

CERTIFICATION PROGRAMS FOR PHARMACISTS

The following list of certification programs open to pharmacists was compiled by the Council on Credentialing in Pharmacy in late 2010 from publicly available information. It is not necessarily an exhaustive list, as programs and their contact information change frequently.

PHARMACIST-ONLY CERTIFICATIONS

AMBULATORY CARE PHARMACY

1. **Name of credential(s):** Board Certified Ambulatory Care Pharmacist
2. **Responsible Organization:** Board of Pharmacy Specialties (BPS)
 - a. **Address:** Board of Pharmacy Specialties
2215 Constitution Avenue, NW
Washington, DC 20037
 - b. **Telephone:** 202-429-7591
Fax: 202-429-6304
 - c. **E-mail:** info@bpsweb.org
 - d. **Web site:** www.bpsweb.org
3. **Certification body Accredited? Yes**
 - a. **By what organization?** The National Commission for Certifying Agencies (NCCA)
-but ambulatory care credential is ineligible for coverage until 2012
4. **Disciplines certified (in addition to pharmacists):** None
5. **Eligibility criteria for pharmacists:**
 - Graduation from a pharmacy degree program accredited by the Accreditation Council for Pharmacy Education (ACPE) or a program outside the U.S. that qualifies the individual to practice in the jurisdiction.
 - Current, active license to practice pharmacy in the U.S. or another jurisdiction.
 - Achieving a passing score on the Ambulatory Care Specialty Certification Examination
 - Completion of four (4) years of practice experience with at least 50% of time spent in ambulatory care activities (as defined by the BPS Ambulatory Care Pharmacy Content Outline)

OR

Completion of a PGY2 Ambulatory Care Pharmacy residency. (Effective January 1, 2013, only residencies accredited by the American Society of Health-System Pharmacists or other recognized bodies are creditable for this purpose.)

OR

Completion of a PGY1 residency. (Effective January 1, 2013, only residencies accredited by the American Society of Health-System Pharmacists or other

recognized bodies are creditable for this purpose); plus one (1) year of practice experience with at least 50% of time spent in ambulatory care activities (as defined by the BPS Ambulatory Care Pharmacy Content Outline).

6. **Duration of initial certification:** 7 years
7. **Recertification requirements:** A current, active license to practice pharmacy is required for recertification. In addition, recertification for Board Certified Ambulatory Care Pharmacists (BCACP) is an assessment of a practitioner's knowledge and skills through one of two methods:
 - Achieving a passing score on the 100-item, multiple-choice objective recertification examination, based on the content outline of the certification examination
 - OR
 - Earning approved continuing education credit provided by a professional development program approved by BPS (details unavailable at this time).
8. **Examination specifics:**
 - a. **Paper & Pencil or computer-based:** Paper and pencil
 - b. **Number of questions:** 200
 - c. **Question format:** The multiple-choice format is used exclusively. Four possible answers are provided for each question, with only ONE designated as the correct or best choice. It is to the candidate's advantage to answer every question on the examination, since the final score is based on the total number of questions answered correctly. There is no penalty for selecting an incorrect choice.
 - d. **Cost:** Certification Application Fee=\$600, Recertification Application Fee=\$400, Certification Retake Fee (Within 2 Years)=\$300, Recertification Retake Fee (Within 1 Year)=\$200, Annual Fee for All BPS-Certified Pharmacists=\$100 (not required for the year of re-certification)
 - e. **Frequency of exam:** Once yearly. BPS will establish test sites in approximately 50 cities worldwide for administration of its specialty certification examinations.
 - f. **Exam Pass Rate:** Undetermined. First administration scheduled for 2011.
9. **Certification associated with specific training programs?** No
 - a. **Offered by whom?** N/A
10. **Certification exam prep courses/materials available?** Yes
 - a. **Offered by whom?** BPS does NOT provide review information, preparatory courses, or study guides. However, such materials are available from outside organizations, state or local professional associations and colleges of pharmacy. The American College of Clinical Pharmacy, American Pharmacists Association, and the American Society of Health-system Pharmacists plan to provide resources to aid in test preparation.
11. **Other Pertinent Information:**
 - a. BPS is an autonomous division of the American Pharmacists Association (APhA) organized in 1976 as an independent certification agency of APhA.

- b. Each specialty exam has a separate Content Outline (available online) validated through a national survey of pharmacist specialists.
- c. Content Outlines provide details on major areas of responsibility for a specialist, the tasks required to fulfill these responsibilities, and the knowledge that underlies the performance of these tasks.
- d. Each exam question is linked to a specific domain, task, and knowledge statement.
- e. BPS utilizes the psychometric and exam administration services of Professional Examination Service of New York City in administration of its specialty certification programs.

CARDIOLOGY (PHARMACOTHERAPY ADDED QUALIFICATIONS)

1. **Name of credential(s):** Board Certified Pharmacotherapy Specialist with Added Qualifications in Cardiology
2. **Responsible Organization:** Board of Pharmacy Specialties (BPS)
 - a. **Address:** Board of Pharmacy Specialties
2215 Constitution Avenue, NW
Washington, DC 20037
 - b. **Telephone:** 202-429-7591
Fax: 202-429-6304
 - c. **E-mail:** info@bpsweb.org
 - d. **Web site:** www.bpsweb.org
3. **Certification body Accredited? Yes**
 - a. **By what organization?** The National Commission for Certifying Agencies (NCCA)
4. **Disciplines certified (in addition to pharmacists):** None
5. **Eligibility criteria for pharmacists:** The pharmacist must be a current Board Certified Pharmacotherapy Specialist (BCPS). In addition, he/she must submit one electronic copy of a portfolio that contains sufficient information to justify this additional credential and clearly defines the distinction between the individual and other BCPS who do not qualify for this additional recognition. The required elements of the portfolio are listed below:
 - Letter from applicant requesting review of portfolio for purpose of granting Added Qualifications in Cardiology Pharmacotherapy.
 - Detailed summary of each of the elements presented in the application form with examples and timeframes (where applicable) below each statement whether or not included in CV.
 - Current curriculum vitae
6. **Duration of initial certification:** 7 years
7. **Reconfirmation requirements:** Maintenance of BCPS status and resubmission of an electronic portfolio

- 8. Examination specifics:** This qualification does not require an exam beyond the one necessary to become a Board Certified Pharmacotherapy Specialist (BCPS). Please see other sheet for details on the Pharmacotherapy exam. A portfolio is required to receive cardiology added qualifications. Specifics referring to portfolio submission are listed below.
- a. **Cost:** Application for Added Qualifications=\$100, Renewal Application=\$50, Annual Fee for Added Qualifications=No charge, Reconfirmation of Added Qualifications=50% of Current Added Qualifications Application Fee
 - b. **Frequency of portfolio review:** Once yearly (January 1)
- 9. Certification associated with specific training programs? No**
- a. **Offered by whom?** N/A
- 10. Certification exam prep courses/materials available? No**
- a. **Offered by whom?** N/A
- 11. Other Pertinent Information:**
- a. BPS is an autonomous division of the American Pharmacists Association (APhA) organized in 1976 as an independent certification agency of APhA.
 - b. Each specialty exam has a separate Content Outline (available online) validated through a national survey of pharmacist specialists.
 - c. Content Outlines provide details on major areas of responsibility for a specialist, the tasks required to fulfill these responsibilities, and the knowledge that underlies the performance of these tasks.
 - d. Each exam question is linked to a specific domain, task, and knowledge statement.
 - e. BPS utilizes the psychometric and exam administration services of Professional Examination Service of New York City in administration of its specialty certification programs.

GERIATRIC PHARMACY

- 1. Name of credential(s):** Certified Geriatric Pharmacist
- 2. Responsible Organization:** Commission for Certification in Geriatric Pharmacy
 - a. **Address:** 1321 Duke Street
Suite 400
Alexandria, VA 22314-3563
 - b. **Phone:** 1-703-535-3036
 - c. **Email:** info@ccgp.org
 - d. **Website:** <http://www.ccgp.org/>
- 3. Certification body Accredited? No**
 - a. By what organization?
- 4. Disciplines certified (in addition to pharmacists):** None

5. Eligibility criteria for pharmacists:

Applicants must currently be a licensed pharmacist and must have a minimum of two years of experience as a licensed pharmacist. There are no continuing education requirements for certification.

