

PREPARING FOR THE CERTIFIED ASTHMA EDUCATOR EXAM (AE-C)



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ASTHMA PROGRAM COORDINATOR. UTAH COUNTY HEALTH DEPARTMENT

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Our Speaker

ANDREA M. JENSEN

WHO IS ELIGIBLE TO SIT FOR THE AE-C® EXAM?



Licensed or credentialed health care professionals

OR

Provide direct patient asthma education and counseling (minimum of 1,000 hours)

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LICENSED HEALTHCARE PROFESSIONALS



- Physicians (MD, DO)
- Physician Assistants (PA-C)
- Nurse Practitioners (NP)
- Nurses (RN, LPN)
- Respiratory Therapists (RRT, CRT)
- Pulmonary Function Technologists (CPFT, RPFT)
- Pharmacists (RPh)
- Social Workers (CSW)
- Health Educators (CHES®)
- Physical Therapists (PT)
- Occupational Therapists (OT)

1,000 HOURS PROVIDING EDUCATION



- Must have 1,000 hours to sit for the exam and recertify
- Documentation required
 - Where
 - When
 - Direct patient education only

- Approved by supervisor
- Can be audited



Supervisor contacted by NAECB

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WHY TAKE THE EXAM?





Lend expertise for projects

 Some agencies may use the AE-C® certification as a basis for employment, job promotions, salary increases, etc



WHAT DOES THE EXAM COST?

IST ATTEMPT \$350

2ND ATTEMPT \$250

RECERTIFICATION \$300

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SCHOLARSHIPS!

Allergy & Asthma & As

- EXAM SCHOLARSHIP
- RECERTIFICATION
- NAECB Linda B. Ford Scholarship
- 2 scholarships (\$300)

- 4 scholarships (\$350)
 - -April and September
- Use within 6 months

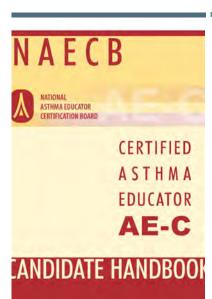


WHERE DO YOU TAKE THE EXAM?



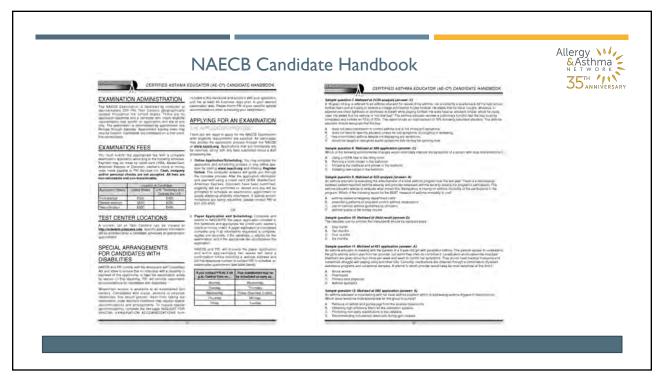
- 300 testing centers (H & R Block, etc)
- Link to Assessment Centers on website.
 - Can apply and pay the fee at anytime
 - By appointment only Monday Saturday (times vary by location)

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HOW TO GET STARTED

- Visit https://naecb.com
- Click on "Certificants"
- Go to "Get Certified"
- Print out "Candidate Handbook" (Linked to this page)

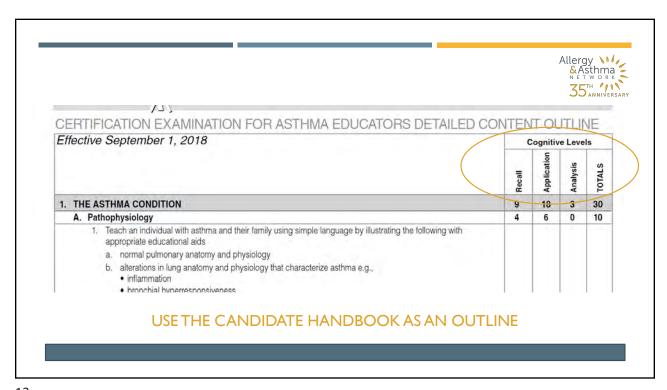


HOW DO YOU APPLY FOR THE EXAM?





