Continuous Assessment Program (CAP) Overview

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MOC Examination Co-Chair, MOC Program Co-Chair

Disclosures

• ABAI Board of Directors, Secretary, and CAP-Co-Chair and MOC Co-Chair
• AAAAI Board of Directors
• Consulting GSK, Genentech, Novartis, Sanofi, Regeneron, Teva, GSK asthma therapies
• NIH funding
ABAI MOC requirements as outlined by ABMS

• Part I - Professional Standing
  • Valid, unrestricted medical license
  • Annual MOC fee
  • Update demographic and contact information annually

• Part II - Lifelong Learning and Self-Assessment
  • Attest to completing 25 CME credits annually
  • Complete an ABAI-approved Patient Safety Module once every 10 years.

• Part III - Cognitive Expertise
  • Participation in Continuous Assessment Program (CAP)

• Part IV - Practice Performance Assessment
  • Complete 1 practice assessment/quality improvement module every 5 years

MOC Part III
Cognitive Expertise - CAP

• Objective: demonstrate the fundamental, practice-related and practice environment-related knowledge to provide quality care in their specialty

• CAP replaced the 10 year recertification secure exam

• The last MOC secure examination was in 2017
**CAP Timeline**

- **Spring 2016** – Administered MOC diplomate survey regarding proctored MOC exam
- **Fall 2016** – Board approved CAP development and email was sent to diplomates
- **2016** – ABAI Board of Directors & ABMS approval as “all-in” pilot
  - All Diplomates with valid time-limited or time-unlimited certificate already enrolled in MOC
  - Open offer to Diplomates with a time-unlimited certificate not enrolled in MOC
  - Final planning, Platform preparation, Last 10 year high stakes exam
- **2017** – CAP Development
- **2017** – Diplomates received email announcing CAP launch date for 2018
- **2018** – CAP Launch January 1
  - Blocks 1 & 2, stakeholder feedback solicitation
- **2019**
  - Blocks 1 & 2, all-user survey
  - Individual progress meter
- **2020**
  - Block 1 (Diplomates enrolled in CAP received credit for Block 2 due to COVID)
  - ABMS approved CAP program

**CAP Program Overview**

- **5-Year Cycle**
  - **Year 1** Questions
  - **Year 2** Questions
  - **Year 3** Questions
  - **Year 4** Questions
  - **Year 5** Questions
  - **Summative Score**
    - % correct of 320 questions from top 8 blocks
    - Two lowest scoring blocks are dropped

- **Successful candidate**
  - Aggregate score of 80% from top 8 blocks at end of each 5-year cycle

- **Unsuccessful candidate**
  - Failing to achieve 80%
  - Not participating (0 each block)
  - Directed to re-entry pathway
  - Unable to renew time limited certificate until reentry & all MOC requirements completed

- **Notes**
  - Score of 0 for blocks with no participation
  - Score of total # correct for incomplete blocks regardless of # attempted/completed
  - Grace period: drop 2 lowest scoring or missed blocks within each 5-year summative cycle for major life events, professional commitments, brushing up, etc.
Article Based + Core Knowledge Questions

- Every 5 months
- Open book
- Personal device
- Correct answer is visible after question submission - immediate feedback given after each core question explaining why answer is correct and other options are incorrect - your feedback on relevance to practice & confidence in answering each question
- 6 CME Credits upon completion of each block subject to requirements of CME providers (ACAAI & AAAAI)
- 5-year summative decision

O N E Y E A R

1st 5-Month Block
February 15 - July 15

Article Based
Choose 10 articles
Answer 3 Questions per Article
30 Questions

Core/General Knowledge
Answer 10 Questions

40 Questions Total

2nd 5-Month Block
August 15 - January 15

Article Based
Choose 10 articles
Answer 3 Questions per Article
30 Questions

Core/General Knowledge
Answer 10 Questions

40 Questions Total

80 Questions Annually

CAP Content Categories

A. Hypersensitivity Disorders (epidemiology, risk factors, pathogenesis, clinical presentation, diagnosis and differential diagnosis, treatment/management)