6. Duration of initial certification: 5 years

7. Recertification requirements:

Recertification is by examination or by successful completion of the Professional Development Program for CGP Recertification. Under the Professional Development Program for Recertification, candidates must successfully complete 75 hours of Accreditation Council for Pharmacy Education (ACPE) accredited continuing education programs sponsored by the American Society of Consultant Pharmacists. ASCP uses its website, www.GeriatricPharmacyReview.com and live workshops for delivery of the education programs.

Certified Geriatric Pharmacist is also required to pay a Certification Fee of \$250 in order to maintain their 5 year certification.

8. Examination specifics:

- a. Paper & Pencil or computer-based:** Paper & pencil
- b. Number of questions:** 150
- c. Question format:** multiple choice (3 hours)
- d. Cost:** \$600
- e. Frequency of exam:** 4 testing windows: Jan/Feb, April/May, July/Aug, and Oct/Nov. Exam is administered by appointment only Mon through Fri at 9:00 A.M. and 1:30 P.M. Available dates are scheduled on a first-come, first-served basis.

9. Certification associated with specific training programs? No

- a. Offered by whom?** N/A

10. Certification exam prep courses/materials available? Yes – Self-Assessment Exam (SAE) to help pharmacists measure their knowledge and skills in geriatric pharmacy practice and help candidates prepare for the Certification Examination in Geriatric Pharmacy. Available online (\$85.00) or in print (\$99.00).

2-day preparatory course also available through ASCP.

- a. Offered by whom?** CCGP

11. Other Pertinent Information:

- CCGP contracted with a professional testing company, Applied Measurement Professionals (AMP), to assist in conducting the practice analysis and the examination development and administration
- In 1997, American Society of Consultant Pharmacists (ASCP) Board of Directors voted to create CCGP to oversee the certification program. CCGP is a nonprofit corporation, autonomous from ASCP, and with its own governing Board of Commissioners.
- CCGP is responsible for establishing eligibility criteria to take the Certification Examination in Geriatric Pharmacy and establishing program policies

INFECTIOUS DISEASES (PHARMACOTHERAPY ADDED QUALIFICATIONS)

- 1. Name of credential(s):** Board Certified Pharmacotherapy Specialist with Added Qualifications in Infectious Diseases
- 2. Responsible Organization:** Board of Pharmacy Specialties (BPS)
 - a. Address:** Board of Pharmacy Specialties
2215 Constitution Avenue, NW
Washington, DC 20037
 - b. Telephone:** 202-429-7591
Fax: 202-429-6304
 - c. E-mail:** info@bpsweb.org
 - d. Web site:** www.bpsweb.org
- 3. Certification body Accredited? Yes**
 - a. By what organization?** The National Commission for Certifying Agencies (NCCA)
- 4. Disciplines certified (in addition to pharmacists):** None
- 5. Eligibility criteria for pharmacists:** The pharmacist must be a current Board Certified Pharmacotherapy Specialist (BCPS). In addition, he/she must submit one electronic copy of a portfolio that contains sufficient information to justify this additional credential and clearly defines the distinction between the individual and other BCPS who do not qualify for this additional recognition. The required elements of the portfolio are listed below.
 - Letter from applicant requesting review of portfolio for purpose of granting Added Qualifications in Infection Diseases Pharmacotherapy.
 - Detailed summary of each of the elements presented in the application form with examples and timeframes (where applicable) below each statement whether or not included in CV.
 - Current curriculum vitae
- 6. Duration of initial certification:** 7 years

7. **Renewal requirements:** Maintenance of BCPS status and resubmission of an electronic portfolio
8. **Examination specifics:** This qualification does not require an exam beyond the one necessary to become a Board Certified Pharmacotherapy Specialist (BCPS). Please see other sheet for specifics on the Pharmacotherapy exam. A portfolio is required to receive infectious diseases qualifications. Specifics referring to portfolio submission are listed below.
 - a. **Cost:** Application for Added Qualifications=\$100, Renewal Application=\$50, Annual Fee for Added Qualifications=No charge, Reconfirmation of Added Qualifications=50% of Current Added Qualifications Application Fee
 - b. **Frequency of portfolio review:** Once yearly (January 1)
9. **Certification associated with specific training programs?** No
 - a. **Offered by whom?** N/A
10. **Certification exam prep courses/materials available?** No
 - a. **Offered by whom?** No
11. **Other Pertinent Information:**
 - a. BPS is an autonomous division of the American Pharmacists Association (APhA) organized in 1976 as an independent certification agency of APhA.
 - b. Each specialty exam has a separate Content Outline (available online) validated through a national survey of pharmacist specialists.
 - c. Content Outlines provide details on major areas of responsibility for a specialist, the tasks required to fulfill these responsibilities, and the knowledge that underlies the performance of these tasks.
 - d. Each exam question is linked to a specific domain, task, and knowledge statement.
 - e. BPS utilizes the psychometric and exam administration services of Professional Examination Service of New York City in administration of its specialty certification programs.

NUCLEAR PHARMACY

1. **Name of credential(s):** Board Certified Nuclear Pharmacist (BCNP)
2. **Responsible Organization:** Board of Pharmacy Specialties
 - a. **Address:** 2215 Constitution Avenue, NW
Washington, DC 20037-2985
 - b. **Phone:** 202-429-7591
 - c. **Email:** bps@aphanet.org
 - d. **Website** <http://www.bpsweb.org/>
3. **Certification body Accredited?** Yes
 - a. **By what organization?** National Commission for Certifying Agencies (NCCA)

4. Disciplines certified (in addition to pharmacists): None

5. Eligibility criteria for pharmacists:

- Graduation from accredited pharmacy degree program or successful completion of an alternative education program accepted by BPS
- Current active license to practice pharmacy
- 4,000 hours of education and/or experience in nuclear pharmacy. Hours may be earned through any combination of undergraduate courses, graduate courses, certificate programs, and on-the-job training/experience

6. Duration of initial certification: 7 years

7. Recertification requirements:

Recertification for BCNP is a three-step process:

- Self-evaluation: Review of the nuclear pharmacy practice activities/functions that have changed since initial certification or last recertification
- Peer review: Documentation of nuclear pharmacy practice activities over the 7 year certification period, which are then reviewed by the Specialty Council on Nuclear Pharmacy
- Formal Assessment: This assessment of a practitioner's knowledge and skills will be accomplished through one of two methods: 1) achieving a passing score on the 100-item, multiple-choice objective recertification examination, based on the content outline of the certification examination; or 2) earning 70 hours of continuing education credit provided by a professional development program approved by BPS.

8. Examination specifics:

- a. Paper & Pencil or computer-based:** Paper & pencil
- b. Number of questions:** 200
- c. Question format:** multiple choice
- d. Cost:** \$600 (\$100 recertification fee)
- e. Frequency of exam:** Once a year (1st Saturday of October)
- f. Exam Pass Rate:** ~70% (based on 2009 exam data)

9. Certification associated with specific training programs? No

- a. Offered by whom?**

10. Certification exam prep courses/materials available? Yes, though not endorsed/sponsored by BPS

- a. Offered by whom?** APhA, University of New Mexico College of Pharmacy

12. Other Pertinent Information:

- a.** BPS is an autonomous division of the American Pharmacists Association (APhA) organized in 1976 as an independent certification agency of APhA.
- b.** Each specialty exam has a separate Content Outline (available online) validated through a national survey of pharmacist specialists.

- c. Content Outlines provide details on major areas of responsibility for a specialist, the tasks required to fulfill these responsibilities, and the knowledge that underlies the performance of these tasks.
- d. Each exam question is linked to a specific domain, task, and knowledge statement.
- e. BPS utilizes the psychometric and exam administration services of Professional Examination Service of New York City in administration of its specialty certification programs.

