



Examination Specifications Pediatric Pharmacy Board of Pharmacy Specialties

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| Name of Credential | BPS Board-Certified Pediatric Pharmacy Specialist |
| Certification-Issuing Body | Board of Pharmacy Specialties |
| Designation Awarded | BCPPS |
| Level of Proficiency | Specialty Certification |
| Target Population | Pharmacists who have met the eligibility criteria and who design, implement, monitor, and modify pharmacotherapeutic treatments for pediatric patients |
| Program Purpose | To validate that the pharmacist has the advanced knowledge, skills, and experience necessary to optimize safety and outcomes for the pediatric patient population |
| Eligibility Requirements | <ul style="list-style-type: none">• Graduation from a pharmacy program accredited by the Accreditation Council for Pharmacy Education (ACPE) or a program outside the United States that qualifies the individual to practice in the jurisdiction• Current, active license or registration to practice pharmacy in the United States or another jurisdiction• One of the following, within the past 7 years:<ul style="list-style-type: none">○ At least 4 years of specialty area practice with at least 50% of time spent in the scope defined by the exam content outline○ Completion of PGY-1 pharmacy residency and at least 2 years of specialty area practice experience with at least 50% of time spent in the scope defined by the exam content outline○ Completion of PGY-2 residency in Pediatric Pharmacy <p><i>Residency programs must be accredited by or deemed candidate status by the American Society of Health-System Pharmacists (ASHP) for PGY1, PGY2, and International Pharmacy Practice Residency Programs, or accredited by the Canadian Pharmacy Residency Board (CPRB) for year-1 programs.</i></p> |
| ECO Creation Date | September 2022 |

This document serves as examination specifications and certification scheme according to the respective requirements of the NCCA 2021 and ISO-IEC 17024:2012 standards.

For more information about the BCPPS examination program, please refer to the BPS website and candidate's guide: www.bpsweb.org/specialty-exams/candidates-guide/.

Examination Content Outline

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| 1 | Pediatric Patient Population |
| 1A | Pediatric Patient Characteristics |
| 1A1 | Normal Growth and Development |
| 1A2 | Developmental Pharmacokinetics |
| 1A3 | Pathophysiology |
| 1A4 | Anthropometrics (e.g., growth curves, BSA) |
| 1A5 | Pregnancy and Lactation |
| 1B | Pediatric Patient-Care Considerations |
| 1B1 | Common Health Issues in the Pediatric Population |
| 1B2 | Immunizations |
| 1B3 | Pediatric-Focused Nutrition and Hydration |
| 1B4 | Age and Developmentally Appropriate Interviewing Techniques |
| 1B5 | Laboratory Practices (e.g., blood conservation, timing) |
| 1B6 | Pediatric Calculations (e.g., fluid requirements, renal function estimates) |
| 2 | Therapeutics and Patient Management |
| 2A | Treatment Planning |
| 2A1 | Patient History Evaluation |
| 2A2 | Diagnosis and Diagnostic Testing |
| 2A3 | Pharmacodynamics and Pharmacokinetics |
| 2A4 | Pharmacogenomics |
| 2A5 | Goals of Care and Treatment |
| 2A6 | Social Determinants of Health |
| 2A7 | Pediatric-Specific Doses and Dosage Forms |
| 2B | Therapeutic Implementation |
| 2B1 | Pharmacotherapy (e.g., medications, supplements, herbals) |
| 2B2 | Non-Pharmacologic Treatments and Lifestyle Modification |
| 2B3 | Interprofessional Care Coordination |
| 2B4 | Medication Reconciliation and Optimization |
| 2B5 | Medication Delivery (e.g., formulations, routes of administration, delivery devices, anatomic alterations) |
| 2B6 | Education, Counseling, and Support Resources for Patients, Family, and Caregiver |
| 2B7 | Pediatric Emergency Response (e.g., NRP, PALS) |
| 2C | Treatment Outcomes and Monitoring |
| 2C1 | Therapeutic Targets and Endpoints |
| 2C2 | Therapeutic and Physiological Monitoring |
| 2C3 | Adverse Drug Events |
| 2C4 | Drug Interactions |
| 2C5 | Laboratory Assessment for Pediatric Population |
| 2C6 | Pediatric-Specific Scoring Systems (e.g., CAPD, WAT-1) |
| 3 | Professional Practice |
| 3A | Quality of Care |
| 3A1 | Population Health |
| 3A2 | Preventative Care |
| 3A3 | Continuity of Care |
| 3A4 | Clinical Practice Guidelines |
| 3A5 | Medication Safety |