1. Head and Neck – Nasal (allergic and non-allergic rhinitis) / sinus (acute and chronic, NP, allergic fungal sinusitis) / eczema

2. Dermatologic – Eczema / Atopic Dermatitis / Contact Hypersensitivity / Urticaria / Angioedema (hereditary and acquired)

3. Lung – Asthma and related disorders (occupational disease, ABPA, hypersensitivity pneumonitis, eosinophilic granulomatous polyangiitis (CSS), COPD, ILD)

4. Food and Drug Allergy/Hypersensitivity Reactions (not including eosinophilic GI disease)

5. Anaphylaxis (not food or drug-related) – Idiopathic, exercise, latex, stinging insect / Mastocytosis / Mast cell disorders

B. Immunological Disorders (epidemiology, risk factors, pathogenesis, clinical presentation, diagnosis and differential diagnosis, treatment/management)

1. Immune Hypersensitivity Disorders – includes immune complex, autoinflammatory, and autoinflammatory (febrile) disorders; other aspects of immune-mediated inflammation (e.g., vaccination, immunotherapies for neoplasia)

2. Immunodefiencies – including SCID, CID, T cell disorders, Humoral – B cell disorders (hypergammaglobulinemia, antibody deficiencies; phagocytic disorders, complement disorders, and secondary immunodeficiencies)

3. Eosinophilic and Gastrointestinal Disorders – Eosinophilic gastrointestinal disorders, HES, others

C. Emerging National Health Priorities – Current high impact topics that cross multiple specialties and impact clinical practice. (Examples include, but are not limited to COVID-19, opioid crisis, physician burnout, disparities of care and implicit and explicit bias, etc.)
Start CAP

Log onto portal page

- Every 5 months
- Block 1: February 15th – July 15th
- Block 2: August 15th – January 15th

Participant Agreement

- Diplomate Attestation
- Personal identity
- Item security
  - Articles can be read individually or as a group
  - Must answer CAP questions independently
- Scoring confidentiality
Question Selection

• Choice of articles
  • Choose 10 articles, answer 3 questions per article
  • All articles are available to download

• 10 core question choice
  • Categories can be selected up to two times

• Timer for questions
  • Starts only when you say you are ready
  • Can't be paused
  • Last marked response used if no submission at 10 minutes

CAP Strategies

• Download all articles for future review as articles are not accessible after CAP completion

• Read and highlight each article as needed

• Know where in the article to go back to when needed

• Attend ACAAI and AAAAI sessions at annual meetings to review important parts of articles selected for CAP. Will give Diplomate thorough review of article
## CAP Strategies

- System delay may occur due to volume near block end date *do not procrastinate*
- Sign out of portal at the end of each session
- Do not use back button after you have chosen an answer

## Diplomate CAP Participation & Scoring

<table>
<thead>
<tr>
<th></th>
<th>2018 Block 1</th>
<th>2018 Block 2</th>
<th>2019 Block 1</th>
<th>2019 Block 2</th>
<th>2020 Block 1</th>
<th>2021 Block 1</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Total Participants</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td># Completing in each block</td>
<td>2,720</td>
<td>2,937</td>
<td>3,155</td>
<td>3,248</td>
<td>3,370</td>
<td>3,390</td>
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<tr>
<td><strong>Article + Core Items</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td># Completed 40 items all 4 blocks</td>
<td>2,570</td>
<td>2,878</td>
<td>2,948</td>
<td>3,132</td>
<td>3,204</td>
<td>3,213</td>
</tr>
<tr>
<td>Mean Percent Correct</td>
<td>93%</td>
<td>93%</td>
<td>94%</td>
<td>93%</td>
<td>95%</td>
<td>95%</td>
</tr>
<tr>
<td><strong>Article-Based Items</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td># Completed 30 article items all 4 blocks</td>
<td>2,638</td>
<td>2,954</td>
<td>3,010</td>
<td>3,188</td>
<td>3,253</td>
<td>3,280</td>
</tr>
<tr>
<td>Mean Percent Correct</td>
<td>94%</td>
<td>95%</td>
<td>95%</td>
<td>96%</td>
<td>96%</td>
<td>96%</td>
</tr>
<tr>
<td><strong>Core Items</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td># Completing 10 core items all 4 blocks</td>
<td>2,684</td>
<td>2,944</td>
<td>3,135</td>
<td>3,209</td>
<td>3,273</td>
<td>3,294</td>
</tr>
<tr>
<td>Mean Percent Correct</td>
<td>89%</td>
<td>87%</td>
<td>94%</td>
<td>86%</td>
<td>93%</td>
<td>93%</td>
</tr>
</tbody>
</table>
Completion Time per CAP Item