NUTRITION SUPPORT PHARMACY

1. **Name of credential(s):** Board Certified Nutrition Support Pharmacist (BCNSP)
2. **Responsible Organization:** Board of Pharmacy Specialties
 - a. **Address:** 2215 Constitution Avenue, NW
Washington, DC 20037-2985
 - b. **Phone:** 202-429-7591
 - c. **Email:** bps@aphanet.org
 - d. **Website:** <http://www.bpsweb.org/>
3. **Certification body Accredited? Yes**
 - a. **By what organization?** National Commission for Certifying Agencies (NCCA)
4. **Disciplines certified** (in addition to pharmacists): None
5. **Eligibility criteria for pharmacists:**
 - Graduation from a pharmacy degree program accredited by the Accreditation Council for Pharmacy Education (ACPE) or program outside the U.S. that qualifies the individual to practice in the jurisdiction.
 - Current, active license to practice pharmacy in the U.S. or another jurisdiction.
 - Completion of three (3) years practice experience with at least 50% of time spent in nutrition support pharmacy activities (as defined by the BPS Nutrition Support Content Outline) or
 - Completion of a (PGY2) residency* in nutrition support pharmacy.
*Effective January 1, 2013, only residencies accredited by the American Health-System Pharmacists or other recognized bodies are creditable for this purpose.
6. **Duration of initial certification:** 7 years
7. **Recertification requirements:**
Recertification BCNSP is based on the following activities:
 - Earning a minimum of 3.0 continuing education units (CEU) in nutrition support with no less than 1.0 CEU earned every two years. These CEU must be from providers accredited by the Accreditation Council for Pharmacy Education (ACPE). Note: 1.0 CEU equals 10 hours of approved continuing education.

- Achieving a passing score on the 100-item, multiple-choice recertification examination, which is based on the content outline of the certification examination

8. Examination specifics:

- Paper & Pencil or computer-based:** Paper & pencil
- Number of questions:** 200
- Question format:** multiple choice
- Cost:** \$600 (\$100 recertification fee)
- Frequency of exam:** Once a year (1st Saturday of October)
- Exam Pass Rate:** ~69% (based on 2009 exam data)

9. Certification associated with specific training programs? No

- Offered by whom?**

10. Certification exam prep courses/materials available? Yes, though not endorsed/sponsored by BPS

- Offered by whom?** American Society for Parenteral and Enteral Nutrition

13. Other Pertinent Information:

- BPS is an autonomous division of the American Pharmacists Association (APhA) organized in 1976 as an independent certification agency of APhA.
- Each specialty exam has a separate Content Outline (available online) validated through a national survey of pharmacist specialists.
- Content Outlines provide details on major areas of responsibility for a specialist, the tasks required to fulfill these responsibilities, and the knowledge that underlies the performance of these tasks.
- Each exam question is linked to a specific domain, task, and knowledge statement.
- BPS utilizes the psychometric and exam administration services of Professional Examination Service of New York City in administration of its specialty certification programs.

ONCOLOGY PHARMACY

1. Name of credential(s): Board Certified Oncology Pharmacist

2. Responsible Organization: Board of Pharmacy Specialties

- Address:** 2215 Constitution Avenue, NW
a. Washington, DC 20037
- Phone:** 202-429-7591
i. **FAX:** 202-429-6304
- E-mail:** bps@aphanet.org
- Website:** www.bpsweb.org

3. **Certification body Accredited? Yes**
 - a. **By what organization?** National Commission for Certifying Agencies
4. **Disciplines certified** (in addition to pharmacists): None
5. **Eligibility criteria for pharmacists:**
 - Graduation from a pharmacy degree program accredited by the Accreditation Council for Pharmacy Education (ACPE) or a program outside the U.S. that qualifies the individual to practice in the jurisdiction.
 - Current, active license to practice pharmacy in the U.S. or another jurisdiction.
 - Completion of four (4) years of practice experience with at least 50% of time spent in oncology pharmacy activities (as defined by the BPS oncology pharmacy content outline)
or
 - Completion of a PGY2 residency* in oncology pharmacy plus one (1) additional year of practice with at least 50% of time spent in oncology pharmacy activities
* Effective January 1, 2013, only residencies accredited by the American Society of Health-System Pharmacists or other recognized bodies are creditable for this purpose.
 - Achieving a passing score on the Oncology Pharmacy Specialty Certification Examination
6. **Duration of initial certification:** 7 years
7. **Recertification requirements:**
 - Achieving a passing score on the 100-item, multiple-choice objective recertification examination, based on the content outline of the certification examination;
or
 - Earning 100 hours of continuing education credit provided by a professional development program approved by BPS.
8. Examination specifics:
 - a. **Paper & Pencil or computer-based:** Computer
 - b. **Number of questions:** 200
 - c. **Question format:** multiple choice
 - d. **Cost:** \$600
 - e. **Frequency of exam:** Once yearly
 - f. **Exam Pass Rate:** not available
9. **Certification associated with specific training programs?** No
 - a. **Offered by whom?**
10. **Certification exam prep courses/materials available?** Yes; practice exam questions

a. Offered by whom? BPS

11. Other Pertinent Information:

- BPS is an autonomous division of the American Pharmacists Association (APhA) organized in 1976 as an independent certification agency of APhA.
- Each specialty exam has a separate Content Outline (available online) validated through a national survey of pharmacist specialists.
- Content Outlines provide details on major areas of responsibility for a specialist, the tasks required to fulfill these responsibilities, and the knowledge that underlies the performance of these tasks.
- Each exam question is linked to a specific domain, task, and knowledge statement.
- BPS utilizes the psychometric and exam administration services of Professional Examination Service of New York City in administration of its specialty certification programs.

PHARMACOTHERAPY

1. Name of credential(s): Board Certified Pharmacotherapy Specialist (BCPS)

2. Responsible Organization: Board of Pharmacy Specialties (BPS)

- a. Address:** 2215 Constitution Avenue, NW
Washington, DC 20037
- b. Telephone:** 202-429-7591
- Fax:** 202-429-6304
- c. E-mail:** info@bpsweb.org
- d. Web site:** www.bpsweb.org

3. Certification body Accredited? Yes

- a. By what organization?** The National Commission for Certifying Agencies (NCCA)

4. Disciplines certified (in addition to pharmacists): None

5. Eligibility criteria for pharmacists:

- Graduation from a pharmacy degree program accredited by the Accreditation Council for Pharmacy Education (ACPE) or a program outside the U.S. that qualifies the individual to practice in the jurisdiction.
- Current, active license to practice pharmacy in the U.S. or another jurisdiction.
- Achieving a passing score on the Pharmacotherapy Specialty Certification Examination
- Completion of three (3) years of practice experience with at least 50% of time spent in pharmacotherapy activities (as defined by the BPS Pharmacotherapy Content Outline)

or

Completion of a PGY1 residency. (Effective January 1, 2013, only residencies accredited by the American Society of Health-System Pharmacists or other recognized bodies are creditable for this purpose.)

6. **Duration of initial certification:** 7 years
7. **Recertification requirements:** A current, active license to practice pharmacy is required for recertification. In addition, recertification for Board Certified Pharmacotherapy Specialists (BCPS) is an assessment of a practitioner's knowledge and skills through one of two methods:
 - Achieving a passing score on the 100-item, multiple-choice objective recertification examination, based on the content outline of the certification examination
 - or
 - Earning 120 hours of continuing education credit provided by a professional development program approved by BPS.
8. **Examination specifics:**
 - a. **Paper & Pencil or computer-based:** Paper and pencil
 - b. **Number of questions:** 200
 - c. **Question format:** The multiple-choice format is used exclusively. Four possible answers are provided for each question, with only one designated as the correct or best choice. It is to the candidate's advantage to answer every question on the examination, since the final score is based on the total number of questions answered correctly. There is no penalty for selecting an incorrect choice.
 - d. **Cost:** Certification Application Fee=\$600, Recertification Application Fee=\$400, Certification Retake Fee (Within 2 Years)=\$300, Recertification Retake Fee (Within 1 Year)=\$200, Annual Fee for All BPS-Certified Pharmacists=\$100 (not required for the year of re-certification)
 - e. **Frequency of exam:** Once yearly. BPS will establish test sites in 35 cities for the administration of its specialty certification examinations in 2010.
 - f. **Exam Pass Rate:** 70%
9. **Certification associated with specific training programs?** No
 - a. **Offered by whom?** N/A
10. **Certification exam prep courses/materials available?** Yes
 - a. **Offered by whom?** BPS does not provide review information, preparatory courses, or study guides. However, such materials are available from outside organizations, state or local professional associations and colleges of pharmacy. The American College of Clinical Pharmacy offers resources to aid in test preparation.
14. **Other Pertinent Information:**
 - a. BPS is an autonomous division of the American Pharmacists Association (APhA) organized in 1976 as an independent certification agency of APhA.