- Register on-line or use a paper application through NAECB
- Must review and accept the Code of Conduct during the registration (failure to do so will prevent registration)



TEST QUESTIONS





Recall or recognize specific information



Application (AP)

Comprehend, relate or apply knowledge to new or changing situations



Analysis (AN)

Analyze information, determine solution and evaluate solution

PRACTICE EXAM

- Parallels the actual exam
- 75 multiple choice questions (\$75)
 - ½ the number of questions
 - Passed practice exam 🔁 passing actual exam
 - Available for 90 days can only be taken once
 - Time yourself! (About I minute per question)



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175 QUESTIONS

150 SCORED

25 PRE-TEST QUESTIONS

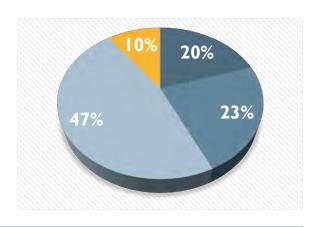
3 HOURS



CONTENT OUTLINE

Allergy & Asthma NETWORK
35TH

- Asthma Condition
- Patient & Family Assessment
- Asthma Management
- Organizational Issues



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TEST PREPARATION

- Ask a current Asthma Educator to be your "coach" & support system
- Gather study aids
- Know your learning style
- Best time for you to learn?

TEST PREP COURSES (NOT FOR PROFIT)





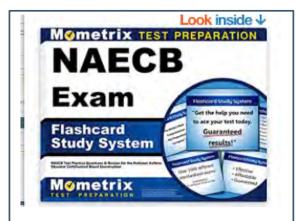




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STUDY TIPS





- Preprinted
- From Candidate Handbook:
 - Asthma Condition 20%
 - Patient and Family Assessment 23%
 - Asthma Management 47%
 - Organizational Issues 10%

EXAMPLE OF FLASH CARD



■ Side I:

The Asthma Condition

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Describe the components of an asthma episode and explain them to a patient using simple terminology.

■ Side 2:

The Asthma Condition

An asthma episode is comprised of three effects on the pulmonary system: bronchoconstriction, inflammation, and mucus production. During an asthma episode, the smooth muscle surrounding the bronchioles constrict, often in response to the exposure of an asthma trigger. This effect causes the bronchial tubes to become smaller and therefore harder to get air through. The muscle of the bronchioles also becomes inflamed and swollen, resulting in chest pain and a feeling of chest tightness when breathing. The third component of an asthma episode is mucus production. During an asthma exacerbation, the bronchioles excrete mucus, which can plug the tubes that carry air and oxygen throughout your lungs. These bronchioles also spasm, causing the tubes to close off and further restrict your breathing. Many people say that these effects feel like breathing through a straw or having an elephant sit on their chest.

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ONLINE FLASH CARDS





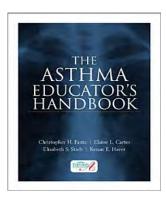


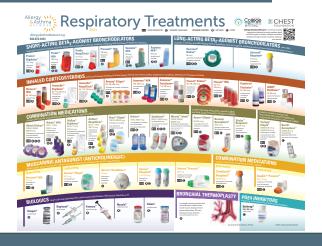


Create your own online cards - fee involved?

EXTRA STUDY HELPS







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SAMPLE QUESTION



Immunoglobulin E (IgE) is a type of antibody made by B lymphocytes. It is important in asthma because:

- 1. It binds to the surface of mast cells and can activate them when a specific allergen attaches to it.
- It has the ability to bind allergens, helping mast cells digest them and remove them from the airways
- 3. It binds to bacteria, helping mast cells and lymphocytes fight respiratory infections more effectively
- 4. It can be used as a diagnostic test for asthma
- 5. It is a powerful chemoattractant, drawing eosinophils into the airway

ANSWER:

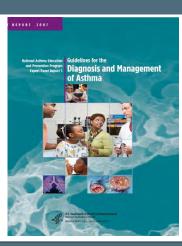


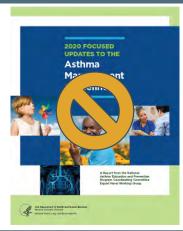
- The correct answer is #I.When IgE antibody molecules bind to the specific allergen that they were designed to recognize, they activate the mast cells on which they sit and thereby initiate the allergic reaction. This reaction is important not only in asthma but in other allergic diseases that share this common mechanism, referred to as atopic disease (allergic rhinitis and conjunctivitis, atopic dermatitis, hives and anaphylaxis.
- Also explains why the other 4 answers are not correct

