

Topics

- Updated Definitions
- Certified Diabetes Care and Education Specialist
- Eligibility requirements
- Exam content
- Study strategies
- Test taking tips
- ▶ <u>Resources</u>



2020 Diabetes Cert Name Updates

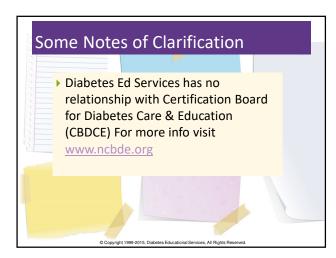
- Organization: Certification Board for Diabetes Care and Education (CBDCE) (Formerly known as National Certification Board for Diabetes Educators [NCBDE])
- Designation: Certified Diabetes Care and Education Specialist (CDCES)
- (Formerly known as Certified Diabetes Educator[®] [CDE[®]])
- Examination: Certification Examination for Diabetes Care and Education Specialists
 - (Formerly known as Certification Examination for Diabetes Educators)

Preparing For the CDCES* Exam

- · Eligibility requirements
- Test Updates
- Get ready for success



* The use of DES products do not guarantee successful passage of the CDCES exam. The Certification Board of Diabetes Care and Education (CBDCE) (formerly know as NCBDE) does not endorse any preparatory or review materials for the CDCES exam, except for those published by CBDCE.







Why Take the CDCES Exam?



- Demonstrates to people with diabetes, employers, and third party payers that the CDCES possesses distinct and specialized knowledge, thereby promoting quality of care for patients with diabetes.
- CDCES is the recognized standard for competence in diabetes self-management education.
- Given the diabetes epidemic, access to CDCESs is critical

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

Professional Practice Definition

- Program development
- Program management
- Public health/community
 surveillance
- Volunteer activities
- Diabetes related research
- Clinical roles in diabetes industry
- Case managementProfessional
- education

 Consultant roles to
- industry or other providers

2020 - Professional Practice Experience Must meet all

 A <u>minimum</u> 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 4 years in diabetes selfmanagement education with a minimum of 40% (400
- hours = about 8 hrs a week) accrued in the most recent year preceding application. AND
- Minimum of 15 clock hours of continuing diabetes education within 2 years prior to applying for certification.

Professional Degree, DSME Practice Hours, plus CE

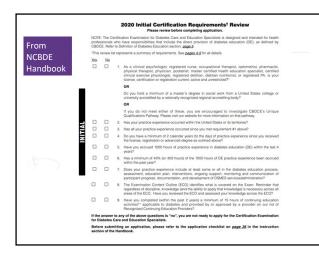
- Only experience occurring <u>AFTER</u> completing your professional degree can be counted toward the Professional Practice Experience requirement.
- Need 1000 hours of DSME Practice Hours
- If on Unique Qualifications Pathway, need 2000 hours of DSME



Unique Qualifications Pathway –

- Designed for health professionals holding an advanced degree in a health related area/concentration
- This pathway has different eligibility requirements and involves a "pre-application"
- process plus 2000 hrs DSME.
 For more: info@ncbde.org or call 877 -239- 3233





Quick Question – Multiple answers

The CDCES exam includes which of the following philosophies?

a. Motivate people to make lifestyle changes

b. Empower individuals to improve diabetes selfmanagement

c. Consider individuals needs, goals and life experiences

d. Help all people with diabetes achieve an A1c less than 7%

e. Collaborate and provide ongoing care

Diabetes Self-Management Education and Support (DSMES)

 All people with prediabetes and diabetes should participate in DSMES to facilitate the knowledge, skills and ability necessary to selfmanage their diabetes.



 DSMES provides support to implement and sustain skills and behaviors needed for ongoing self-management.

Diabetes Self Management Ed Benefits

- Improves knowledge
- Lowers A1c
- Lose weight
- Improved quality of life
- Reduced all cause mortality
- Reduced health care costs



Diabetes Self Management Ed Benefits

- Increased primary care and preventive services
- Less frequent us of acute care and hospital admissions
- More likely to follow best practice recommendations
- (esp those with Medicare)
- Only 5-7% of Medicare recipients receive DSME)

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

Poll Question

Which phrase best represents the principles for communicating with and about people living with diabetes.

A. John is non-adherent to his insulin regimen and is not taking his insulin as prescribed

B. John is in denial about his diabetes and frequently skips his insulin

C. John is taking his insulin about 50% of the time

D. John doesn't seem to care about his diabetes control at this time

Language of Diabetes Education

Old Way

- Control diabetes
- Test BG Patient

Normal BG

- Non-adherent, compliant
- American Diabetes Care.

