

Preparing For the CDE® Exam

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



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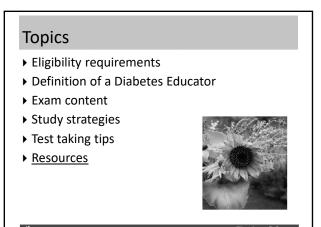


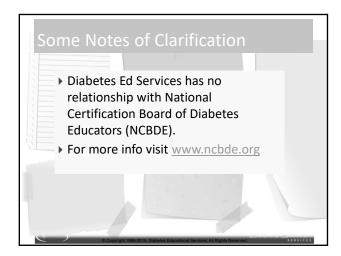
Diabetes Lucatio

Who is with us today?

- ▶ Nurses 21
- ▶ Dietitians 18
- ▶ Case Managers 11
- ▶ Nurse Practitioner 10
- Diabetes Educators -6
- ▶ Health Educators -3
- ▶ Pharmacists 2
- ▶ CEO 1 Medical laboratory scientist 1
- ▶ Podiatrist 1
- ▶ Exercise Physiologist -1





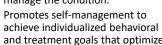




Why Take the CDE® Exam ▶ Demonstrates to people with diabetes, employers, and third party payers that the CDE® possesses distinct and specialized knowledge, thereby promoting quality of care for patients with diabetes. ▶ CDE® is the recognized standard for competence in diabetes self-management ▶ Given the diabetes epidemic, access to CDE®s is critical

What is a CDE®? ▶ A health care professional with comprehensive knowledge and experience in diabetes management, pre-diabetes, and diabetes prevention.

- ▶ Educates and supports people w/ diabetes to understand and manage the condition.
- ▶ Promotes self-management to achieve individualized behavioral and treatment goals that optimize health outcomes.

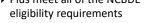




From NCBDE Handbook					
Yes	Nο				
		1.	As a clinical psychologist, registered nurse, occupational therapist, optometrist, pharmacist, physical therapist, physician, podiatrist, master certified health education specialist, certified clinical exercise specialist, registered clinical exercise physiologist, registered dietitian, delitian nutritionist, or registered physician assistant, 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 NCBDE's Unique Qualifications Pathway. Please visit our website for more information on that pathway.		
		2.	Has your practice experience occurred within the United States or its territories?		
		3.	Has all your practice experience occurred since you met requirement #1 above?		
		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 (within the last 4 years)?		
		5.	Have you accrued 1,000 hours of practice experience in diabetes self-management education (DSME) within the last 4 years?		
		6.	Has a minimum of 40% (or 400 hours) of the 1,000 hours of DSME practice experience been accrued within the past year?		
		7.	Have you completed a minimum of 15 hours of continuing education activities** applicable to diabetes within the past 2 years?		

New- Health Educators





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2017 - Professional Practice Experience -Must meet all

• 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 4 years in diabetes self-management education with a minimum of 40% (400 hours = about 8 hrs a week) accrued in the most recent year preceding application.
- ▶ Minimum of 15 clock hours of continuing diabetes education within 2 years prior to applying for certification.



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





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



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Practice hours through Volunteering

- ▶ 1000 of the needed professional practice hours can be gained through providing DSME as a volunteer
- ► Supervisor must attest that DSME provided meets criteria





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On the Other Hand

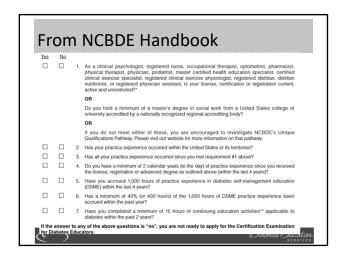


 These are some activities that don't count toward practice hours.



Professional practice experiences NOT considered diabetes education Demonstration of a skill that does not include some or all of the components of the DSME Process supervising and managing other professionals Providing medical assessment, diagnosis or treatment Conducting/ participating in research activities in which the individual is not involved in DSME Dispensing/ prescribing meds, unless part of DSME process

Not Considered diabetes education experience cont'd Promoting or selling medications, diabetes supplies or products Providing continuing education to professionals Membership and committee work in professional organizations Having diabetes or caring for family member w/diabetes Diabetes-related volunteer activities that do not include some or all of the components of the DSME Process



Quick Question – Multiple answers

What are some of the underlying themes of the CDE exam?

