

# Trends in Advanced Pharmacy Practice and Professional Development Through Board Certification

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# Presentation Disclosure

**No Disclosures**

# Presentation Overview

## Objectives

### Pharmacists/Pharmacy Technicians

Upon conclusion of the program, the participant should be able to:

- Define credentialing terms used in pharmacy
- Recognize trends and drivers in board certification, advanced practice, and specialization
- Identify the alignment of pharmacy practice, training, and board certification
- Describe the board certification and recertification processes










# Board of Pharmacy Specialties (BPS): History and Purpose

- ❑ **1973:** Task Force on Specialties in Pharmacy created by the House of Delegates of the **American Pharmacists Association (APhA)**
- ❑ **1976:** BPS was organized as an autonomous division of APhA
  - ❑ Recognized specialty practice areas
  - ❑ Define standards for recognized specialty areas
  - ❑ Evaluate knowledge and skills of individual pharmacy specialists
  - ❑ Communicate importance of specialization
- ❑ **2017:** Commission for Certification in Geriatric Pharmacy
  - ❑ Transferred the Certified Geriatric Pharmacists (CGP) credential to BPS

# About the Board of Pharmacy Specialties

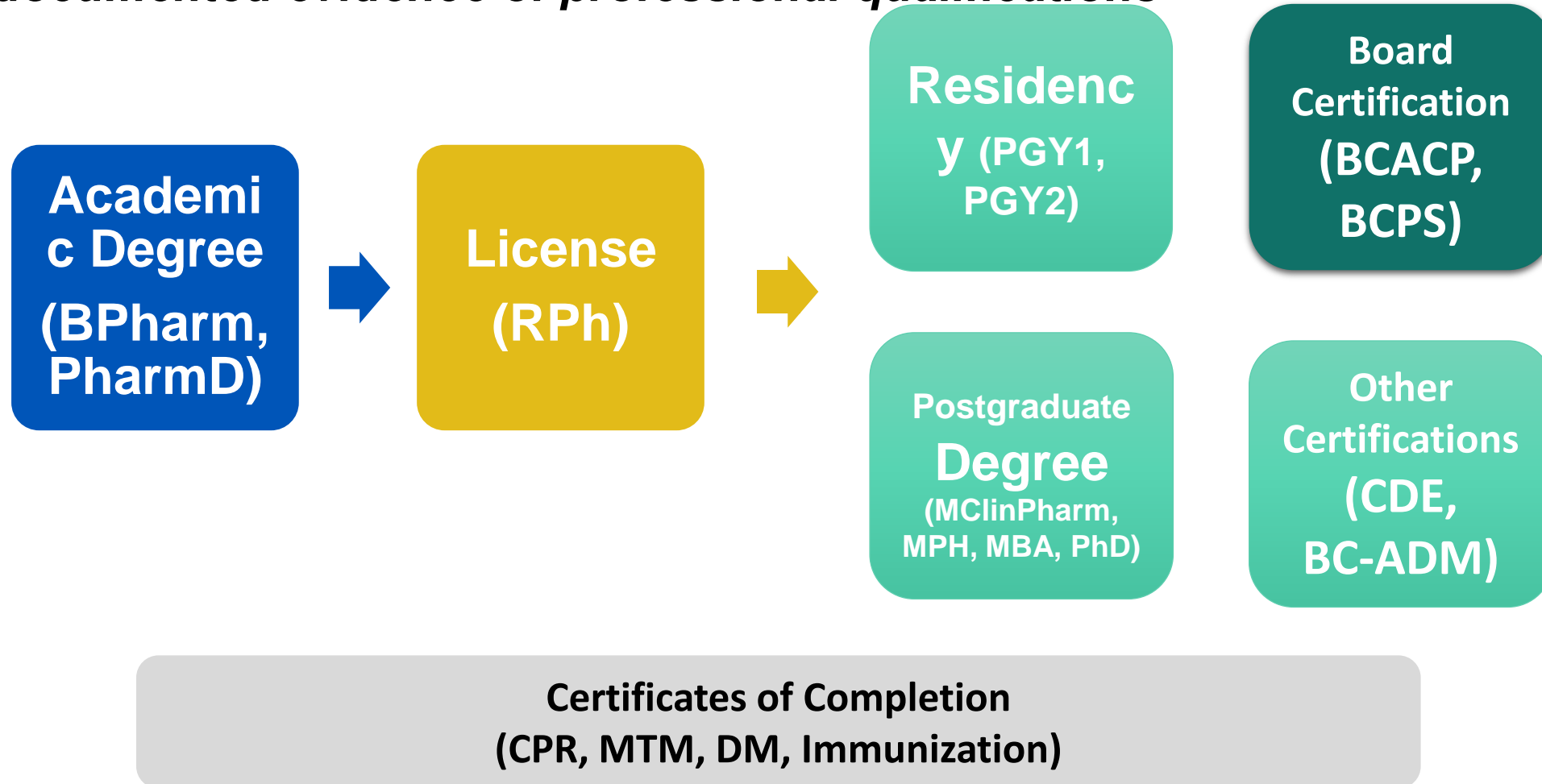
## Governance and Credentials

### Board of Directors

 <p>Specialty Council on <b>Nuclear Pharmacy</b> (1978) [BCNP]</p>	 <p>Specialty Council on <b>Nutrition Support Pharmacy</b> (1988) [BCNSP]</p>	 <p>Specialty Council on <b>Pharmacotherapy</b> (1988) [BCPS] AQ-ID and AQ-Cardiology</p>	 <p>Specialty Council on <b>Psychiatric Pharmacy</b> (1994) [BCPP]</p>	 <p>Specialty Council on <b>Oncology Pharmacy</b> (1996) [BCOP]</p>
 <p>Specialty Council on <b>Ambulatory Care Pharmacy</b> (2009) [BCACP]</p>	 <p>Specialty Council on <b>Critical Care Pharmacy</b> (2013) [BCCCP]</p>	 <p>Specialty Council on <b>Pediatric Pharmacy</b> (2013) [BCPPS]</p>	 <p>Specialty Council on <b>Geriatric Pharmacy</b> (1997) [BCGP] <i>Moved to BPS in 2017</i></p>	<p>Specialty Council on <b>Cardiology Pharmacy</b> (2017) [BCCP]</p>