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New Way Manage

- Check
- Participant
- ▶ BG in target range
- Focus on what they are accomplishing
- What we say matters



Definition of Diabetes Education

- It is a component of a comprehensive plan of diabetes care.
- The process incorporates the needs, goals and life experiences of the person with prediabetes or diabetes and is guided by evidence-based standards.
- Should include practical problem-solving approaches and collaborative care, address psychosocial issues, lifestyle change, and strategies to sustain selfmanagement.

Definition of Diabetes Education

Assessment: Participant's needs are identified with assessment & support of educator

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



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

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

Definition of Diabetes Education

Participant Progress: Educator 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

Critical Points to Provide Self-Management Education

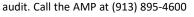
- At diagnosis
- Annually to assess education, nutrition and emotional needs
- When new complicating factors arise that influence self-management
- Transitions in care



Applying to take the CDCES Exam

At the time of your online application you will receive:

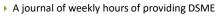
- On-line notification of either approval
- Or that you have been selected for audit
- If you are submitting a paper application, call AMP if it has been more than 4 weeks since application was mailed and you have not received notice of receipt or audit Call the AMP et (212) 205 4600





What is included in audit if requested?

- Licensure
- Documentation of Professional Practice Experience –

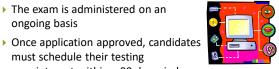


- Supervisor to verify
- CE course verification
- Employment verification signed by supervisor

Test Taking Window

> The exam is administered on an ongoing basis

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 AMP's online scheduling system
- See application booklet for more details

When will I get my results?

- > You will receive your test results the same day
- > You can retake the test as many times as needed
- Cost –
- 1st 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

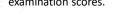


CDCES Exam First Time Pass rates

- 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%

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.





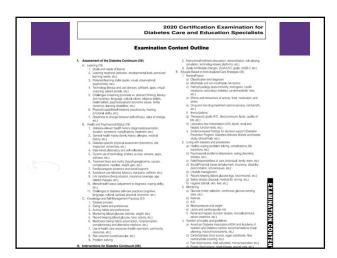
Quick Question – Multiple answers

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

Overview of CDECES 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 outline updated in July 2019



Exam Content - Assessment

Assessment (59)

- Learning (19)
- Health and Psychosocial Status (19)
- Knowledge and Self-Management Practices (21)



Exam Content - Intervention

Intervention (89)

care strategies (35)

 Collaboration with Individual, Family, Caregiver, and Healthcare Team (18)



• Meds, MNT, acute and chronic

Educate based on individualized

- complications, problem solving
- Evaluate, Revise and Document (26)
- Follow-up, support and referral (9)

Exam Content – Disease Management

- Education and Program Standards (28)
- 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

Linked-In Post directly from CBDCE posted on Linked In 2015

• Exam questions are tied directly to a task on the exam content outline.

A helpful idea- think outside your area of practice or population when reviewing the



- exam content outline
 work with an adult population think about pediatrics or gestational –
- or mainly Type 1 population think about Type 2 population.
- Look for resources (whether say c.e. activities or hard copy/online resources) that will help you address those areas of weakness.
- Hope that helps and best of luck!

Articles to Review ADA Standards of Care 2020 - This yearly publication by the American Diabetes Association outlines the goals of care for dubetes management. Since it is evidenced based, it includes a useful summary of the trials and research that the goals are based on. A must read if you are entering the diabetes field or preparing to take the CDCES or BC-ADM Exam. What Purchase ADA Standards of Care 2020 Booklet - \$20 d Diagnosis of Diabetes Mellitus 2020- One page ic criteria for diabetes. to pproaches to Glycemic Treatment 2020. This hyper or both Type 1 and Type 2 Diabetes. Section 8 of Sta ords of Care, 2020 Study? sive Type 2 Diabetes Management Algorithm 2019. This link provides to by an American Association of Clinical Endocrinologists/American Co resonance of ovid resonance of clinical Endocrinologists/American resonance of clinical Endocrinologists/ resonance of clinical Endocr ype 2 Dia betes. What we say matters | Resource page verful and can have a strong impact on perce unal Standards for Diabetes Self-Management Education and Support - A joint position stateme Diabetes Association, the American Association of Diabetes Educators, and the Academy of Nut An imnortant document to review for those providing Diabetes Self-Management Education or t 2017 Natio AADE – White F ADE 7TM Self-A must read for anyone If Care Behaviors[™] provisining (DSME/T) and care.