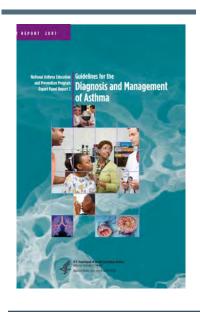
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TESTED ON EPR 3 GUIDELINES









EPR 3 CLASSIFICATIONS



Intermittent vs

Mild Persistent Moderate Persistent Severe Persistent

Guidelines organized for 3 age groups:

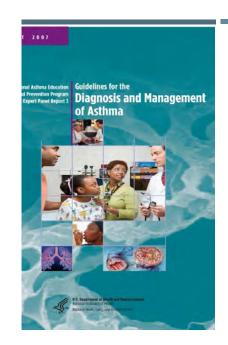
Ages 0-3

Ages 4-11

Ages 12 and up



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EPR 3 CLASSIFICATIONS

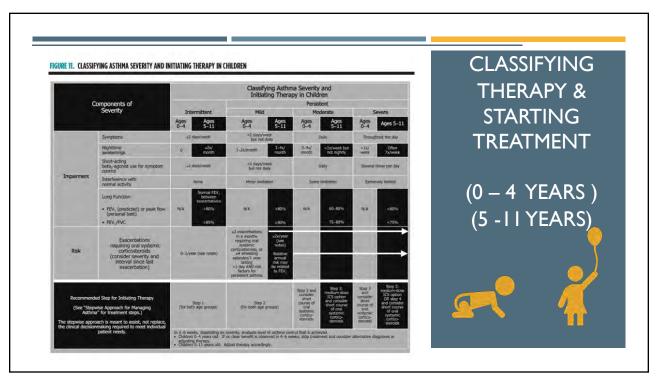
3 key areas for each group

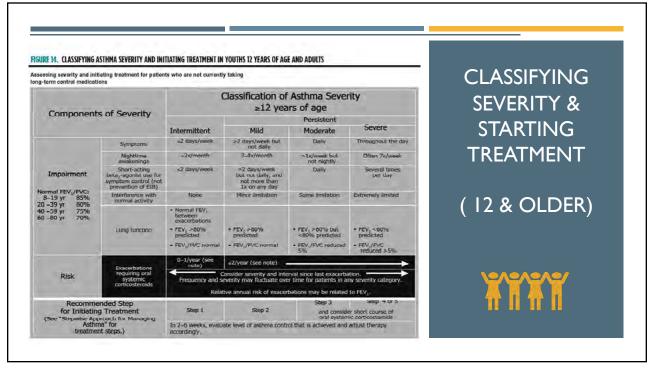


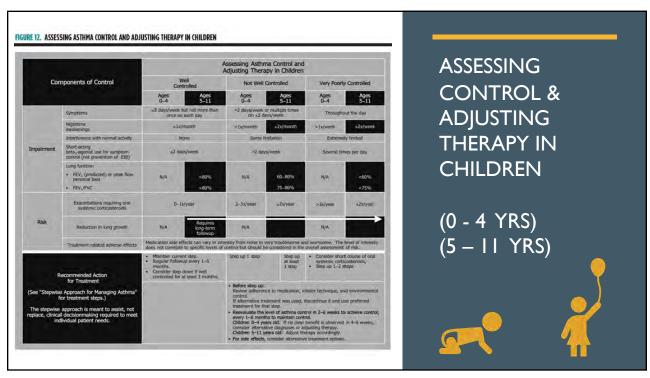


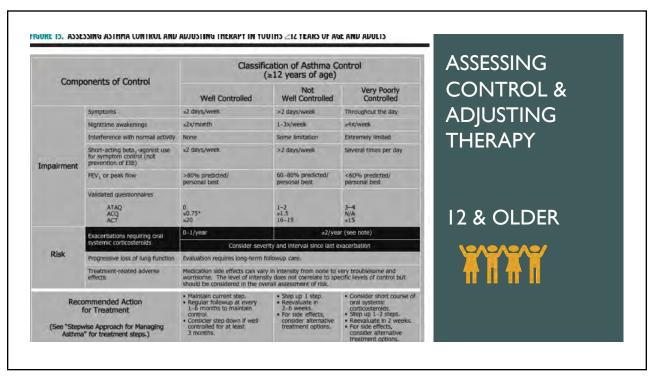


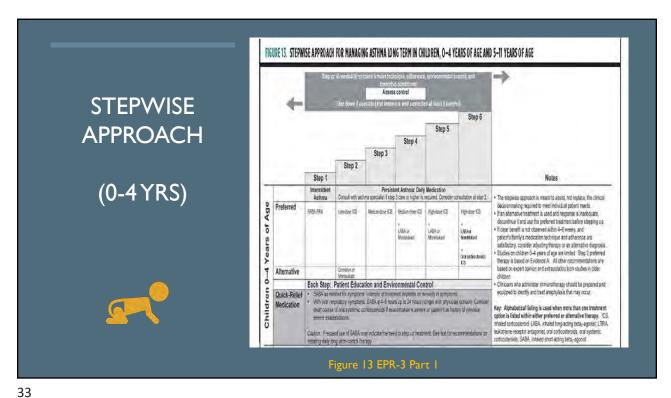
- determine severity
- assess control
- utilize a step-wise approach
- Be able to analyze patients and care based on EPR 3 guidelines



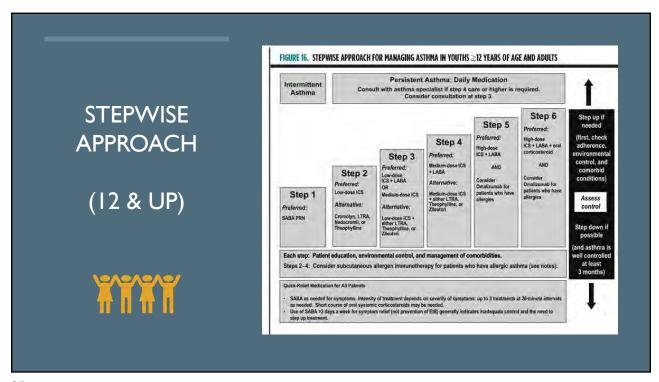


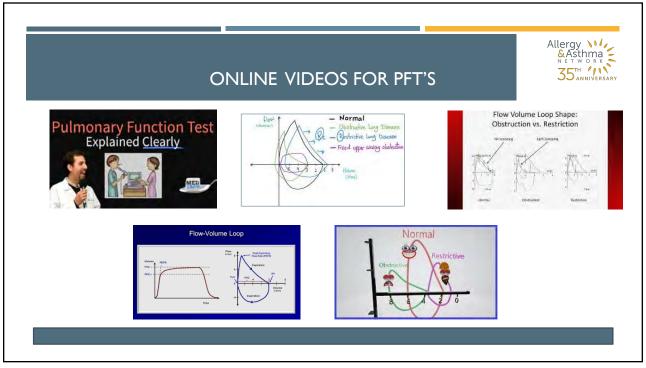






namy taly long less contra theap Paraistant Author: Daily Medication The segwise approach is meant to assist, not replace, the division and fishing 4 care or higher is required. Consider consuminar at step 1. depayment regured to meet individual patient needs. Preferred Bonne G (avanto) (area)(S Honou CS Aprila CS · If an attenutive positivers is used and response is inadequate deconinue it and use the preferred healthest before stepping up. ABO UBATEL P [454 188 Theophyline is a less descrable attenuative due to the need to Temás STEPWISE APPROACH Oxonusero. months serum constitution levels. Steps 1 and 2 medications are based on Evidence A. Step 3 ICS. 0 Alternative