- a. CDEs support people in making behavior change
- b. CDEs empower patients to improve diabetes self-management
- c. CDE's consider the individuals needs, goals and life experiences
- d. CDE's help all people with diabetes achieve an A1c less than $7\%\,$
- e. CDEs collaborate and provide ongoing care



Diabetes Education



Definition of Diabetes Self-Management Education (DSME)

- Health professionals who have appropriate credentials and experience
- It involves person with prediabetes or diabetes, caregivers and educator
- Defined as ongoing process of facilitating the knowledge, skill, and ability necessary for self-care.



Definition of DSME (cont'd) ► Is a component of a comprehensive plan of diabetes care. ► Incorporates needs, goals and life

- evidence-based standards.Goal is to support
 - > informed decision-making,

experiences and is guided by

- > self-care behaviors,
- problem-solving and
- active collaboration with health care team to improve clinical outcomes, health status, and quality of life.



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DSME Defined for Practice Experience

▶ For purposes of certification eligibility, some or all of the following components of the DSME process may be performed and counted towards meeting the DSME practice experience requirement:





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What's included in DSME?

- 1. Assessment and education plan developed by individual and educator(s) to direct
- appropriate educational interventions and
- ▶ self-management support strategies.
- 2. Educational interventions to help individual
 - achieve self-management goals.
- 3. Periodic evaluations to determine if goals met
- 4. Personalized follow-up plan
- 5. Documentation
- 6. Program development and admin provided in support of the diabetes patient education.



Applying to take the CDE® 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 at (913) 895-4600







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



Diabetes Education

Test Taking Window

- ▶ Starting on January 1, 2017
- ► 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 AMP's online scheduling system
- See application booklet for more details



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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

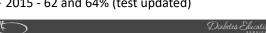
- ▶ Reported as raw and scaled scores
 - ▶ Raw score: number of right answers
- ▶ Scaled score: statistically derived from the raw score
- ▶ Total score determines pass/fail and is reported as a scaled score ranging between 0 and 99
- ▶ To pass: 70 scaled score units





CDE® Exam Pass rates over time

- **▶** 2007 81%
- **▶** 2008 80%
- ▶ 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)



Overview of CDE® Exam



- ➤ Composed of 200 multiple-choice, objective questions with a total testing time of four (4) hours.
- Based on job analysis completed in 2013, which surveyed diabetes educators about the tasks they performed.



Diabetes Education

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.



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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



Exam Content

- ▶ Assessment (60)
 - ▶ Learning/Self-Care Behaviors (20)
 - ▶ Medical, Psycho-Socioeconomic and Health Status (20)
 - ▶ Current Knowledge and Self-Management Skills (20)







Exam Content

- ▶ Intervention (89)
 - Collaboration with Patient, Family, Caregiver, and Healthcare Team (16)
 - ► Teach/Counsel Regarding Principles of Diabetes Care (50)
 - ▶ Evaluate, Revise and Document (17)
 - ► Follow-up and Referral Recommendations (6)





Exam Content

- ▶ Education and Program Standards (26)
 - National Standards for Diabetes Self Management Education (8)
 - ▶ Clinical Practice (16)
 - ▶ Inpt and Outpt Standards for ADA, AACE
 - ▶ Promote Diabetes Advocacy (2)



▶ For detailed outline look in Testing Handbook



Hope you don't mind a post directly from NCBDE posted on Linked in 2015

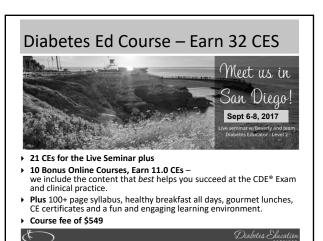
- Exam questions are created using any number of resources/references and each question has to be tied directly to a task on the exam content outline.
- A helpful idea- think outside your area of practice or population when reviewing the exam content outline
 work with an adult population - think about pediatrics or gestational –
- or mainly Type 1 population think about Type 2 population.
- Then look for resources (whether say c.e. activities or hard copy/online resources) that will help you address those areas of weakness.
- The Exam handbook has information about preparing for the exam, including the exam content outline.
- ▶ Hope that helps and best of luck!