<table>
<thead>
<tr>
<th>Block</th>
<th>Core Questions</th>
<th>Article-Based Questions</th>
</tr>
</thead>
<tbody>
<tr>
<td>2018A</td>
<td>1 min 34 sec</td>
<td>1 min 20 sec</td>
</tr>
<tr>
<td>2018B</td>
<td>1 min 47 sec</td>
<td>1 min 2 sec</td>
</tr>
<tr>
<td>2019A</td>
<td>1 min 20 sec</td>
<td>1 min 23 sec</td>
</tr>
<tr>
<td>2019B</td>
<td>1 min 34 sec</td>
<td>1 min 6 sec</td>
</tr>
<tr>
<td>2020A</td>
<td>1 min 28 sec</td>
<td>1 min 28 sec</td>
</tr>
<tr>
<td>2021A</td>
<td>1 min 42 sec</td>
<td>1 min 17 sec</td>
</tr>
<tr>
<td>2021B (to date)</td>
<td>1 min 18 sec</td>
<td>1 min 13 sec</td>
</tr>
</tbody>
</table>

Diplomate Completion of Each Block

![Rolling Total Completions Chart](chart.png)
2021 Block 1 CAP Survey

<table>
<thead>
<tr>
<th>Average Response</th>
<th>Content Relevancy$^1$</th>
<th>Identified Gaps$^2$</th>
<th>Planning to Change$^3$</th>
</tr>
</thead>
<tbody>
<tr>
<td>Strongly Agree</td>
<td>49.00%</td>
<td>37.00%</td>
<td>19.90%</td>
</tr>
<tr>
<td>Agree</td>
<td>48.00%</td>
<td>58.00%</td>
<td>56.00%</td>
</tr>
<tr>
<td>Disagree</td>
<td>2.50%</td>
<td>4.00%</td>
<td>24.00%</td>
</tr>
<tr>
<td>Strongly Disagree</td>
<td>0.50%</td>
<td>1.00%</td>
<td>0.10%</td>
</tr>
</tbody>
</table>

$^1$The content of CAP was relevant to my practice of allergy/immunology

$^2$CAP helped me to identify gaps in my knowledge and/or practice of allergy/immunology

$^3$I plan to make changes to my practice based knowledge I acquired by participating in CAP

ABAJ COVID-19 Response: Continuing Certification

- Extended 2020 certificate expiration date to 12/31/2021
- Extended deadline for all MOC requirements (Parts I-IV) due in 2020 to 12/31/2021
- Extended CAP 2020-Block 1 from 7/15/20 to 1/15/21
- Cancelled CAP 2020-Block 2
- Extended 2020 MOC annual fee deadline to 12/31/2021 without penalty
- Updated web page with links to specialty & national pandemic resources
- Providing expedited certification status confirmation to credentialing bodies
- COVID 19 practice improvement activities eligible for part IV attestation
Thank You
Building ABAI Continuing Certification Together: Understanding the CAP 5-Year Cycle Score

Michael R. Nelson, MD, PhD
President, ABAI

Disclosures

• No financial disclosures

View expressed are my own on behalf of ABAI and not representative of ABMS, UVA or USUHS
Background

