



# American Osteopathic College of Occupational and Preventive Medicine Needs Assessment Kit

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## From the AOA CME Standards

### **2.2.3 Educational Standards and Practices**

**2.2.3.1 Needs Assessment** - *An accredited sponsor shall systematically identify the CME needs of prospective participants and use that information in planning CME activities. The following criteria relating to the needs assessment are required for submissions to the CME Division upon request for AOA Category 1-A or Category 1-B credit for pre-approval:*

- 1. The needs assessment must be conducted on an annual basis for each program.*
- 2. A needs assessment must be included for each presentation.*
- 3. The needs assessment must be timely – current for the field.*
- 4. The needs assessment must be documented – at least one source must be evidence based.*
- 5. Exceptions to the requirement for needs assessments will be posted and CME Sponsors will be notified.*

**2.2.3.2 Objectives** - *An accredited sponsor shall, for each CME event, develop objectives based on identified educational needs.*

Source Data Memo

**Date:** March 5, 2010

**To:** Divisional Affiliate Executive Directors

**CC:** Linda Mascheri, Director, AOA Department of State, Affiliate,  
Socioeconomic, and International Affairs  
Diane Burkhart, PhD, Director, AOA Department of Education

**From:** Diana Ewert, MPA, CAE  
Director, Division of Affiliate Affairs

**RE:** AOA CME Needs Assessment – Source Data



The Division of Affiliate Affairs is receiving multiple requests for additional help when it comes to submitting the required needs assessment to the Education Department why applying for CME consideration. The most often asked question concerns source data, i.e., Where can we find source data?

It is not appropriate for the division to comment or critique needs assessment documentation. However, we can provide you links to third-party sites to further research and address the areas of education you provide through your respective organizations. You may be able to obtain data relative to building your needs assessment, thus your educational programs through these resources.

Note that this is neither a complete nor exhaustive list – we are providing a few of the more well-known sources to get you started. We would like to see this become a living, breathing document that you augment by adding your own resources and links to information relative to educational topics that other affiliates can draw upon when conducting their own needs assessment.

Please let me know if this is helpful to you. I look forward to your comments and feedback.

## Resources

### US Government Resources

<http://www.health.gov> is a portal to the Web sites of a number of multi-agency health initiatives and activities of the [U.S. Department of Health and Human Services \(HHS\)](#) and other Federal departments and agencies. This site is coordinated by the [Office of Disease Prevention and Health Promotion](#), Office of Public Health and Science, Office of the Secretary, U.S. Department of Health and Human Services.

United States Center for Disease Control <http://www.cdc.gov>

National Institutes for Health <http://nih.gov>

United States Preventative Services Task Force (USPSTF)

<http://www.ahrq.gov/clinic/uspstfix.htm>

Agency for Healthcare Research and Quality (AHRQ) <http://www.ahrq.gov/>

### Health Related Foundations/Organizations

The Henry J. Kaiser Family Foundation – Health Policy <http://kff.org/>

The United Health Foundation – America’s Health Rankings (by state)

<http://www.americashealthrankings.org/>

The National Women’s Health Foundation <http://www.nationalwomenshealth.org/>

National Public Health Information Coalition <http://www.nphic.org/>

American Public Health Association <http://www.apha.org/>

### Disease Specific Organizations

American Cancer Society <http://www.cancer.org>

American Diabetes Association <http://www.diabetes.org/>

American Heart Association

<http://www.americanheart.org/presenter.jhtml?identifier=1200000>

American Lung Association <http://www.lungusa.org/>

### State Specific Organizations

Association of State and Territorial Health Officials <http://www.astho.org/>

CDC Public Health Resources – State Departments of Health

<http://www.cdc.gov/mmwr/international/relres.html>

National Association of County and City Health Officials <http://www.naccho.org/>

Most states have specific health statistical data available that may aid in determining need. For example: State of Illinois Health Statistics

