Age / Route / Storage
		Adults	Peds / Age Wt Dosing	
Glucagon Emergency Kit Injection requires mixing glucagon powder + diluent filled syringe	1mg / 1mL vial + syringe	1 mg	0.03mg/kg or < 6yr or < 25 kgs   0.5mg ≥ 6yr or > 25kgs   1mg	All ages approved SubQ or IM admin Expires in 2 years at room temp.
Gvoke Injectable liquid stable glucagon solution	0.5mg/1.0mg prefilled syringe or 0.5mg/1.0mg HypoPen auto-injector	1 mg	< 2yr: not recommended 2- 12 yrs < 45kg   0.5mg ≥ 45kg   1mg 12 years or older   1mg	Approved Age 2+ SubQ admin in arm, thigh, abdomen Expires in 2 years at room temp (keep in foil pouch).
Baqsimi Nasal glucagon powder	3 mg intranasal device	3 mg	< 4 yrs: not recommended 3 mg dose for 4 years or older	Approved Age 4+ Nasal admin Expires ~ 2 yrs at room temp (keep in shrink-wrapped tube)

\*All raise BG 20+ points. Can cause nausea, vomiting. After admin, roll person on side. Seek medical help. If no response after 1st dose, give 2nd dose in 15 mins. When awake, give oral carbs ASAP when safe to swallow. Please consult package insert for detailed info.

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**Direct camera to QR  
code to get to CDCES  
app page**

# Sample question 5

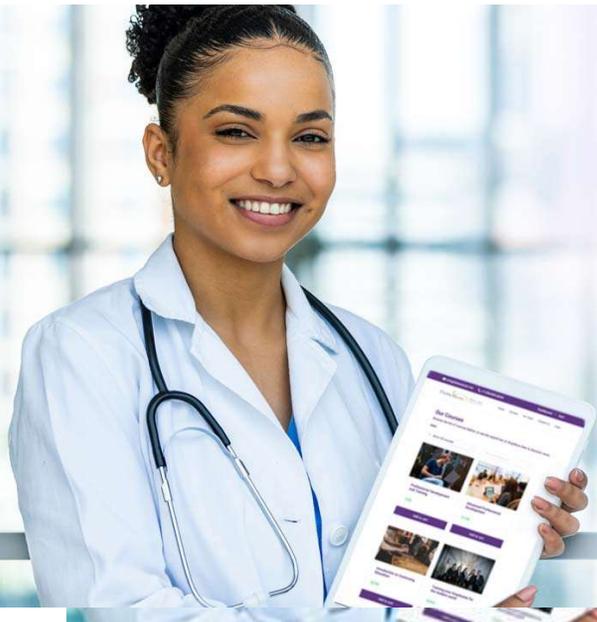
A person with type 2 is on a twice daily dose basal/bolus insulin and complains of waking up with morning headaches. If the fasting capillary BG is 291, advise person to:

- A. Increase evening dose of basal insulin
- B. Increase morning dose of bolus insulin
- C. Check 3am blood glucose
- D. Eliminate bedtime snack





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## Level 1 - Diabetes Fundamentals

### Diabetes Fundamentals Sessions 2024 Webinar Updates

All courses air at 11:30 a.m. (PT)

1. January 11, 2024 - [Class 1: Getting to the Nitty Gritty | 1.5 CEs](#)
2. January 16, 2024 - [Class 2: Nutrition & Exercise 1.5 | CEs](#)
3. January 18, 2024 - [Class 3: Meds Overview for Type 2 | 1.5 CEs](#)
4. January 23, 2024 - [Class 4: Insulin Therapy & Pattern Management | 1.75 CEs](#)
5. January 25, 2024 - [Class 5: Goals of Care & Lower Extremity Assessment | 1.5 CEs](#)
6. January 30, 2024 - [Class 6: Hypoglycemia, Sick Days, & Monitoring | 1.5 CEs](#)





## Level 2 | Standards of Care Intensive | 20 CEs

Standards of Care Intensive 2024 Webinar Updates

All courses air at 11:30 a.m. (PT)

- December 12, 2023 - Class 2: Hyperglycemic Crises, DKA & HHS Standards | 1.0 CE
- December 19, 2023 - Class 3: How to Assess Well-Being | From Populations to Individuals | 1.5 CEs
- December 21, 2023 - Class 4: Meds Management Update for Type 2 Diabetes | 1.5 CE
- February 1, 2024 - Class 1: ADA Standards of Care | 2.0 CEs
- March 27, 2024 - Class 5: Critical Assessment in Diabetes Care | Fine-Tuning Diabetes Detective Skills | 2.0 CEs
- April 11, 2024: Class 6: Microvascular Complications Prevention & Treatment | Eye, Kidney, Nerve Disease | 1.75 CEs
- April 25, 2024: Class 7: Cardiovascular Disease & Risk Management | 1.5 CEs
- April 30, 2024: Class 8: Lower Extremity Assessment | 1.5 CEs
- May 2, 2024: Class 9: Older Adults & Diabetes | 1.5 CEs
- May 30, 2024: Class 10: From Tots to Teens | Diabetes Standards | 1.5 CEs
- June 11, 2024: Class 11: Pregnancy & Diabetes | 1.5 CEs
- June 13, 2024: Class 12: Hospitals & Hyperglycemia | 1.5 CEs
- June 20, 2024: Class 13: Setting up a Successful DSME Program | 1.5 CEs



