

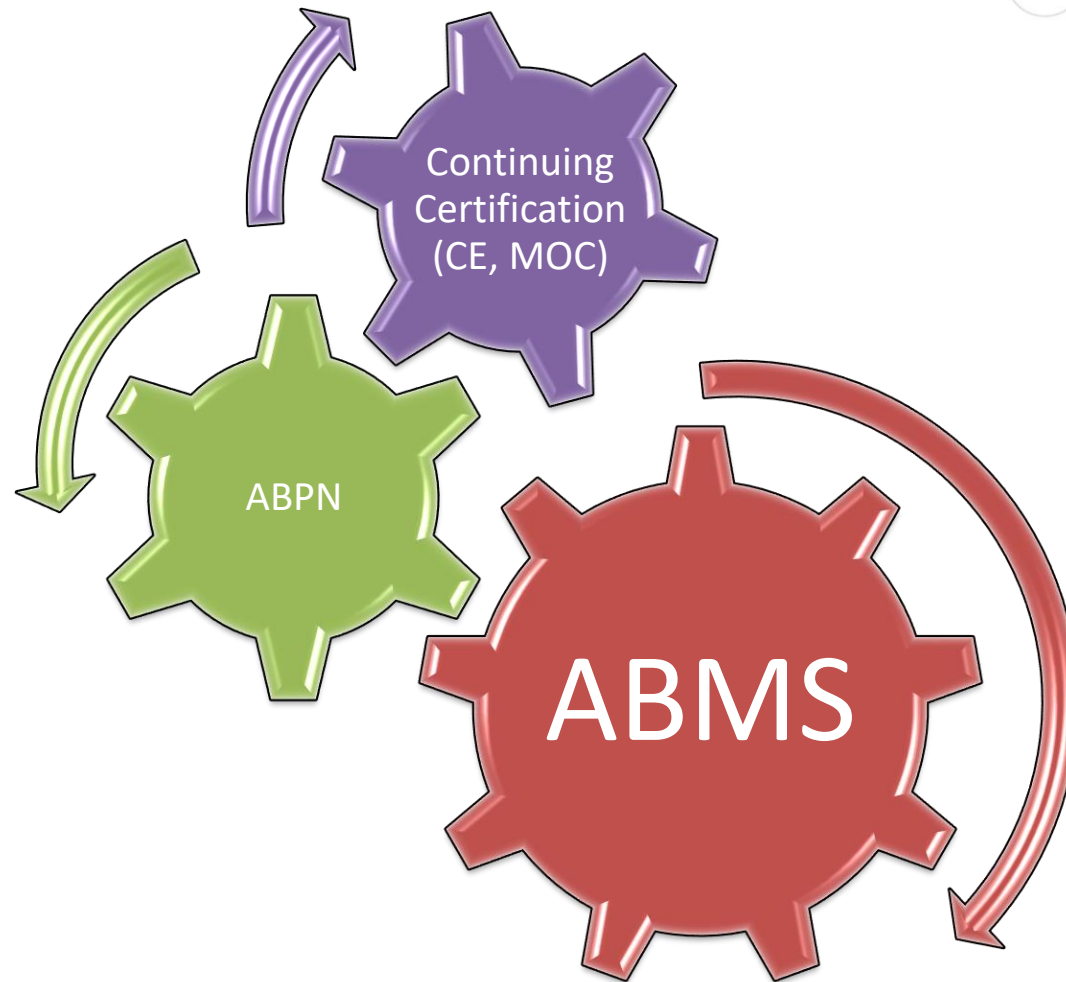
Epilepsy Across the Spectrum Health Professional Education

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Health Professional Education Landscape



Continuing Board Certification Vision for the Future Commission

- Evolved as a result of fundamental questioning of value and meaningfulness of current continuing Board certification process
- Collaborative effort that brought together multiple stakeholders to envision the future of continuing board certification
 - Physicians, health care leadership, academic medicine, CME professionals, group practices, state/national medical associations, ABMS Member Board executives, specialty societies, health advocacy groups representing patients, families, and the public
- Commission's charge:
 - Make recommendations regarding principles, frameworks and program models for the continuing board certification system that are responsive to the needs of those who rely on the system and are relevant, meaningful and of value to those who hold the credential