<http://www.idph.state.il.us/health/statshome.htm>

### Journals Relative to the Specialties of Osteopathic Medicine

Journal of the American Osteopathic Association <http://www.jaoa.org/>

Journal of Osteopathic Medicine and Primary Care <http://www.om-pc.com/>

Osteopathic Family Physician <http://www.acofp.org/resources/publications.aspx>

Journal of the American College of Osteopathic Dermatology  
<http://www.aocd.org/jaocd/index.html>

#### Medical Journals

Journal of the American Medical Association <http://jama.ama-assn.org/>

American Family Physician <http://www.aocd.org/jaocd/index.html>

Family Practice Management

<http://www.aafp.org/online/en/home/publications/journals/fpm.html>

The New England Journal of Medicine <http://content.nejm.org/>

#### Web Search Engines

Journal Watch - Journal Watch reviews over 180 scientific and medical journals to present important clinical

research findings and insightful commentary. <http://www.jwatch.org/>

MedScape/MedScapeCME/WebMD – no fee but requires registration

<http://www.medscape.com/>

## AOBPM (Preventive Medicine) Exam Tables of Specificity

### Core – Distribution of Items Across Domains

<b>Domain</b>	<b>Distributi</b>
Epidemiology	7%
Statistics	9%
Acute Disease Prevention	11%
Chronic Disease Prevention	4%
Maternal Health	7%
Health Care of Young	3%
Injuries	8%
Mental Health	7%
Mental Retardation	4%
Substance Abuse	3%
Occupational Medicine	7%
Environmental Medicine	2%
Legal Aspects of Medicine	8%
Medical Ethics	3%
Health Care Professionals	6%
Health Care Services	6%
Health Care Finance	5%
Total	100%

### Core Oral – Distribution of Items Across Domains

<b>Domain</b>	<b>Distributi</b>
Administration	33%
Clinical Topics	33%
Environment	33%
Total	100%

Please note, this table does not total to 100%

## Occupational/Environmental Medicine – Distribution of Items Across Domains

<b>Domain</b>	<b>Distributi</b>
Treatment	20%
Rules and Regulations	15%
Epi/Biostat	5%
Health	3%
Toxicology	20%
Hearing	5%
Dermatology	5%
Respiratory/Industrial Hygiene	20%
Reproductive	2%
Decompressions	1%
Vibrations	1%
Radiation	3%
Total	100%

Please note, this table does not total to 100%

## Aerospace Medicine – Distribution of Items Across Domains

<b>Domain</b>	<b>Distributi</b>
History	3%
Biomechanics	15%
Civil Regulation	20%
Clinical Aerospace Medicine	45%
Environment of Flight	7%
Specialized Areas	10%
Total	100%

Public Health/Community Medicine Re-Certification –  
Distribution of Items Across Domains

<b>Domain</b>	<b>Distributio</b>
Epidemiology and Statistics	16%
Acute Disease Prevention	15%
Chronic Disease Prevention	10%
Maternal and Child Health	4%
Injuries	10%
Mental Health and Retardation	5%
Substance Abuse	2%
Occupational and Environmental Medicine	6%
Legal Aspects of Medicine	4%
Medical Ethics	2%
Health Care Professionals	6%
Health Care Services and Finance	11%
Public Health Administration	4%
Infectious Disease	5%
<b>Total</b>	<b>100%</b>



### Occupational and Environmental Medicine Re-Certification – Distribution of Items Across Domains

<b>Domain</b>	<b>Distributio</b>
Epidemiology and Statistics	3%
Acute Disease Prevention	13%
Chronic Disease Prevention	5%
Impairment and Disability Evaluation	5%
Toxicology	12%
Injury Prevention	8%
Mental Health and Retardation	2%
Industrial Hygiene and Safety	12%
Substance Abuse	2%
Clinical Occupational and Environmental	13%
Legal and Regulatory Requirements	10%
Physical Hazards	7%
Biological Hazards	6%
Reproductive Hazards	2%
Total	100%