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# Level 3 | DiabetesEd Specialist 2024 Boot Camp | 12+ CEs Ready for Viewing

All courses air at 11:30 a.m. (PT)

- February 13, 2024 - Boot Camp 1: Diabetes | Not Just Hyperglycemia | 1.75 CEs
- February 15, 2024 - Boot Camp 2: Standards of Care & Cardiovascular Goals | 1.8 CEs
- February 20, 2024 - Boot Camp 3: Meds for Type 2 | What you need to know | 1.75 CEs
- February 22, 2024 - Boot Camp 4: Insulin Therapy | From Basal/Bolus to Pattern Management | 1.75 CEs
- February 27, 2024 - Boot Camp 5: Insulin Intensive & Risk Reduction | Monitoring, Sick Days, Lower Extremities | 1.75 CEs
- February 29, 2024 - Boot Camp 6: Medical Nutrition Therapy | 1.75 CEs
- March 12, 2024 - Boot Camp 7: Microvascular Complications & Exercise | Screen, Prevent, Treat | 1.75 CEs
- March 14, 2024 - Boot Camp 8: Coping & Behavior Change | 1.75 CEs
- March 19, 2024 - Boot Camp 9: Test-Taking Coach Session (48 Questions) | No CE





## Level 4 | Advanced Level & Specialty Topics | 20 CE

### Clinical Practice & Assessment

- [Class 1: Type 2 Diabetes Intensive | 2 CE](#) - Ready for OnDemand Viewing
- [Class 2: 3 Steps to DeFeet Amputation; Assess, Screen, & Report | 1.0 CE](#) - Ready for OnDemand Viewing
- [Class 3: Cancer & Diabetes | 1.25 CE](#) - Ready for OnDemand Viewing

### Insulin Calculations & Pattern Management

- [Class 4: Insulin Calculation Workshop | From Pumps & Beyond | 1.5 CE](#) - Ready for OnDemand Viewing
- [Class 5: Solving Glucose Mysteries for Type 1 | 1.5 CE](#) - Ready for OnDemand Viewing
- [Class 6: Solving Glucose Mysteries for Type 2 | 1.5 CE](#) - Ready for OnDemand Viewing
- [Class 7: Basal Bolus Therapy in Hospital | 1.5 CE](#) - Ready for OnDemand Viewing

### Beyond the Usual Diabetes Topics

- November 16, 2023 - [Class 8: From the Gut to the Butt – Exploring the GI System | 1.0 CE](#)
- [Class 9: The Impact of Adverse Childhood Experiences on Health | 1.0 CE](#) - Ready for OnDemand Viewing

### Bonus Courses

- [Class 10: What We Say Matters: Language that Respects the Individual and Imparts Hope | 0.5 CE](#) - Ready for OnDemand Viewing
- [Class 11: Mindfulness & Compassion in the Diabetes Encounter Webinar | 1.0 CE](#) - Ready for OnDemand Viewing



# Knowledge = Confidence

- ▶ Most important aspect of test taking
- ▶ Knowing the content will improve your confidence
- ▶ As you study your knowledge base expands



# CDCES / BC-ADM Success Page

Melissa is a Registered Dietitian Nutritionist based out of North Miami. She is most passionate about using her Medical Nutrition Therapy coupled with Motivational Interviewing skills to help our most vulnerable populations. Since she became a Dietitian and began working with her community, she knew she would pursue a specialization in Diabetes Management to maximize her impact and help those who need it most. She is very excited to join the CDCES community of providers!

Melissa Dolan, MS, RDN, LD/N, CDCES



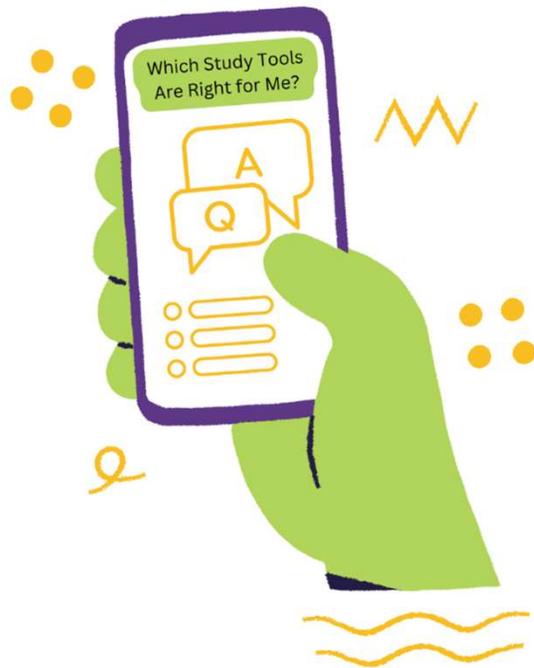
I want to thank you all for the support you give to Diabetes Educators, but also to those of us preparing for the CDCES Exam. I truly want to THANK YOU for that! I just passed my exam on June 1st, 2023. I appreciate all that you do to simplify the updates and new evidence based practice information. The cheat sheets you provided were the one thing that I would say helped really reinforce the information for me. I also watched the boot camp videos. I had less stress because of your supportive site and that helped so much! I am so honored to be able to make Diabetes easier for patients everyday.

Carolyn Fletcher, BSN, RN, CDCES



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# You are Going to Do Great!



# Thank You



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