Key Recommendations on Continuing Certification

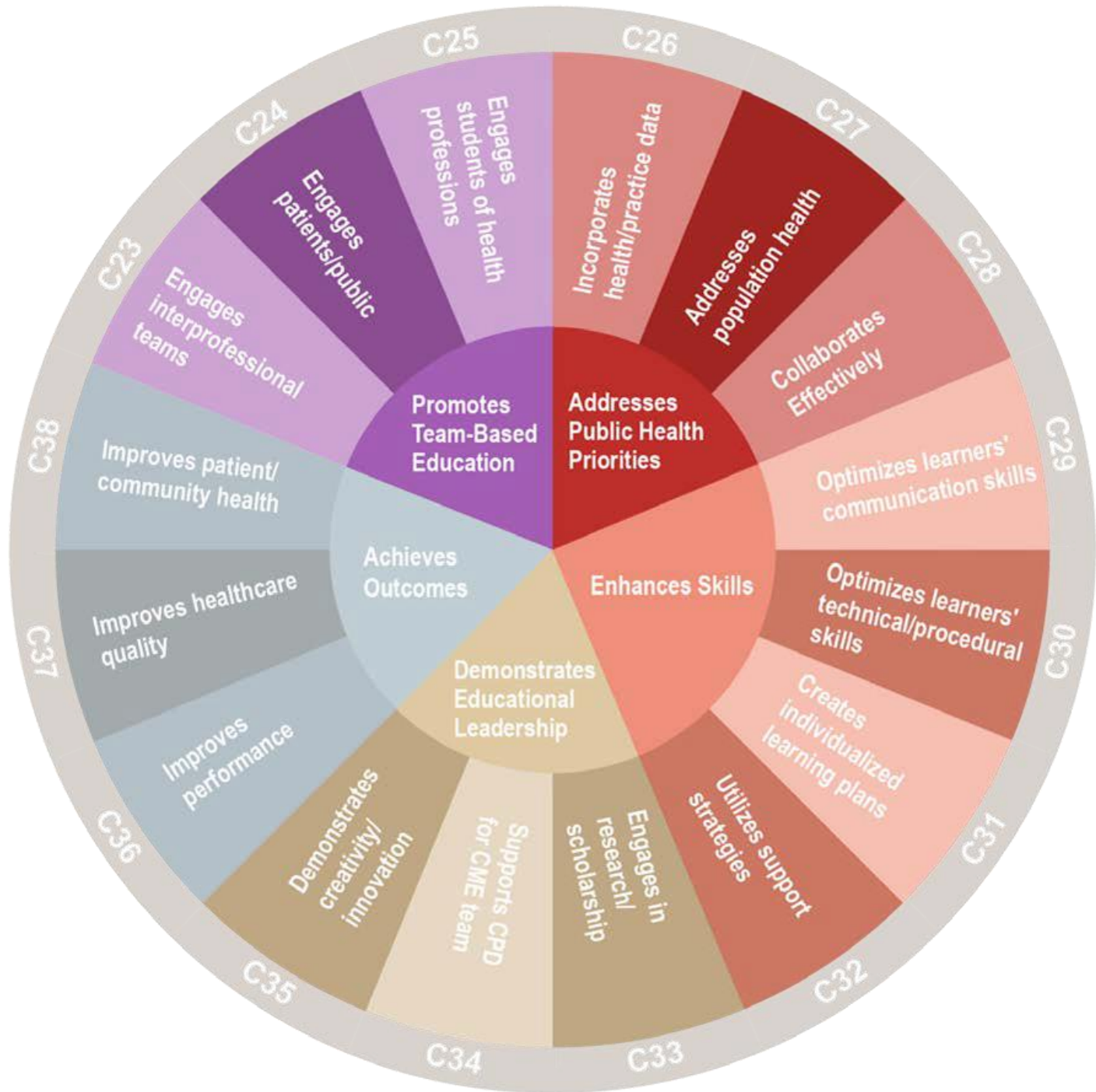
- Integrate professionalism, assessment, lifelong learning and advancing practice
- Change to incorporate longitudinal and other innovative formative assessment strategies that support learning, identify knowledge and skills gaps, and help diplomates stay current
- Offer an alternative to point-in-time examinations of knowledge
- Make publicly available the certification history of all diplomates

Key Recommendations on Continuing Certification

- Collaborate with specialty societies and other expert stakeholders to develop the infrastructure to support learning activities that produce data-driven advances in clinical practice
- Collaborate with professional organizations to share data and information to guide and support diplomate engagement in continuing certification

Excellence in medical education

- ACCME recognizes accredited providers for:
 - Interprofessional collaborative practice
 - Addressing public health priorities
 - Creating behavioral change
 - Leadership
 - Leveraging educational technology
 - Demonstrating the impact of education on healthcare professionals and patients



IOM Recommendations

Called out recommendations around health professional education:

- Primary care education
- Need for evidence-based programs, designed to improve practice and care and fill knowledge gaps
- Education of full care team, including patients and families
- Utilization of multiple education delivery mechanisms
- Life-long continuous learning, from residency forward
- Role for epilepsy centers and organizations in education delivery

Addressing Knowledge Gaps

Comorbidities

- PI-CME Quality of Life in Epilepsy Patients (based on AAN quality of life measures)
- Ask the Expert – Screening for Psychosocial Comorbidities
- PNES Clinician Information Sheet; Quick Reference Guides for Anxiety and Depression
- Screening Tools for Adult and Child Psychosocial Comorbidities