### Aerospace Medicine Re-Certification – Distribution of Items Across Domains

<b>Domain</b>	<b>Distributi</b>
History	2%
Biomechanics	15%
Legal and Regulatory	20%
Clinical Aerospace Medicine	20%
Environment of Flight	10%
Epidemiology and Statistics	6%
Injury Prevention	10%
Barometric Physiology	15%
Substance Abuse	2%
Total	100%

## AOBPM Exam Results Reports 2010-2014

### Aerospace Continuous Certification

<b>2010-2014: Aerospace Medicine Osteopathic Continuous Certification</b>			
<b>(Includes Spring 2010, Spring 2011, Spring 2012, Spring 2013, Spring 2014)</b>			
Overall: 7 candidates (7 passed, 0 failed)			
Multiple Choice Exam: 7 candidates (7 passed, 0 failed)			
Oral Exam: 0 candidates			
Essay Exam: 7 candidates (7 passed, 0 failed)			
<i>Table of Specifications</i>	<i>Group Minimum</i>	<i>Group</i>	<i>Group Maximum</i>
Barometric Physiology	50.00	79.60	100.00
Biomechanics	62.50	86.30	100.00
Clinical Aerospace Medicine	68.75	85.50	100.00
Environment of Flight	33.33	66.92	100.00
Epidemiology and Statistics	33.00	70.00	100.00
History	0.00	54.99	100.00
Injury Prevention	50.00	82.78	100.00
Legal and Regulatory Requirements	50.00	81.34	100.00
Operational Aerospace Medicine	100.00	100.00	100.00
Substance Abuse	0.00	47.23	100.00

<b>2007-2014: Aerospace Medicine Certification</b>			
<b>(Includes Spring 2007, Spring 2008, Spring 2009, Spring 2012)</b>			
Overall: 13 candidates (6 passed, 7 failed)			
Multiple Choice Exam: 12 candidates (9 passed, 3 failed)			
Oral Exam: 8 candidates (8 passed, 0 failed)			
Essay Exam: 11 candidates (6 passed, 5 failed)			
<i>Table of Specifications</i>	<i>Group Minimum</i>	<i>Group Average</i>	<i>Group Maximum</i>
Barometric Physiology	66.67	66.67	66.67
Biomechanics	66.67	66.67	66.67
Civil Regulations	100.00	100.00	100.00
Clinical Aerospace Medicine	31.00	51.43	57.00
Environment of Flight	62.50	54.63	62.50
Epidemiology and Statistics	100.00	100.00	100.00
History of Aerospace Medicine	42.00	73.58	83.00
Injury Prevention	25.00	25.00	25.00
Legal & Regulatory	100.00	100.00	100.00
Management and Administration Research	31.00	72.63	94.00
Operational Aerospace Medicine	61.00	67.25	78.00
Substance Abuse	100.00	100.00	100.00
<b>*Results include 3 retakes of essay and 3 retakes of MC</b>			
<b>No Candidates in 2010, 2011, 2013 and 2014</b>			

## Public Health Continuous Certification

<b>2010-2014: Public Health Osteopathic Continuous Certification</b>			
<b>(Includes Spring 2010, Fall 2010, Spring 2011, Spring 2012)</b>			
Overall: 11 candidates (6 passed, 5 failed)			
Multiple Choice Exam: 10 candidates (6 passed, 4 failed)			
Oral Exam: 0 candidates			
Essay Exam: 7 candidates (6 passed, 1 failed)			
<i>Table of Specifications</i>	<i>Group Minimum</i>	<i>Group Average</i>	<i>Group Maximum</i>
Acute Disease Prevention	33.30	74.10	100.00
Biostatistics	50.00	88.88	100.00
Chronic Disease Prevention	0.00	50.00	50.00
Clinical Preventive Medicine	50.00	75.16	100.00
Epidemiology and Statistics	46.20	77.50	92.30
Evidence Based Medicine	0.00	86.66	100.00
General Preventive Medicine	33.30	66.90	100.00
Infectious Disease	0.00	86.65	100.00
Legal Aspects of Medicine	0.00	90.00	100.00
Occupational and Environmental	0.00	77.34	100.00
Public Health	55.60	87.32	100.00
Public Health Administration	0.00	30.85	100.00
Public Health Law	0.00	61.58	100.00
Study Design	40.00	69.35	86.00
<b>*Results include 4 retake of Specialty MC, 1 retake of essay</b>			
<b>No Candidates in 2013 or 2014</b>			