• Vision Commission
  • 14 recommendations to transform continuing certification
    • “Alternative solutions to burdensome, highly-secure, point-in-time examinations of knowledge”
    • “ABMS Boards must change a diplomate’s continuing certification status when continuing certification standards are not met”

• American Board of Medical Specialties (ABMS) Response
  • Longitudinal assessment program commitment by all 24 member boards
  • Implementation task forces
  • Draft standards

Background- ABMS Draft Standard #3

3. Assessment of Certification Status
  • Member Boards must determine at intervals no longer than five years whether a diplomate is meeting continuing certification requirements to retain each certificate.
  • Policies that specify the basis for certification decisions must be made available to diplomates

Commentary:
  • Determining a diplomate’s certification status (i.e. certified/no certified) at least every five years is consistent with the goal of maintaining currency in medical advances and a commitment to professionalism.
  • Member Boards will have a sufficient, specified phase in period to allow for implementation of this standard.
ABAI CAP Essentials:
Program Participation

- Automatic CAP enrollment 2018 or upon new certification
- CAP converted from pilot to permanent program 2020
- 10 year exam eliminated (not an alternative)
- Diplomates are scored every block regardless of participation
- Time unlimited certificate: certified status not at risk

ABAI CAP 5 Year Cycle Essentials:
5 year Cycle Summative Assessment

- Summative assessment = % correct of top 8 of 10 blocks (320 items)
- Standard = >80% correct of top 8 blocks (320 items)
- Individual semi-annual blocks are not pass/fail
- Article & core item combined score (not pass/fail for either)
- Lowest 2 scoring blocks each 5 year cycle automatically dropped
- Feedback reviewed each block leading to score adjustments
- Every block analyzed for difficulty (ensures 80% standard appropriateness)
ABAI CAP 5 Year Cycle Essentials:
If Unable to Meet 5 year 80% Standard

• Directed to re-entry pathway (CQE exam & any outstanding part I-IV requirements)

• 10 year certificate expiration dates remain in effect (pending new ABMS standards)

• Unable to renew time-limited certificate until re-entry path successfully completed and re-entered into CAP

CAP Program Overview

Successful candidate
• Summative score of \[ \geq 80\% \] from top 8 blocks at end of each 5-year cycle

Unsuccessful candidate
• Unable to achieve 80% summative score
• Not participating (0 each block)
• Directed to re-entry pathway (Continuous Qualification Exam (CQE) re-entry exam)
• Unable to renew time limited certificate until reentry & all MOC requirements completed

Notes
• Blocks with no participation: Score of 0
• Incomplete blocks regardless of # attempted/completed: Score of total # correct
• Grace periods: drop 2 lowest scoring or missed blocks within each 5-year summative cycle
CAP Progress Meter

Accessible from two places

Maintenance of Certification Certificate
CME Credits
NEW Continuous Assessment Program (CAP) Pilot
Your CAP Progress Meter

Modules

Please complete all questions by 11:59pm EST January 14, 2020 to satisfy your CAP requirements

CAP FAQs: https://www.abai.org/cap_faqs

Frequently Asked Questions (FAQs) for Continuous Assessment Program (CAP)

CAP Definition & Purpose

- Why is the ABAI developing this new program?
- Will CAP replace the current proctored exam?
- Is CAP an assessment that is taken once?
- What is CAP?

CAP Eligibility Information

- Who is eligible?
- When will CAP start and when will it end?