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| 3B | Practice Management |
| 3B1 | Professional Practice Standards, Guidelines, and Regulations |
| 3B2 | Ethics and Patient Advocacy |
| 3B3 | Research Methods and Statistics |
| 3B4 | Pediatric Subjects Research (e.g., IRB/IEC, participant and caregiver consent) |
| 3B5 | Pharmacoeconomics (e.g., cost-containment, formulary management) |
| 3B6 | Clinical Informatics |
| 3B7 | Emergency Preparedness and Drug Shortage Resources |

The examination content outline is a product of a job analysis (aka role delineation study) that includes facilitation of discussions with a representative panel of 15-20 subject matter experts who identify competencies required for safe and effective pharmacy practice in this specialty area as well as a validation survey soliciting endorsement of the identified competencies from certified pharmacists in this specialty area. The job analysis process is conducted every 5 years to help ensure that the competencies in the examination content outline reflect current pharmacy practice in the specialty area.

Examination Administration and Scoring

| <u>Number of Examination Items</u> | | Certification Exam | Recertification Exam |
|------------------------------------|--|--------------------|----------------------|
| 1 | Pediatric Patient Population | 31 | 26 |
| 1A | Pediatric Patient Characteristics | 14 | 11 |
| 1B | Pediatric Patient-Care Considerations | 17 | 15 |
| 2 | Therapeutics and Patient Management | 63 | 50 |
| 2A | Treatment Planning | 20 | 16 |
| 2B | Therapeutic Implementation | 22 | 18 |
| 2C | Treatment Outcomes and Monitoring | 21 | 16 |
| 3 | Professional Practice | 31 | 24 |
| 3A | Quality of Care | 15 | 12 |
| 3B | Practice Management | 16 | 12 |
| SCORED ITEMS | | 125 | 100 |
| PRETEST ITEMS | | 25 | -- |
| TOTAL | | 150 | 100 |

The certification examination includes unscored pretest items that are embedded within the test and represent new items that are being trialed before use as a scored item in subsequent forms of the examination.

| | Certification Exam | Recertification Exam |
|---------------------------------|--------------------|----------------------|
| Exam Administration Time | 3 hours 45 minutes | 2 hours 30 minutes |
| Minimum Score | 200 | 200 |
| Minimum Passing Score | 500 | 500 |
| Maximum Score | 800 | 800 |

Maintenance of Certification

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| Recertification Requirements | <p>Pharmacists who earn the BCPPS designation will be required to maintain their certification over a 7-year period by completing one of the following recertification pathways:</p> <ul style="list-style-type: none"> • Achieving a passing score on the BCPPS recertification examination in their seventh year following certification • Earning 100 hours of BPS-approved continuing pharmacy education (CPE) credit provided by the professional development programs offered by the American College of Clinical Pharmacy (ACCP) and/or the American Society of Health-System Pharmacists (ASHP) and/or the Pediatric Pharmacy Association (PPA) <p><i>The Pediatric Pharmacy Preparatory Review and Recertification Course offered by either of the approved providers may only be completed for recertification credit up to two times, in nonconsecutive years, during the 7-year recertification cycle.</i></p> |
| Ethics and Professionalism | <p>The Board of Pharmacy Specialties ascribes to the belief that certification carries an obligation for ethical behavior and professionalism necessary in all conduct. Candidates or certificants who are found to have exhibited unethical behavior or lack of professionalism may be prevented from pursuing certification or may be subject to suspension or withdrawal of certification, at the discretion of the Board of Pharmacy Specialties.</p> <p>Please refer to the BPS Ethics and Professionalism Policy: https://www.bpsweb.org/wp-content/uploads/2015/11/ethics.pdf</p> |