- b. Each specialty exam has a separate Content Outline (available online) validated through a national survey of pharmacist specialists.
- c. Content Outlines provide details on major areas of responsibility for a specialist, the tasks required to fulfill these responsibilities, and the knowledge that underlies the performance of these tasks.
- d. Each exam question is linked to a specific domain, task, and knowledge statement.
- e. BPS utilizes the psychometric and exam administration services of Professional Examination Service of New York City in administration of its specialty certification programs.

PSYCHIATRIC PHARMACY

1. **Name of credential(s):** Board Certified Psychiatric Pharmacist
2. **Responsible Organization:** Board of Pharmacy Specialties
 - a. **Address:** 2215 Constitution Avenue, NW
Washington, DC 20037-2985
 - b. **Telephone:** 202-429-7591
 - c. **E-mail:** info@bpsweb.org
 - d. **Website:** <http://www.bpsweb.org/specialties/psychiatric.cfm>
3. **Certification body Accredited? Yes**
 - a. **By what organization?** National Commission For Certifying Agencies
4. **Disciplines certified** (in addition to pharmacists): None
5. **Eligibility criteria for pharmacists:** Graduation from a pharmacy degree program accredited by the Accreditation Council for Pharmacy Education (ACPE) or a program outside the U.S. that qualifies the individual to practice in the jurisdiction. Current, active license to practice pharmacy in the U.S. or another jurisdiction. Completion of four (4) years of practice with at least 50% of time spent in psychiatric pharmacy activities (as defined by the BPS Psychiatric Pharmacy Content Outline) or completion of a PGY2 residency* in psychiatric pharmacy plus one (1) additional year of practice with at least 50% of time spent in psychiatric pharmacy activities (as defined by the BPS Psychiatric Pharmacy Content Outline) *Effective January 1, 2013, only residencies accredited by the American Society of Health-System Pharmacists or other recognized bodies are creditable for this purpose.
6. **Duration of initial certification:** 7 years
7. **Recertification requirements:** Achieving a passing score on the 100-item multiple choice recertification examination, based on the content outline of the certification examination or by earning 100 hours of continuing education credit provided by a

professional development program approved by BPS. A current, active license to practice pharmacy is required for recertification.

8. Examination specifics:

- a. Paper & Pencil or computer-based:** paper and pencil
- b. Number of questions:** 200
- c. Question format:** Multiple choice
- d. Length of exam:** 8 hours (including breaks)
- e. Cost:** \$600
- f. Frequency of exam:** Annually on the first Saturday in October

9. Certification associated with specific training programs? No

- a. Offered by whom?**

10. Certification exam prep courses/materials available? Yes

- a. Offered by whom?** College of Psychiatric and Neurologic Pharmacists
<http://cpnp.org/recertification/preparation>

11. Other Pertinent Information:

- a.** BPS is an autonomous division of the American Pharmacists Association (APhA) organized in 1976 as an independent certification agency of APhA.
- b.** Each specialty exam has a separate Content Outline (available online) validated through a national survey of pharmacist specialists.
- c.** Content Outlines provide details on major areas of responsibility for a specialist, the tasks required to fulfill these responsibilities, and the knowledge that underlies the performance of these tasks.
- d.** Each exam question is linked to a specific domain, task, and knowledge statement.
- e.** BPS utilizes the psychometric and exam administration services of Professional Examination Service of New York City in administration of its specialty certification programs.

MULTIDISCIPLINARY CERTIFICATIONS

ANTICOAGULATION CARE

1. **Name of credential(s):** Certified Anticoagulation Care Provider (CACP)
2. **Responsible Organization:** National Certification Board for Anticoagulation Providers (NCBAP)
 - a. **Address:** 333 W. Olmos Dr. #116
San Antonio, TX 78212
 - b. **Telephone:** 866-963-2588
 - c. **E-mail:** info@ncbap.org.
 - d. **Website:** <http://www.ncbap.org/index.aspx>
 - e. **Candidate Handbook:**
http://www.ncbap.org/CACP_Candidate_Handbook_2010.pdf
3. **Certification body Accredited?** No
 - a. **By what organization?**
4. **Disciplines certified** (in addition to pharmacists): Registered Nurse (RN), Advance Practice Nurse (NP), licensed physician (MD), or physician assistant (PA)
5. **Eligibility criteria for pharmacists:** The candidate must hold his/her professional license for a minimum of 2 years prior to the application deadline and must provide a copy of a current United States (or territories) license, registration or certification. When completing the online application, the applicant must attest to having provided a minimum of 750 hours of active anticoagulation patient management. This experience must have been accrued within the 18 months immediately preceding the application deadline. The applicant must also provide a written description of current activities pertaining to anticoagulation therapy management. The written description should be 500 words or fewer and should describe the applicant's general practice and experience specifically in antithrombotic therapy management. Duration and types of activities should be described, including number of patients, practice setting, management of clinic, the applicant's roles and responsibilities, and co-workers, etc. Paragraph format should be used; a resume or curriculum vitae will not suffice. The applicant must provide a work email address (i.e. no hotmail, Gmail, etc.) for his/her direct supervisor so that information provided by the applicant can be verified.
6. **Duration of initial certification:** 5 years
7. **Recertification requirements:** All CACPs must recertify by examination every five (5) years. At least 10 weeks prior to his/her credential expiration date and the desired exam date, an applicant for recertification should submit a new application packet according to

the current application procedures as described on the NCBAP website. The applicant should note available recertification dates and ensure that he/she applies in time to sit for an examination scheduled on or before the date on which his/her credential expires. Applicants for recertification are required to meet the same professional qualification and experience eligibility requirements imposed on first-time applicants.

8. Examination specifics:

- a. Paper & Pencil or computer-based:** computer based
- b. Number of questions:** 160 (150 are graded, 10 are pilot)
- c. Question format:** multiple-choice
- d. Length of exam:** 2.5 hours
- e. Cost:** \$400.00 is due with the application packet. All payments are collected online. Approved testing sites may charge the applicant a fee for administering the exam. Fees charged by exam sites are typically less than \$25. Any such fees should be paid directly to the exam site and are in addition to the application/exam fee charged by the NCBAP.
- f. Frequency of exam:** Approximately two exams per month. The CACP exam is available online but must be taken at an approved exam site on a scheduled exam date.
- g. Score needed to pass:** An applicant must correctly answer 80% of the scored items in order pass the exam.

9. Certification associated with specific training programs? No

- a. Offered by whom?**

10. Certification exam prep courses/materials available? Yes. The NCBAP does not endorse, financially benefit from, nor participate in the development of any preparatory or review courses or other published materials purporting to be study guides for the CACP Examination.

- a. Offered by whom?** <http://health.usi.edu/certificate/anticoagulationtherapy.asp>

ASTHMA EDUCATION

1. Name of credential(s): Certified Asthma Educator (AE-C)

2. Responsible Organization: National Asthma Educator Certification Board (NAECB)

- a. Address:** PO BOX 781275
San Antonio, TX 78278
- b. Telephone:** 877-408-0072
Fax: 210-408-1799
- c. E-mail:** info@naecb.org
- d. Website:** www.naecb.org

3. Certification body Accredited? No

- a. By what organization? N/A**

4. Disciplines certified (in addition to pharmacists):

Licensed or credentialed health care professionals:

Physicians (MD, DO)

Physician Assistants (PA-C)

Nurse Practitioners (NP)

Nurses (RN, LPN)

Respiratory Therapists (RRT, CRT)

Pulmonary Function Technologists (CPFT, RPFT)

Social Workers (CSW)

Health Educators (CHES)

Physical Therapists (PT)

Occupational Therapists (OT)

or

Individuals providing professional asthma education and counseling with a minimum of 1,000 hours experience in these activities. These individuals do not need to be health care professionals. NAECB may verify the eligibility of these candidates by notarized letters from a supervisor.