<b>2010-2014: Core</b>			
<b>(Includes Spring 2010, Spring 2011, Spring 2012, Spring 2013, Spring 2014)</b>			
Overall: 15 candidates (9 passed, 6 failed)			
<i>Table of Specifications</i>	<i>Group Minimum</i>	<i>Group Average</i>	<i>Group Maximum</i>
Acute Disease Prevention	42.90	64.55	100.00
Chronic Disease Prevention	50.00	64.16	92.30
Environmental Medicine	33.33	45.81	100.00
Epidemiology	50.00	54.10	84.62
Health Care Professionals	40.00	69.59	100.00
Health Care Services	25.00	78.43	67.00
Occupational Medicine	25.00	56.13	100.00
Statistics	37.00	77.03	100.00
Substance Abuse	14.30	71.58	85.70
<b>*Results include 6 retakes</b>			

## Occupational Medicine CAQ

### 2010-2014: Occupational Medicine CAQ

**(Includes Spring 2010, Fall 2010, Spring 2011, Spring 2012, Spring 2013, Spring**

Overall: 29 candidates (21 passed, 8 failed)

Multiple Choice Exam: 24 candidates (20 passed, 4 failed)

Oral Exam: 0 candidates

Essay Exam: 28 candidates (22 passed, 6 failed)

<i>Table of Specifications</i>	<i>Group Minimum</i>	<i>Group Average</i>	<i>Group</i>
Acute Disease Prevention	38.00	59.59	90.00
Biological Hazards	25.00	47.10	100.00
Chronic Disease Prevention	50.00	78.18	100.00
Chronic Disease	100.00	100.00	100.00
Clinical Occ & Env Med	43.75	61.29	83.30
Epidemiology and Statistics	20.00	64.25	100.00
Impairment & Disability Evaluation	50.00	78.13	100.00
Industrial Hygiene and Safety	28.57	70.34	100.00
Injury Prevention	33.00	64.87	100.00
Legal & Regulatory Requirements	46.67	79.65	100.00
Mental Health & Retardation	0.00	50.00	100.00
Physical Hazards	50.00	89.77	100.00
Radiation	0.00	50.00	100.00
Reproductive Hazards	0.00	74.00	100.00
Rule and Regulation	0.00	0.00	0.00
Substance Abuse	0.00	25.91	100.00
Toxicology	48.00	67.78	87.00
Treatment	0.00	23.13	100.00
Undefined	0.00	52.50	80.00

\*Results include 5 retakes of MC, 5 retakes of essay

## Undersea & Hyperbaric Medicine CAQ

### 2010-2014: Undersea & Hypberbaric Medicine CAQ

**(Includes Spring 2010, Fall 2010, Spring 2011, Fall 2011, Spring 2012, Fall 2012, Fall**

Overall: 41 candidates (32 passed, 9 failed)

Multiple Choice Exam: 41 candidates (32 passed, 9 failed)

Oral Exam: 0 candidates

Essay Exam: 0 candidates

<i>Table of Specifications</i>	<i>Group Minimum</i>	<i>Group Average</i>	<i>Group Maximum</i>
Clinical Hyperbaric Medicine	51.16	64.24	84.21
Diving Medicine	43.20	55.50	77.30
Fundamentals	40.35	65.27	85.71
Research	0.00	74.35	100.00

\*Results include 7 retakes of MC