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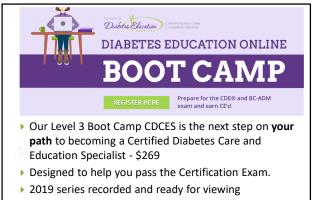
Get started>Preparing for CDCES Exam Free webinar









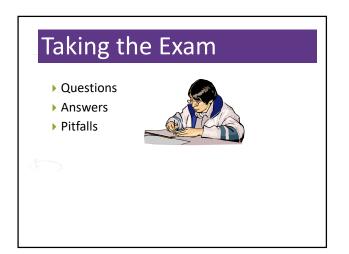


Series of 9 Courses – Live sessions start Feb 5, 2020

DiabetesEdUniversity.com



- > 13 Bonus Online Courses, Earn 13.0 CEs -
- We include the content that best helps you succeed at the Exam
- Plus 100+ page syllabus, healthy breakfast all days, gourmet lunches, CE certificates and a fun and engaging learning environment.



Reading too Fast Pitfalls

- Choosing a "good" answer, but not the right one for the stem
 - key intent of question
- Failing to read an important words (always, never, most, probably, usually)
- Choosing an answer you did not understand
- because the others seem too easy



Empowerment Errors

- Focusing on the medical need rather than the psychosocial needs
- Failing to keep in mind the patient's characteristics (age, type of diabetes, etc.)
- We are supporting efforts toward behavior change.



Thinking Pitfalls

 Over thinking question/answers

- Imaging a right answer and getting thrown when it is not among the choices
- 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

Three Types of Questions

- Recall facts, principles, procedures
- Application ie application of knowledge that varies based on pt characteristics
- Analysis integration or synthesis of a variety of concepts or elements (ie evaluating complex problems with many variables.
- .



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

application

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 1st 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.
 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 what you know about this person, what emotions would you expect him to express?
 - A. Fear of hypoglycemia
 - B. Reluctance to start on insulin
 - C. Panic disorder
 - D. Fear of complications

analysis

analysis

Vignette Style Question 2

- What is most likely to be a potential barrier to lifestyle change?
 - A. Difficulty exercising
 - B. Excessive alcohol intake
 - C. Teenage children
 - D. Long work hours

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. Low carb meal plan
- B. Eliminate all concentrated sweets
- C. Eat 3 meals a day with snacks in between
- D. Mediterranean Diet

application

Sample Question 3

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

- A. Stimulates insulin secretion and increases hepatic glucose production.
- B. Causes hypoglycemia
- 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.

recall





Sample question 4

- 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, this person should be advised to:
- A. Increase evening dose of basal insulin
- B. Increase morning dose of bolus insulin
- c. Check 3am blood glucose
- D. Eliminate bedtime snack

analysis

Study Habits

- Find your best time of day to study
- Determine your learning style
- Auditory discussion, study groups, tapes
- Visual books, handouts, notes, videos
- Kinesthetic workshops, demonstration
- Set up a study space
- Set up a study plan
 - Schedule your time
 - Make an appointment with yourself



Study Group

- > Set a location, time and schedule
- Have an agenda
- Set the rules
 - Everyone does their share
 - Everyone commits to attend
- Can be a great source of moral support and can help decrease test anxiety

Study Time

- Review of what you know: 30 to 40%
- Learning new materials: 60 to 70 %
- CDCES prep courses, flash cards & sample tests
- Teach the content to someone else
- Use down time/waiting time productively



Knowledge = Confidence

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







Combating Test Anxiety

- Positive thinking and affirmations
- Use relaxation techniques we teach pts
- Take practice exam
- Rest well night before
- Know how to get to test site
 Arrive at exam room early



Know your stuff – self-study or courses



- 21 CEs for the Live Seminar plus
- 13 Bonus Online Courses, Earn 13.0 CEs –
- We include the content that best helps you succeed at the Exam
 Plus 100+ page syllabus, healthy breakfast all days, gourmet lunches, CE certificates and a fun and engaging learning environment.

CDCES Success Page

Here are some of our CDCES Success Stories!



"I was so thankful to have these resources to prep for my CDCES exam. I passed on the first tryl found the prep overwhelming, that I honestly did not know where to start. Beverity's program maps out a clear study path, and provides excellent teacures. For me, having the audio and visual presentations were key to helping me remember the information. Bevery has an accellent teaching style, and an encouraging spirit. Her sample questions were so similar to the actual test questions. I highly recommend this program and have suggested it to several of my peers. Thank you, thank you, thank, you, thank, you, thank, you, thank you, thank, you

Enroll at www.DiabetesEdUniversity.com