<p>Specialty Council on <b>Infectious Diseases Pharmacy</b> (2017) [BCIDP]</p>	<p>Specialty Council on <b>Compounded Sterile Preparations Pharmacy</b> (2018) [BCSCP]</p>	<p>Specialty Council on <b>Solid Organ Transplantation Pharmacy</b> (2018) [BCTXP] <i>First Exam Fall 2020</i></p>	<p><b>Emergency Medicine Pharmacy</b> <i>Petition Received</i> <i>First Exam Fall 2022?</i></p>	<p><b>Pain Management Pharmacy</b> <i>Role Delineation Study</i> <i>to be developed</i></p>

# Credentials

*“documented evidence of professional qualifications”*



# Board Certification Overview

*“validation of knowledge, skills, and experiences”*

- ❑ Initial Certification
  - ❑ Examination
    - ❑ Psychometrically sound and defensible
      - ❑ Role Delineation Study (RDS)
      - ❑ Content Outline
    - ❑ Modified-Angoff Method
- ❑ Renewal of Certification
  - ❑ Recertification by Examination
  - ❑ Recertification by Professional Development



# Test your Knowledge #1

- Which one of the following professional pharmacy associations is BPS an autonomous division?
- A. American College of Clinical Pharmacists
  - B. American Society of Consultant Pharmacists
  - C. American Society of Health-System Pharmacists
  - D. American Pharmacists Association



## Test your Knowledge #2

- Which one of the following pharmacy practice areas has BPS received a petition from the profession to be recognized as a new specialty area?
- A. Ambulatory Care Pharmacy
  - B. Critical Care Pharmacy
  - C. Emergency Medicine Pharmacy
  - D. Pharmacotherapy

## Test your Knowledge #3

- Which one of the following credentials can be granted to student pharmacists during their PharmD degree program?
- A. Certificate of Completion (CPR, Immunization)
  - B. License (RPh)
  - C. Residency training (PGY1, PGY2)
  - D. Board Certification (BCPS)

# American Board of Medical Specialties (ABMS) Qualitative and Quantitative Consumer Research

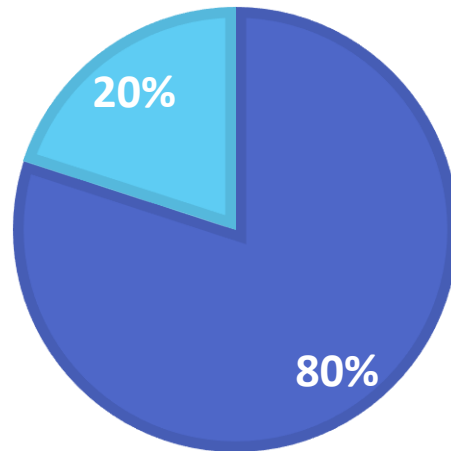
## Why Certification Matters: What Consumers say about Board Certification