5. Eligibility criteria for pharmacists: Current license

6. Duration of initial certification: 7 years

7. Recertification requirements: Re-examination

8. Examination specifics:

a. **Paper & Pencil or computer-based:** Computer

b. **Number of questions:** 175 (25 pre-test questions and 150 graded questions)

c. **Question format:** Multiple-choice. The questions with four possible answers (A, B, C, D) appear on the screen. Questions can be skipped, bookmarked, or changed at anytime during the exam. Buttons allow the person taking the exam to move forward and backward throughout the questions. There is no penalty for guessing. A time limit of 3.5 hours is enforced.

d. **Cost:** New candidate=\$295, Repeat candidate=\$195, Recertification fee=\$245

e. **Frequency of exam:** Exams are administered at AMP Assessment Centers located at 110 locations throughout the United States. The examination is administered by appointment only Monday through Saturday at 9:00 a.m. and 1:30 p.m. Candidates are scheduled on a first-come, first-served basis.

f. **Exam Pass Rate:** 67.3%

9. Certification associated with specific training programs? No

a. **Offered by whom?** N/A

10. Certification exam prep courses/materials available? Yes

a. **Offered by whom?** NAECB recognizes that accreditation regulations do not allow for certifying bodies to also provide training to take certification tests. Organizations that have provided courses in the past include the Association of

Asthma Educators, American Lung Association, American Association for Respiratory Care, American College of Asthma, Allergy, & Immunology among others. NAECB is not affiliated with any of these programs. NAECB does, however, offer a Self Assessment Examination (SAE) to provide additional resources for test preparation at a cost of \$65. The SAE is comprised of 75 questions, modeled on the type and style of questions you will see on the actual examination. In addition, NAECB offers a list of references and a detailed content outline to aid in studying.

CARDIOVASCULAR/LIFE SUPPORT

1. **Name of credential(s):** Advanced Cardiovascular Life Support (ACLS), Pediatric Cardiovascular Life Support (PALS)
2. **Responsible Organization:** American Heart Association
 - a. **Address:** 7272 Greenville Ave. Dallas, TX 75231
 - b. **Telephone:** 1-800-AHA-USA-1
 - c. **E-mail:** Local centers
 - d. **Website:**
http://www.heart.org/HEARTORG/CPRAndECC/HealthcareTraining/AdvancedCardiovascularLifeSupportACLS/Advanced-Cardiovascular-Life-Support-ACLS_UCM_001280_SubHomePage.jsp
3. **Certification body Accredited?** No
 - a. **By what organization?**
4. **Disciplines certified** (in addition to pharmacists): For healthcare providers working in emergency treatment, intensive care or critical care, and other professionals who may need to respond to a cardiovascular emergency. As long as you are in the healthcare field, you can take the class.
5. **Eligibility criteria for pharmacists:** No verification of healthcare provider status
6. **Duration of initial certification:** American Heart Association ACLS for Healthcare Providers Course Completion Card valid for two years.
7. **Recertification requirements:** Have to retake the class after two years or a recertification course can be taken before the end of the month in which the card expires.
8. **Examination specifics:**
 - a. **Paper & Pencil or computer-based:** Paper and pencil taken right after the class, includes a skills test

- b. **Cost:** Costs for courses and materials determined by Training Centers or Instructors and may vary. The AHA does not regulate price; however, provides its authorized distributors suggested retail pricing on course materials.
 - c. **Frequency of exam:** Varies
9. **Certification associated with specific training programs?** Yes
- a. **Offered by whom?** Various Centers
10. **Certification exam prep courses/materials available?** Yes
- a. **Offered by whom?** AHA
11. **Other Pertinent Information:** The course is administered through various independent training centers and healthcare facilities therefore times/dates and costs of the program will vary across the nation. The course however is standardized.

CLINICAL PHARMACOLOGY

1. **Name of credential(s):** Accredited in Applied Pharmacology (AP)
2. **Responsible Organization:** American Board of Clinical Pharmacology (ABCP)
 - a. **Address:** American Board of Clinical Pharmacology
Administrative Office
PO Box 40278
San Antonio, Texas 78229-1278
 - b. **Telephone:** (210) 567-8505
 - Facsimile:** (210) 567-8509
 - c. **E-mail:** Colunga@uthscsa.edu
 - d. **Web site:** <http://www.abcp.net/index.html>
3. **Certification body Accredited?** No.
 - a. **By what organization?** N/A.
4. **Disciplines certified (in addition to pharmacists):**
Physician Category
Non-Physician and Non-licensed Physician category
5. **Eligibility criteria for pharmacists:**

Applicants for the ABCP examinations will be judged individually, based on training and experience. The Credentials Committee of the ABCP determines the eligibility of each applicant.

To be eligible for certification by the ABCP, individuals must: 1) MEET THE CRITERIA DEFINED HERE: PHYSICIANS or NON-PHYSICIANS; 2) complete the application forms; 3) provide the supporting credentials required; and 4) pass the examinations in the subsequent examination period.

6. **Duration of initial certification:** No expiration date.
7. **Recertification requirements:** N/A
8. **Examination specifics:**
 - a. **Paper & Pencil or computer-based:** Computer-based
 - b. **Number of questions:** 300
 - c. **Question format:** Varies
 - d. **Cost:** Application fee: \$500.
General Examination (including sub-section examination): \$450.
Late fee: \$200.
TOTAL COST: \$950 or \$1150
 - e. **Frequency of exam:** Bi-Annually.
 - f. **Exam Pass Rate:** Average is about 8 out of 10 students pass.

9. **Certification associated with specific training programs?**

Instructions - Fellowship Training Programs in Clinical Pharmacology
Download Acrobat .pdf *or* MS Word .doc

Qualified fellowship training programs in clinical pharmacology must provide the intellectual environment, formal instruction, peer interaction, and clinical experience necessary for fellows to acquire knowledge, skills, and attitudes essential to the practice of clinical pharmacology. An accredited fellowship program in clinical pharmacology will provide at least two years of well-supervised educational experience.

Application for registration of a clinical pharmacology fellowship program
Download Acrobat .pdf *or* MS Word .doc

Application for accreditation of a clinical pharmacology fellowship program
Download Acrobat .pdf *or* MS Word .doc

- a. **Offered by whom?** Please see list of providers at
<http://www.abcp.net/training.html>

10. **Certification exam prep courses/materials available?** Yes.

- a. **Offered by whom?**

Suggested Preparation: Reading and Reviewing Materials for Examination Candidates

A review of a general text of clinical pharmacology and therapeutics would be appropriate. No one single text is absolutely recommended since the examination for physicians and non-physicians covers a broad spectrum of clinical pharmacology and related therapeutics. Examples of suitable text would be:

Basic and Clinical Pharmacology; Editor B. G. Katzung; Publ. *Appleton and Lange*.

Principles of Clinical Pharmacology; Atkinson, Daniels, Dedrick, Grudsinskas and Markey eds. *Academic Press, 2001.*

Melmon and Morrelli's Clinical Pharmacology, fourth edition, Editors: S. George Carruthers, Brian B. Hoffman, Kenneth L. Melmon, and David W. Nierenberg; published by *McGraw-Hill, Medical Publishing Division, copyright 2000.* (ISBN 0-07-105406-5)

Mant TKG, Lewis LD, Ferro A, Ritter JM. Clinical Pharmacology and Therapeutics: Questions for Self Assessment (Paperback), 256 pages; published by *Hodder Arnold; third Edition (25 April 2008) Language English.* (ISBN-10: 0340947438 & ISBN-13: 978-0340947432).

Reading of the current journals of Clinical Pharmacology is also recommended.

11. Other Pertinent Information:

NOTICE: Future examinations will require that the examinee have completed a Clinical Pharmacology training fellowship, usually of two years duration, at a program in Clinical Pharmacology accredited or registered by the American Board of Clinical Pharmacology.