CAP Participation Requirements

- CME Credit
- Part III: Cognitive Expertise
- Continuous Qualification Exam (CQE)
- CAP Frequently Asked Questions
- CAP Re-Entry Pathway
Tips

• Avoid stress & performance risk from last minute completion
• Complete every block, even if starting off slow
• Make full use of open book - download articles before answering items
• Download all articles for your reference library
• Check your progress meter frequently
• Remember that 2 lowest scoring blocks will be dropped
• Explore and ensure keeping up to date in all topic areas
• Contact our office with any questions or technical difficulties

THANK YOU!
ABAI “Achieving the Vision”

ABAI & ABAI Diplomates are well ahead of the curve

- Integration of professionalism, assessment, lifelong learning and advancing practice.
- Alternative solutions to burdensome highly-secure, point-in-time examinations of knowledge.
- Regularly communicate with their diplomates about the standards for the specialty and encourage feedback about the program.
- Consistent processes and requirements for continuing certification that are fair, equitable, transparent, effective and efficient.
- Enable multi-specialty and subspecialty diplomates to remain certified without duplication of effort.
- ABMS Boards must change a diplomate’s certification status when continuing certification standards are not met.

ABAI CAP

- Average block score 93%
- Diplomate feedback & satisfaction
  - Content relevant to my practice
    - 91% strongly agree or agree
  - Helped Identify Knowledge/Practice Gaps
    - 83% strongly agree or agree
  - Practice Changes Based on Knowledge Acquired
    - 63% strongly agree or agree

High ratings for relevancy & promoting practice changes
Understanding the Diplomate Progress Meter

Giselle Mosnaim, MD, MS
MOC Examination Co-Chair

Disclosures

Current research grant support: Teva and Sanofi-Regeneron

Past research grant support: Astra-Zeneca, Alk-Abello, Genentech and GlaxoSmithKline
Past service as a consultant and/or member of an scientific advisory board: GlaxoSmithKline, Sanofi-Regeneron, Teva, Novartis, Astra-Zeneca, Boehringer Ingelheim and Propeller Health
Past service as a speaker: HCPLive

Current service: President, American Academy of Allergy, Asthma and Immunology; and Director, Board of Directors, American Board of Allergy and Immunology
CAP Progress Meter

• The progress meter is made up of four main parts:
  • The green, yellow and red **headers** provide a calculation of what is needed to be successful in the current 5 year CAP cycle.
  • The **pie charts** show the overall score with breakdowns for articles vs. core questions.
  • The **subway map** shows progress from block to block with links to the score report for each corresponding block. The greyed out wording implies **exempt** or not completed, thus no score report is available.

CAP Progress Meter

• The **side bar** displays the scores across the various categories, mean vs. your score.
  • Does not include the current block because scores must be **key validated** and then imported into the system.
  • Views are **individualized** based on Diplomate progress within a CAP cycle and whether any blocks have been completed or skipped.
CAP Progress Meter

The progress meter is accessible from two places on the portal page. From the left navigation bar and also the bottom of the page under the CAP due date.

- The subway map shows progress from block to block.
- This Diplomate did not complete the 1st block (i.e. received 0/40 on this block).
- All remaining blocks were completed and the Diplomate is on track to meet 5 year cycle threshold.
- The 2nd block of 2020 was recorded as exempt for all CAP eligible Diplomates due to the pandemic.
- The current block is underway.
CAP Progress Meter

- The **pie charts** show the overall score with breakdowns for articles vs. core questions.
- The Diplomate on the left is on track vs. the Diplomate on the right is facing the reentry pathway.
- Hovering the cursor over the pie charts shows additional information.

CAP Progress Meter

The green, yellow or red **header** indicates whether the Diplomate is on track to meet the 5 year threshold.
CAP Progress Meter

Diplomate did not complete block 1 and has a certificate expiring in 2022, has not met the threshold in all completed blocks but could still meet the 5-year cycle threshold after dropping up to the 2 lowest scoring blocks and completing all remaining blocks.

CAP Progress Meter

An average score of 80% must be attained to pass each five year cycle. Your score is below the 5 year cycle threshold of 80% and therefore you are subject to the re-entry pathway. https://abai.org/moc_parts/CAPRe-Entry
CAP Progress Meter

- The side bar shows the scores by the various categories, mean vs. your score.

- This example shows this Diplomate has not attempted any questions for the Immunodeficiencies category.

Discussion & Questions

Thank You!!!