Women

- Update to AES position statement on Use of Valproate (in approval)
- Joint AAN/AES Guideline on Women and Epilepsy (in process)
- PI-CME – Improving Adherence to Folic Acid Supplementation to Prevent Birth Defects
- Ask the Expert Webinar – Teratogenicity Prevention

Diagnosis

- AES Self-Assessment Diagnosis and Interpretation using EEG Monitoring
- Ask the Expert webinar – Early Diagnosis of Non-epileptic Seizures
- Early Diagnosis and Management of LGS (with LGS Fndn)

Addressing Knowledge Gaps

Primary Care

- Ask the Experts – Therapeutic Drug Monitoring of AEDs
- American Academy of Pediatrics Coordinating Center for Epilepsy

Options

- AES Position on Cannabis as a Treatment for Epileptic Seizures
- Ask the Expert webinar on Pharmacokinetics of CBD
- Ask the Expert webinar – Use of Generic AEDs
- AES position on Substitution of Different Formulations of AEDs for Treatment of Epilepsy
- Template letters in response to coverage denial (LITT)

Subpopulations

- AES position on Immediate Access to Accepted Treatments for Infantile Spasms
- Ask the Expert webinar – Infantile Spasms
- PI-CME – Improving Outcomes for Transitions from Pediatric to Adult Care

Innovative Teaching Strategies

Improve Practice

- PI-CME modules (AES offers 3 modules)
- MOC certified content (to meet continuing certification requirements)
- AES delivers **more than 30,000 hours** of accredited continuing education annually

Evidence Based

- AES Self-Assessment Vol. 1-6
- Ask the Expert – Treatment Challenges in Convulsive Status Epilepticus – An Evidence Based Approach
- Primary Care and Patient references for Epilepsy Guidelines (with AAN)

Collaboration

- Ask the Expert – How Self-Management Programs Can Improve Patient Care (with MEW)
- Partners Against Mortality in Epilepsy (PAME) collaborative
- AES, AAN, CNS meetings offer both CME and Nursing and Pharma credit
- AES Advanced Practice Provider initiative
- NEEAC partnership under EF

Innovative Teaching Strategies

Innovative Delivery

- AES LMS online platform upgrade
- Multiple education formats at Annual Meeting – lecture, panel debate, case studies, SIG discussions, workshops

Resident/Fellows

- AES Fellowship Curriculum – 8 modules, 37 topics
- AES Fellows Program – 100+ junior clinicians and scientists attend AES Annual Meeting comp/stipend
- Piloting in person EEG training course for residents

Epilepsy Centers

- NAEC/AES EMU Caring - Safety in the EMU
- NAEC Accreditation Program
- NEEAC referral project with AES and AAN

NEW EpiPORT Clinical Research Training

Online Clinical Research Curriculum

- introductory training to key concepts in epilepsy clinical
- 28 modules accessible online
- Pre- and post-assessment
- Certificate of completion

Mentorship Program for Clinical Research

- targeted mentorship for investigators looking to hone their skills in clinical research grantsmanship
- Expectation of culminating in submission of a research proposal to a funding agency

EpiPORT Online Training Modules

NIH MODULES

1. Choosing a Research Question and Implications for Efficient Clinical Trials
2. Overview of Clinical Study Design
3. Design of Epidemiologic Studies
4. Overview of Hypothesis Testing
5. Sample Size and Power
6. Measures
7. Module I Summary and Study Examples
8. Ethical Principles in Clinical Research
9. Institutional Review Boards
10. Scientific Conduct

EPIPORT -REPURPOSED

1. Background and significance/Lit reviews
2. Standards for epidemiologic studies in epilepsy
3. Methods: Subject selection, inclusion / exclusion, randomization and control of confounders
4. Evaluation of diagnostic tests
5. Trials of epilepsy surgery & devices
6. Genetics and genomics

EPIPORT - NEW

1. How to write a research proposal
2. Grading the medical evidence
3. Methods: Selection of outcome measures
4. Statistics: ANOVA & Regression Analyses
5. Drug & Device Development
6. Issues in randomized control trial design for AEDs
7. Neuroimaging & Computational Techniques in Epilepsy
8. Comorbidities
9. Ethics of Epilepsy Research
10. How to write a manuscript and get it published-
11. Research administration: CRFs, databases, budgets, and regulations
12. Quality improvement and Outcomes Research

An abstract network diagram with several circles of varying sizes connected by thin lines, set against a solid purple background. The circles are arranged in a way that suggests a complex, interconnected system, with some circles acting as central hubs and others as peripheral nodes.

QUESTIONS and INSIGHTS?