DIABETES EDUCATION

1. **Name of credential(s):** Certified Diabetes Educator (CDE)
2. **Responsible Organization:** National Certification Board for Diabetes Educators (NCBDE)
 - a. **Address:** National Certification Board for Diabetes Educators
330 East Algonquin Road, Suite 4
Arlington Heights, IL 60005
 - b. **Telephone:** 847-228-9795
Facsimile: 847-228-8469
 - c. **E-mail:** info@ncbde.org
 - d. **Web site:** www.ncbde.org
3. **Certification body Accredited?** No
 - a. **By what organization?** N/A
4. **Disciplines certified (in addition to pharmacists):**

Clinical psychologist, registered nurse, occupational therapist, optometrist, physical therapist, physician (M.D. or D.O.), or podiatrist holding a current, active, unrestricted license from the United States or its territories.

or

Dietitian holding active registration with the Commission on Dietetic Registration, physician assistant holding active registration with the National Commission on Certification of Physician Assistants, or exercise physiologist holding active certification

as an American College of Sports Medicine Registered Clinical Exercise Physiologist® (minimum of a master's degree).

or

Health care professional with 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

Health care professional with a minimum of a master's degree in nutrition, health education, or specified areas of public health from a United States college or university accredited by a nationally recognized regional accrediting body.

5. Eligibility criteria for pharmacists:

A current, active, unrestricted license from the United States or its territories

and

Minimum of two (2) years to the day of professional practice experience in pharmacy

and

Minimum of 1000 hours of diabetes self-management education (DSME) experience with a minimum of 40% of those hours (400 hours) accrued in the most recent year preceding application.

and

Minimum of 15 clock hours of continuing education activities applicable to diabetes within the two (2) years prior to applying for certification.

6. Duration of initial certification: 5 years

7. Recertification requirements:

- Individuals must continue to hold the license or registration for the same discipline held at the time of initial certification. This license or registration must be current, active, and unrestricted at the time of renewal.
- Accrual of a minimum of 1,000 hours of professional practice experience during the five-year certification cycle

Once the individual meets these requirements, renewal of certification must be completed during the calendar year in which a CDE's credential expires and may be done either by continuing education or by taking the Examination

8. Examination specifics:

a. Paper & Pencil or computer-based: Computer

b. Number of questions: 200

c. Question format: Multiple-choice, objective questions. Twenty-five of the 200 questions are new questions that have not been used on previous examinations. Inclusion of these questions allows for collection of meaningful statistics about new questions, but are not used in the determination of individual examination scores. Questions can be skipped, bookmarked, or changed at anytime during the exam. Buttons allow the person taking the exam to move forward and backward

throughout the questions. There is no penalty for guessing. A time limit of 4 hours is enforced.

- d. **Cost:** Initial certification=\$350, renewal=\$250
 - e. **Frequency of exam:** The examination is administered twice a year by computer at more than 170 Assessment Centers throughout the United States and selected international locations. The examination is administered by appointment only, Monday through Saturday at 9:00 a.m. and 1:30 p.m. Available dates will be indicated when scheduling your examination. Scheduling is done on a first-come, first-served basis.
 - f. **Exam Pass Rate:**
9. **Certification associated with specific training programs?** No
- a. **Offered by whom?** N/A
10. **Certification exam prep courses/materials available?** No specific programs listed by NCBDE. NCBDE has developed the CDE® Practice Examination as one possible option for preparing for the Examination. The practice exam is provided in an on-line format that an individual can access from their computer. With 50 multiple-choice questions, the practice exam is illustrative of the type and format of questions included on the actual Examination and allows an individual to practice taking an abbreviated version of the Examination.

11. Other Pertinent Information:

DIABETES MANAGEMENT - ADVANCED

- 1. **Name of credential(s):** Board Certified-Advanced Diabetes Management (BC-ADM)
- 2. **Responsible Organization:** The American Association of Diabetes Educators (AADE)
 - a. **Address:** American Association of Diabetes Educators
200 W. Madison Street, Suite 800
Chicago, IL 60606
 - b. **Telephone:** (800) 338-3633
 - c. **E-mail:** education@aadenet.org
 - d. **Web site:** www.diabeteseducator.org
- 3. **Certification body Accredited?** No
 - a. **By what organization?** N/A
- 4. **Disciplines certified (in addition to pharmacists):** Clinical Nurse Specialists, Nurse Practitioners, and Registered Dietitians.
- 5. **Eligibility criteria for pharmacists:** hold a current active registration, master's degree or higher in pharmacy or currently practice in a state that recognizes collaborative

diabetes clinical practice and within 48 months of sitting for the exam, complete a minimum of 500 clinical practice hours in advanced diabetes management.

6. Duration of initial certification: 5 years

7. Recertification requirements:

- Hold a current, active license in a state or territory of the United States or the professional, legally-recognized equivalent in another country
- Hold a current BC-ADM certification
- Complete the professional development requirements for your certification specialty (must be completed within the 5 years preceding your renewal application submission)
- Complete a minimum of 1,000 practice hours in your certification role and population/specialty (must be completed within the 5 years preceding your renewal application submission)
- Pay the renewal fee.

8. Examination specifics:

- a. **Paper & Pencil or computer-based:** TBD
- b. **Number of questions:** TBD
- c. **Question format:** TBD
- d. **Cost:** TBD
- e. **Frequency of exam:** TBD
- f. **Exam Pass Rate:** N/A

9. Certification associated with specific training programs? No

- a. **Offered by whom?** N/A

10. Certification exam prep courses/materials available? No specific programs were listed by AADE. The AADE states that any available prep courses are not affiliated with their institution. It does, however, include a list of references that may aid in studying for the exam

- a. **Offered by whom?** N/A

11. Other Pertinent Information: In 2001, the American Nurses Credentialing Center (ANCC) and the American Association of Diabetes Educators (AADE) collaborated to create the Advanced Diabetes Management Certification Program. At that time, the ANCC held responsibility for the program. As of January 1, 2010, the AADE has taken over the responsibility of the BC-ADM certification program. As a result of this change in leadership, many details of the exam/certification program remain uncertain. It is expected that many elements will be similar to those used by ANCC. Additional information will follow in August 2010 in preparation for AADE's first exam administration in January 2011.

HIV/AIDS

1. Name of credential(s):
HIV Specialist™ (AAHIVS) or HIV Expert (AAHIVE)
2. Responsible Organization: The American Academy of HIV Medicine (**AAHIVM**)
 - a. **Address:** 1705 DeSales Street NW, Suite 700
Washington, D.C. 20036
 - b. **Telephone:** 202-659-0699
Fax: 202-659-0976
 - c. **E-mail:** info@aahivm.org
 - d. **Web site:** www.aahivm.org
3. **Certification body Accredited?** No
 - a. **By what organization?** N/A
4. **Disciplines certified** (in addition to pharmacists): **MD, DO, PA, or NP**
5. **Eligibility criteria for pharmacists:**
PharmD licensure, direct involvement in the care of the minimum 20 HIV patients is acceptable to meet the experience requirement and complete a minimum of 30 credits of HIV-related Category 1 CME/CEU/CE within the 24 months preceding the date of application
6. **Duration of initial certification:** 2 years
7. **Recertification requirements:**
Providers whose certification has expired and who are recertifying are not subject to any additional requirements than those certifying for the first time.
8. **Examination specifics:**
 - a. **Paper & Pencil or computer-based:** Both
 - b. **Number of questions:** 125
 - c. **Question format:** Case-based, 5-option multiple choice items
 - d. **Cost:** \$290 (online or written exam, add \$25 for registration after June 30)
 - e. **Frequency of exam:** August 16 – September 30 of every year
 - f. **Exam Pass Rate:** not available
9. Certification associated with specific training programs? **No**
 - a. **Offered by whom?** N/A
10. **Certification exam prep courses/materials available?**
The AAHIVM Fundamentals of HIV Medicine - 2007 Edition along with the included 2010/2011 Fundamentals CD Supplement is offered as a resource to prepare for and complete the exam, and also serves as a clinical reference. Fundamentals of HIV Medicine are not included in the exam application fee, but are available for purchase with the credentialing application.

a. Offered by whom? AAHIVM

11. Other Pertinent Information:

Certification programs for pharmacists are three (3) year pilot (2008-2010). The Academy subscribes to a "knowledge management" approach to examining, mirroring activity that would occur in the actual treatment of patients. Accordingly, the examinee may use any printed or online resource available to prepare for and complete the exam, but examinees are required to work independently.