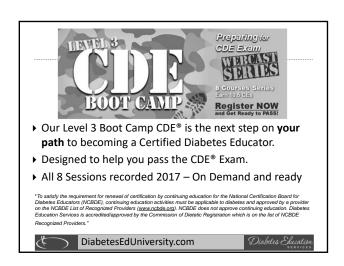


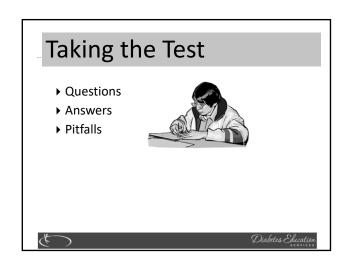
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What to Study? Articles to Review § Indicates very important info to review in preparation to become a CDE® § ADA Standards of Care 2017 – This yearly publication by the American Diabetes Association outlines the goals are to be seen of nature and if you are entirery the diabetes find or preparing to take to CDE® or ECAMD Exam. § Standards of Care Summary of Revisions – This brief review highlights the changes made to the Standards from 2016 to 2017. § ADA Primary Care Abridged Standards Of Care 2017 - A summary of key points and updates in the yearly publication by the American Diabetes Association. § Review CDE® is Exam Outline – This 2 page document details the content of the exam. Use this tool to rate your knowledge in each of the content areas. § Screening and Diagnosis of Diabetes Management Algorithm 2016. A salide set summary of the ACE/AACE statement by an American Association of Clinical Enforcient Controllogists/American College of Enforcingoing Consensus Panel on Type 2 Diabetes Mellius. Encourage all those planning to take CDE® exam to review this into carefuly. § AACE – CLINICAL PRACTICE GUIDELINES FOR DEVELOPING A DIABETES MELLITUS COMPRETENTIAL TRACTICE GUIDELINES FOR DEVELOPING A DIABETES MELLITUS COMPRETENTIAL FARCTICE GUIDELINES FOR DEVELOPING A DIABETES MELLITUS

AADE – The Art and Science and Review Guide New Art and Science - 2017 Our Pre Order Price: \$229.00 Both Books for \$279 2015 Review Guide: Includes 400 questions • 2 practice exams, New questions • Test taking tips • Self-Assessment DiabetesEd.net>Books and Study







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 patients efforts toward behavior change.





Thinking Pitfalls

- ▶ Imaging 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



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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



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

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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, obese
 - ▶ Started on Metformin 500mg BID
 - ► Father died of kidney failure secondary to diabetes





Vignette Style Question 1

- ▶ Given what you know about this patient, 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



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Vignette Style Question 2

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



analysis

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Vignette Style Question 3

- ➤ The patient requests information about healthy eating. Which meal planning approach best suits this individual until he can see a registered dietitian?
 - A. 1,200 calorie exchange plan
 - B. Avoid all concentrated sweets
 - C. Eat 3 meals a day with snacks in between
 - D. Healthy eating based on the "My Plate" method

▶ application



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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
- c. Lowers hyperglycemia in persons with diabetes, but does not lower blood glucose levels in people without diabetes.
- Results in weight gain and increase in plasma glucose levels.

recall



Diahetes Education

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



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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



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Study Time

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





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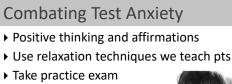
Knowledge = Confidence

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





201 Test Questions	
Diabetes Education ONLINE UNIVERSITY Includes: 2 On Demand Course	DiabetesEdUniversity.com \$49 for both (201 Questions) s plus 201
Computerized Test Questions This Deluxe Toolkit is designed to prepare you for CDE® 3	
 Preparing for CDE® Exam Course + 100 Question Overview the demand course that details the content of the exam, test taking tips goal. Plus, you have access to a 100 question computerized pract questions and other critical content that will prepare you for the act. 	s and strategies to achieve your CDE® ice exam that provides vignette based
 OBE® Test Taking Strategies Course + 101 Standards of Care on demand course and 101 newly constructed multiple choice test Diabetes Standards of Care. Designed to test your knowledge of to prepare you for the CDE® Exam. In this course, Beverly explains in the wrong answers and avoid getting fuer on by juecy answers. 	Practice Test – includes a 60-minute questions inspired by the American he 15 Critical Content areas and help
	Deluxe Exam Prep Toolkit.



- ▶ Rest well night before
- ▶ Know how to get to test site
- ▶ Arrive at exam room early
- ▶ Know your stuff self-study or courses





AADE – The Art and Science and Review Guide			
New Art and Science - 2017 Our Price: \$239.00 Both Books for \$289 2015 Review Guide: Includes 400 questions • 2 practice exams, New questions • Test taking tips • Self-Assessment	Diabetes Ed-Hunagement Education Desk Reference August State Desk Reference August Sta		
DiabetesEd.net>Books and Study	Diabetes Education		