and ICS plus adjunctive therapy are based on Evidence 9 for British III Dones IX HOLDERE Hydrat 12 Years efficacy of each treatment and estrapolation from comparator trials in older children and adults-correspon trials are not available for (Black LTEN (May the age group steps 4-5 are based on expert opinion and **Twitthe** subspolition from studies in close children and adults. (5 - IIYEARS)5-11 Immunotherapy for pleas 2-4 is based on Evidence 8 for house-Each Step: Patient Education, Environmental Control, and Management of dust miss amost dances, and polimic evidence is well to lacking for males and cookreaches. Evidence is intervest for Children mounthings with single plagers. The role of sterry in arthris. Steps 2-4: Consider subcutaneous allergen immunotherapy for patients who have it omite a chiber than adults. persistent, allergic asthma. Circles who administer immunotherapy should be prepared and Quick-Relief . SASA as record for sympatra, intends of descript depends or sevents of sympatra, as in epipoid's deetly and test analysis shat may cook Newmort & 20 minut impose a needed Stat more of our instruction market may be Medication Key: Alphabetical listing is used when more than one treatment aption is listed within either preferred or alternative therapy, VCS. Caster incoming set if \$450 is not 12 caps it well by symptom will not prevented \$550 years by enaled concessmed, LASA, inhaled long-acting betal-agonat, LTRA, made ralepaid and a regime of latery ealcriese receptor antagonat SABA, intoled short-excing bette-