HEALTH INFORMATION TECHNOLOGY

- 1. Name of credential(s):** Certified Professional in Electronic Health Records (CPEHR)
Certified Professional in Health Information Technology (CPHIT)
Certified Professional in Health Information Exchange (CPHIE)

2. Responsible Organization: Health IT Certification

- a. Address:** 3291 West Wilson Rd.
Pahrump, NV 89048
- b. Telephone:** 800-684-4549
- c. E-mail:** registration@HealthITCertification.com
- d. Web site:** <http://www.healthitcertification.com>

3. Certification body Accredited? No

- a. By what organization?**

- 4. Disciplines certified** (in addition to pharmacists): Targeted to those responsible for planning, selecting, implementing, using, and managing electronic health records (EHR), participating in health information exchange (HIE) and other health information technology (HIT). This includes practice administrators, information technology steering committee members, information systems analysts, data analysts, and clinicians (physicians, nurses, and other direct caregivers) evaluating electronic prescribing systems, clinical messaging, electronic health records, and other health information technology.

- 5. Eligibility criteria for pharmacists:** No specific educational or experiential requirements for taking the CPEHR, CPHIE or CPHIT certification examinations. It is recommended that individuals either have healthcare experience with plans to participate in EHR, HIE and/or HIT acquisition, use, and operations; or have information system experience with the intent of assisting healthcare organizations acquire and deploy an EHR, HIE, or HIT.

- 6. Duration of initial certification:** 2 years

- 7. Recertification requirements:** Earn CE and pay the \$100 maintenance of certification fee on a bi-annual basis. Applicable CE activities include attendance at seminars, training programs, audio-conferences, journal clubs, and demonstrations sponsored by healthcare professional associations, societies, or other organizations providing information new to you on EHR, HIT and HIE, as well as other CE activities relating to EHR, HIT and HIE that provide you with new information on EHR, HIT and HIE and are recognized for their contribution by healthcare professional associations, publishers, or other organizations relating to EHR, HIT and HIE (e.g., article on EHR).
- 8. Examination specifics:**
- a. Paper & Pencil or computer-based:** Both
 - b. Number of questions:** 100
 - c. Question format:** multiple choice (2 hours)
 - d. Cost:** Specific cost varies by options chosen. Overall, cost ranges from \$1295 to \$1,695 for the training and certification exam per person, whether taken at a hotel or on the Internet. Individual courses can be taken online for \$145 each. A certificate of completion is provided for each course.
 - e. Frequency of exam:**
 - Programs and exams are offered periodically at hotel locations. Locations are posted on the www.healthitcertification.com/onsitelocations.html website.
 - Programs are also offered in a hybrid model, with one day of four courses offered as a preconference or post-conference, the remaining six to eight courses online, and the exam online.
 - The programs and certification exams are available online.
 - The programs may be conducted as in-house courses for organizations that want to offer the programs internally.
 - f. Exam Pass Rate:** 70-80%
- 9. Certification associated with specific training programs? Yes**
- a. Offered by whom?** Health IT Certification and Medical Education Collaborative
 - Individuals may attend the training program in a seminar setting, or via the Internet to master the EHR, HIE, and/or HIT body of knowledge.
 - Individuals choosing to take either of the certification examinations are demonstrating their interest in achieving a mark of distinction by mastering an important set of knowledge and skills.
 - Groups may wish to attend courses in a seminar setting, have the training program brought to their organization, or sign-up for online training.
 - Any or all of the members of the group may choose to take the certification examinations.
 - Individuals or groups may also take individual courses from the training program online
 - All attendees (live or online) receive certificates of attendance

- 10. Certification exam prep courses/materials available?** No (see training program above)
a. Offered by whom?

11. Other Pertinent Information:

- A candidate does not have to take the training program prior to taking a certification examination. An individual may prepare for the exam in his or her own manner.

LIPIDS

- 1. Name of credential(s):** Clinical Lipid Specialist
- 2. Responsible Organization:** Accreditation Council for Clinical Lipidology (ACCL)
 - a. Address:** 6816 Southpoint Parkway, Suite 1000
Jacksonville, FL 32216
 - b. Phone:** 904-309-6250
Fax: 904-998-0855
 - c. Web site:** www.lipidspecialist.org
- 3. Certification body Accredited?** No
- 4. Disciplines certified** (in addition to pharmacists):
Licensed nurses, nurse practitioners, physician assistants, dietitians, clinical exercise physiologists/specialists and other related health professionals who meet qualifying criteria.
- 5. Eligibility criteria for pharmacists:**
 - PharmD licensure, AND BS/BA degree or higher in related health science and have 3,000 contact hours of demonstrated clinical experience in the management of patients with lipid disorders or other related disorders or Masters degree or higher in related health science and have 2,000 contact hours of demonstrated clinical experience in the management of patients with lipid disorders or other related disorders

PLUS

- Certification by a recognized board (e.g., Board of Pharmacy Specialties,
- Relevant accredited postgraduate training of at least 1 year
- Relevant academic practice and faculty appointment at a recognized institution
- Clinical research and/or scholarly publications in the management of lipid disorders
- 200 points must be obtained from the above criteria (point assignment is available on the website, www.lipidspecialist.org) **Balance of points not

obtained above, must be earned through lipid focused continuing education credit obtained within the previous five calendar years.

6. **Duration of initial certification:** 10 years
7. **Recertification requirements:**
 - Retake the exam prior to expiration of the last certification
 - Demonstrate 100 hours of continuing education completed in the 5 years prior to expiration of certification
8. **Examination specifics:**
 - a. **Paper & Pencil or computer-based:** Computer; 4 hours
 - b. **Number of questions:** 200
 - c. **Question format:** upper-level of difficulty; multiple choice
 - d. **Cost:** \$496 (combined application and examination fee)
 - e. **Frequency of exam:** 4 30-day testing windows (w/application deadlines)
 - f. **Exam Pass Rate:** not available
9. **Certification associated with specific training programs?** Yes; professional development pathway with intermediate to advanced training courses, self-assessment programs, and modules that will help prepare you for the exams
 - a. **Offered by whom?** National Lipid Association
10. **Certification exam prep courses/materials available?**

CLS exam blueprint and the Core Curriculum in Clinical Lipidology

 - a. **Offered by whom?** ACCL
11. **Other Pertinent Information:**

NUTRITION SUPPORT

1. **Name of credential(s):** Certified Nutrition Support Clinician (CNSC)
2. **Responsible Organization:** National Board of Nutrition Support Certification, Inc. (NBNSC)
 - a. **Address:** 8630 Fenton Street, Suite 412,
Silver Spring, MD 20910
 - b. **Telephone:** 301-587-6315
 - c. **Fax:** 301-587-2365
 - d. **E-mail:** nbnsc@nutr.org
 - e. **Website:** www.nutritioncertify.org
 - f. **Candidate Handbook:**
<http://www.nutritioncare.org/WorkArea/showcontent.aspx?id=5226>
3. **Certification body Accredited?** No

- a. **By what organization?**
- 4. **Disciplines certified** (in addition to pharmacists): Registered Nurse (RN), Registered Dietitian (RD), licensed physician (MD), or licensed physician assistant (PA)
- 5. **Eligibility criteria for pharmacists:** NBNSC recommends that candidates have at least two years of experience in specialized nutrition support, but it is not required. Applicants must complete and file an Application for the Certification Examination for Nutrition Support Clinicians and pay the required fee.
- 6. **Duration of initial certification:** 5 years
- 7. **Recertification requirements:** All CACPs must recertify by examination every five (5) years.
- 8. **Examination specifics:**
 - a. **Paper & Pencil or computer-based:** computer based
 - b. **Question format:** multiple-choice
 - c. **Cost:** \$295.00 (\$395.00 for non-ASPEN members) is due with the application packet.
 - d. **Frequency of exam:** Two testing windows per year. Exams must be taken at an exam site on a scheduled exam date.
- 9. **Certification associated with specific training programs?** No

PAIN EDUCATION

- 1. **Name of credential(s):** Credentialed Pain Educator (CPE)
- 2. **Responsible Organization:** American Society of Pain Educators (ASPE)
 - a. **Address:** 6 Erie Street
Montclair, NJ 07042
 - b. **Phone:** 973-233-5570
 - Fax:** 973-453-8246
 - c. **E-mail:** info@paineducators.org
 - d. **Web site:** www.paineducators.org
- 3. **Certification body Accredited?** No
- 4. **Disciplines certified** (in addition to pharmacists):
Any health care professional

5. Eligibility criteria for pharmacists:

- Licensure - Applicant must hold a current license as a healthcare professional.
- Clinical/Professional Experience – Applicant must have at least two (2) years of full-time experience or four (4) years of half-time experience in a position in which at least 10% of the applicant’s time is devoted to providing pain-related education to clinical peers and/or patients (eg, 400 hours of pain education experience). Note: Experience must have accrued within the last five (5) years.
- Certified Continuing Education Activities – Applicant must have completed at least 30 hours (credits) of pain-related educational activities certified for Category 1 CME, CPE, CE, or other professional credit. Note: Credits must have been earned within the last five (5) years.

6. Duration of initial certification: 5 years

7. Recertification requirements:

- Adhere to the ethical standards governing their profession
- Keep their ASPE membership current
- Remain a healthcare professional licensed by a recognized US jurisdiction

8. Examination specifics:

- a. Paper & Pencil or computer-based:** Computer; 3 hours
- b. Number of questions:** 120
- c. Question format:** multiple-choice; 4 choices
- d. Cost:** \$400 (including application and exam registration fees)
- e. Frequency of exam:** One exam window yearly
- f. Exam Pass Rate:** not available

9. Certification associated with specific training programs? No

10. Certification exam prep courses/materials available? Yes; To help candidates prepare for the Certified Pain Educator (CPE) Examination, a list of resources used to prepare examination questions is provided

- a. Offered by whom? ASPE**

11. Other Pertinent Information:

One must be a general member of the ASPE to take the exam

PAIN MANAGEMENT

1. Name of credential(s): Credentialed Pain Practitioner (CPP)

2. Responsible Organization: American Academy of Pain Management (AAPM)

- a. Address: 13947 Mono Way #A
Sonora, CA 95370**

- b. **Phone:** (209) 533-9744
- Fax:** (209) 533-9750
- c. **E-mail:** rosemary@aapainmanage.org
- d. **Web site:** www.aapainmanage.org

3. Certification body Accredited? No

4. Disciplines certified (in addition to pharmacists):

Any doctorate degree, fellow or clinical associate in a related health care field that includes 2 years of experience working with people in pain

5. Eligibility criteria for pharmacists:

- Current licensure to practice, if applicable.
- 100 hours of CMEs (of which 50 are related to pain or pain management) during the four-year time frame.
- Your promise to practice in accordance with the American Academy of Pain Management's Code of Ethics and Patient's Bill of Rights.
- Remaining in good standing with federal and state regulatory agencies and your professional organizations. Maintaining your annual general membership fee.
- Maintaining your re-credentialing fee every 4 years.

6. Duration of initial certification: 4 years

7. Recertification requirements:

- To re-credential you must complete and return the Re-Credentialing Form which will be mailed to you approximately 2 months prior to your re-credentialing due date.
- The following will be requested:
 - Copy of you current license to practice, if applicable.
 - Attestation to:
 - Obtaining 100 hours of CMEs (of which 50 are related to pain or pain management) during the 4-year time frame.
 - Practicing in accordance with the American Academy of Pain Management's Code of Ethics and Patient's Bill of Rights.
 - Remaining in good standing with federal and state regulatory agencies and your professional organizations.
 - Payment of fees:
 - General Membership annual fee - \$195 USD
 - Recredentialing fee - \$100 USD

8. Examination specifics:

- a. **Paper & Pencil or computer-based:** Both; 2 hours
- b. **Number of questions:** 120
- c. **Question format:** not stated
- d. **Cost:** \$695 (including membership, application and exam registration fees)
- e. **Frequency of exam:** Once yearly

- f. **Exam Pass Rate:** not available
- 9. **Certification associated with specific training programs?** No
- 10. **Certification exam prep courses/materials available?** Yes; Study *Weiner's Pain Management, A Practical Guide for Clinicians*, 7th Edition; Take the On-Line Self-Assessment Examination; Attend the Annual Clinical Meeting.
 - a. **Offered by whom?** AAPM
- 11. **Other Pertinent Information:**
 - One must be a general member of the AAPM to take the exam

POISON INFORMATION

- 1. **Name of credential(s):** Certified Specialist in Poison Information
- 2. **Responsible Organization:** American Association of Poison Control Centers (AAPCC)
 - a. **Address:** 515 King Street, Suite 510 Alexandria, VA 22314
 - b. **Telephone:** 703-894-1858
 - c. **E-mail:** info@aapcc.org
 - d. **Web site:** <http://www.aapcc.org/dnn/Home.aspx>
- 3. **Certification body Accredited?** No
- 4. **Examination specifics:**
 - a. **Paper & Pencil or computer-based:** Computer based, administered by Pearson Vue
 - b. **Number of questions:** 160 questions, of which only 125 will be used to determine the candidates score
 - c. **Question format:**
 - d. **Length of exam:** up to 4 hours allowed
 - e. **Cost:**
 - f. **Frequency of exam:** Once a year
 - g. **Exam Pass Rate:**
- 5. **Certification associated with specific training programs?** No
- 6. **Certification exam prep courses/materials available?** No
- 7. **Other Pertinent Information:** No information available on website.

TOXICOLOGY

- 1. **Name of credential(s):** Diplomate of the American Board of Applied Toxicology (DABAT)

2. **Responsible Organization:** American Board of Applied Toxicology (ABAT)
 - a. **Address:** c/o California Poison Control System, San Francisco
951 Calle Verde Martinez, CA 94553
 - b. **Telephone:** (415) 502-6001
 - c. **E-mail:** fcantrel@ucsd.edu
 - d. **Web site:** http://www.clintox.org/ABAT_Main.cfm
3. **Certification body Accredited?** No
4. **Disciplines certified** (in addition to pharmacists): A graduate of a college or university with an earned doctoral degree in a biomedical discipline. Applicants without doctoral degrees must possess a baccalaureate degree in a health science discipline, such as pharmacy or nursing, followed by a minimum of five years of full-time professional experience in applied clinical toxicology. Scholastic coursework is not considered to be professional experience. Applicants holding the Doctor of Medicine, Doctor of Osteopathy, or Doctor of Veterinary Medicine degree are not eligible to sit for the ABAT examination.
5. **Eligibility criteria for pharmacists:** Completion of at least 12 months of post-doctoral training (i.e., residency or fellowship) in clinical toxicology or a closely related field. Applicants without post-doctoral training must have a minimum of at least three years of professional experience related to applied clinical toxicology after completion of their doctoral degree. To be prepared for the examination, candidates should have considerable clinical experience and an understanding of the clinical and environmental factors associated with various types of toxicological problems. Examples of activities related to the practice of applied clinical toxicology include consulting with medical personnel on patient care issues, administrative responsibility for a poison control center with consultative responsibilities, rendering opinions on product toxicity, teaching clinical toxicology to students, practitioners or colleagues, collaborating with medical toxicologists, and research in applied clinical toxicology. Applicants must demonstrate experience in all the areas of clinical, research and teaching activities, and leadership. An abundance of experience in one area will not substitute for lack of experience in another. Applicants holding a degree in a health care profession in which licensing is required must be in good standing with the appropriate jurisdictional board and must be eligible for, or possess, a valid, unrestricted license to practice. A copy of the license must accompany the application. Applicants must be members in good standing of the American Academy of Clinical Toxicology at the time of their application.
6. **Duration of initial certification:** 5 years
7. **Recertification requirements:** Must do so every 5 years (format unknown)
8. **Examination specifics** (http://www.clintox.org/ABAT/ABAT_Exam_Prep.pdf):
 - a. **Paper & Pencil or computer-based:** paper and pencil
 - b. **Number of questions:** 125 short answer, 4 problem solving questions
 - c. **Question format:** The first section is comprised of four multi-part, written, problem-solving case studies. These case studies cover a variety of topics

including acute and chronic exposures, environmental or occupational toxicology, clinical study design and evaluation, expert testimony or the toxicology laboratory. The second is comprised of up to 125 short answer (multiple-choice) questions covering a variety of toxicology topics. These questions are meant to measure diversity of knowledge rather than trivia.

- d. Cost:** \$500
- e. Frequency of exam:** Annually at the North American Congress of Clinical Toxicology (NACCT) typically held during September or October
- f. Exam Pass Rate:** Unknown

9. Certification associated with specific training programs? No

10. Certification exam prep courses/materials available? Yes

- Mometrix Media <http://www.flashcardsecrets.com/abat/>