BEFORE THE EXAM



- Explore the route beforehand
 - Rush hour traffic?
 - Roads closed?
 - Construction?
- Same time of day as scheduled
- Sleep well the night before

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DAY OF EXAM



- Have a good breakfast
- Don't bring belongings
- Visit bathroom before test
- Bring 2 forms of ID

- Pencil & paper (turn in at end)
- Picture will be taken during test
- Video monitored during test



COMMON TEST TAKING STRATEGIES



- What are they specifically asking in question?
- Watch for NOT, EXCEPT, etc
- What would you do FIRST?
- Which answer is MOST right?
- Answer based on EPR-3



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COMMON TEST TAKING STRATEGIES



- Answer the easy questions first
- Reviewing other questions may help you answer previous questions
- Write down question number skipped so you can go back

- Don't miss any questions (check list)
- Blank questions marked wrong guess if you need to!
- Watch the clock



MULTIPLE CHOICE QUESTIONS







DETERMINE THE CORRECT ANSWER BEFORE YOU LOOK AT THE OPTIONS



CLUES IN THE STEM



DISTRACTORS – CROSS OFF INCORRECT ANSWERS IMMEDIATELY



COME BACK TO ITEMS YOU WERE UNSURE OF

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WHEN YOU'RE DONE

- Immediate results!
- Call your coach/family/friends with your results either way
 - The test is HARD there is NO SHAME in not passing!
 - Celebrate if you pass
 - Plan to take it again if you didn't pass
- Be proud of yourself for taking this step either way

CERTIFICATION PERIOD



- 5 years after taking and passing the certification exam
- The NAECB board recently reduced time from 7 years to 5 years
- Prior to June 1, 2020, valid for 7 years. After that date will maintain their certification for 5 years
- Recertifying by CEUs remains unchanged at 5 years

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RECERTIFCATION

- Re-certification:
 - By exam OR
 - 35 CE's needed every five years
 - Will cost \$300
- Certificants may renew by up to one year prior to the expiration of initial certification

CONTINUING EDUCATION EVENTS THAT OFFER CEU (NOT ENDORSED OR AFFILIATED WITH NAECB)



Please contact NAECB at info@NAECB.org to have future events posted here.

Websites and information about national conferences:

Medscape

American Association of Respiratory Care

American Academy of Allergy, Asthma & Immunology

Association of Asthma Educators

Asthma and Allergy Foundation of America

American Lung Association's Asthma Educator Institute

Work-Related Asthma: Recognition and Diagnosis

https://naecb.com/certificants/certificant-corner/

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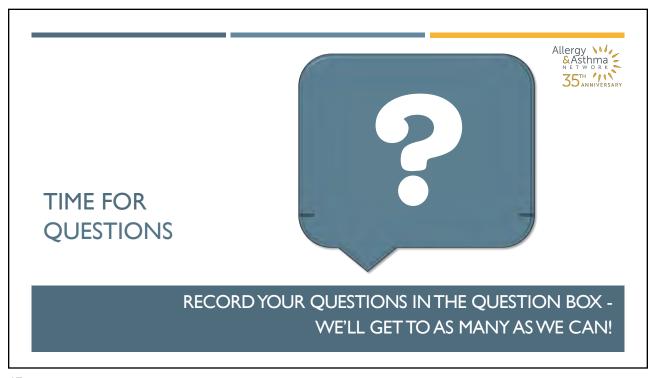
ASTHMA EDUCATORS

Experts in:

- Educating
- Counseling
- Assessment

Asthma Educators make a difference -

We can help to minimize the impact of asthma on our patient's quality of life





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FOR MORE INFORMATION, VISIT ALLERGYASTHMANETWORK, ORG