- 82% It is important
- 98% Expect doctors to stay up to date
- 95% Doctors should be required to stay up to date
- 95% Expect doctors to participate in ongoing education and assessment
- 77% Board Certification equals higher quality of care
- 67% They consider Board Certification when selecting a doctor
- 85% Hospitals should be able to require Board Certification

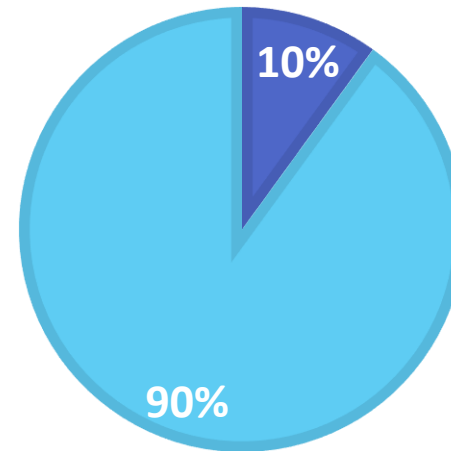
# Board Certification in the United States

## Trends

Board Certified  
Physicians

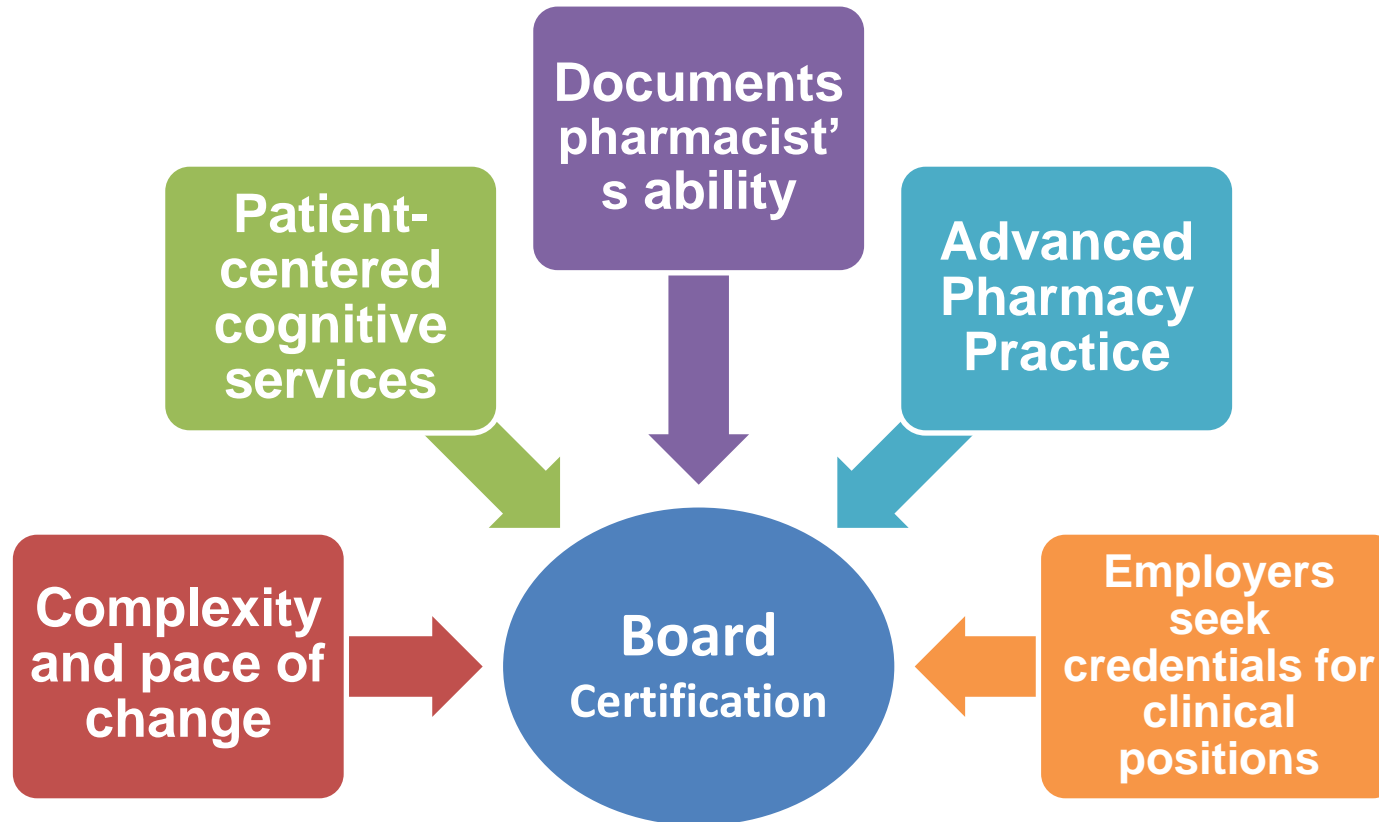


Board Certified  
Pharmacists

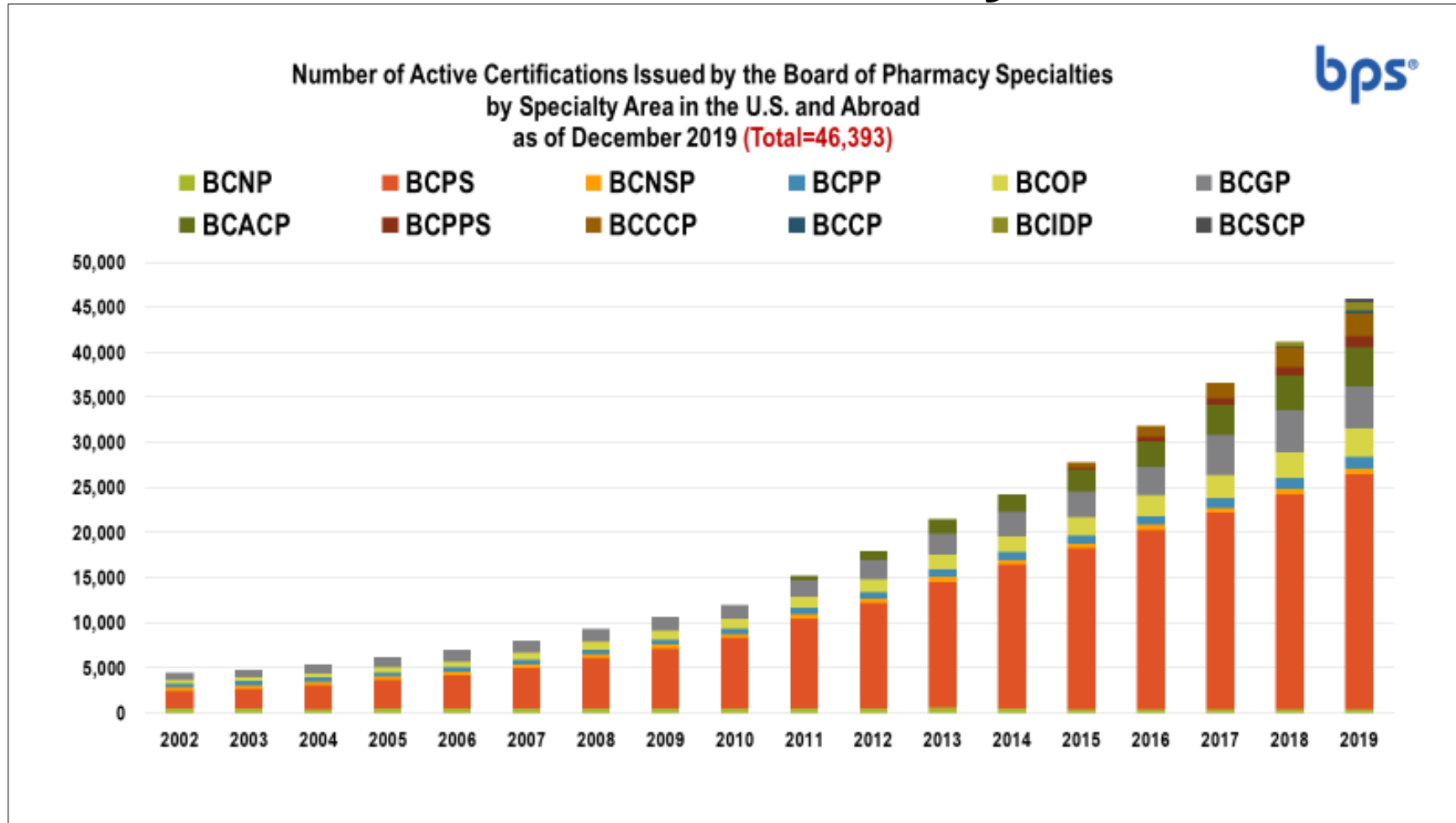


# Board Certification in the United States

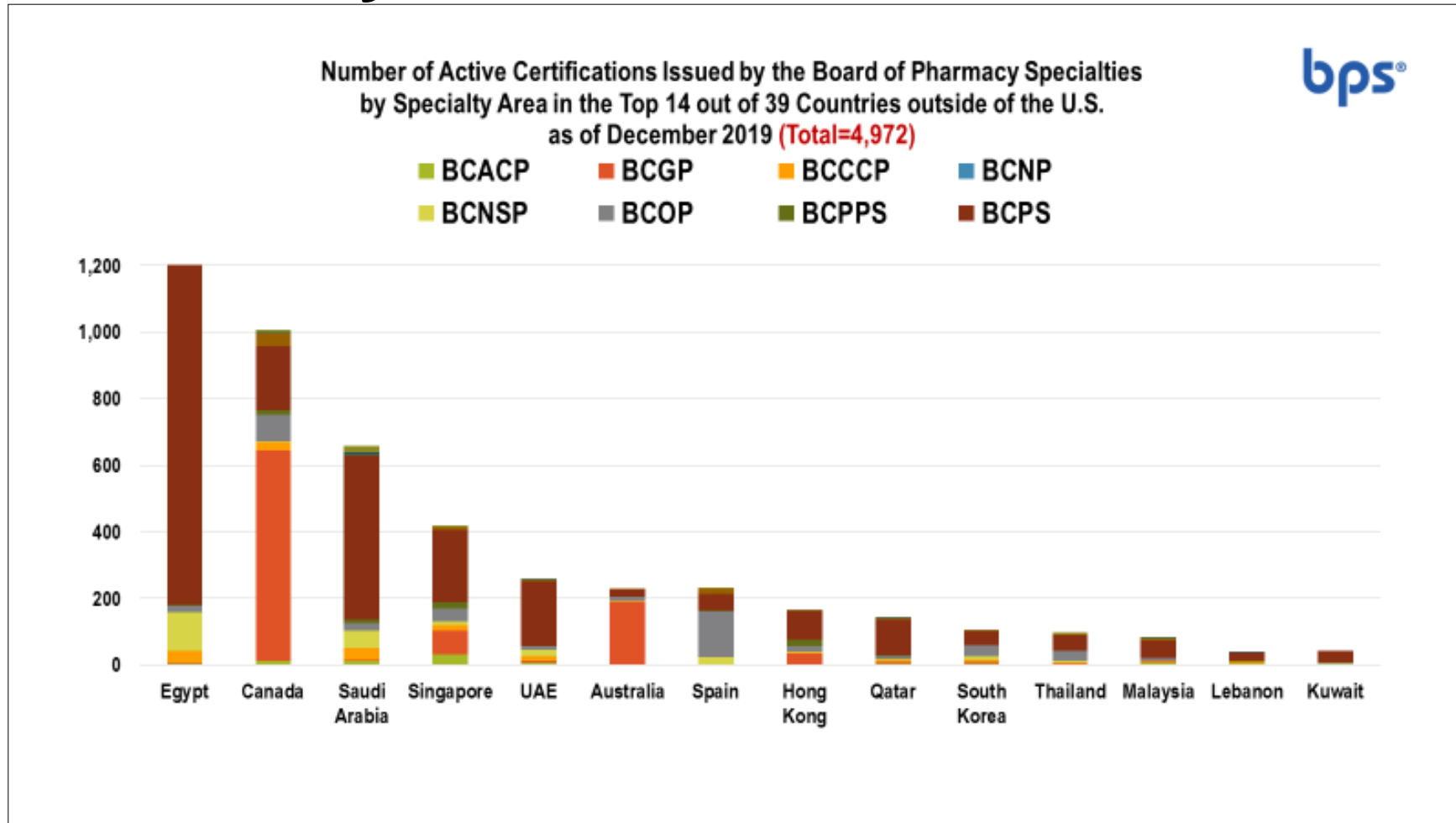
## Drivers



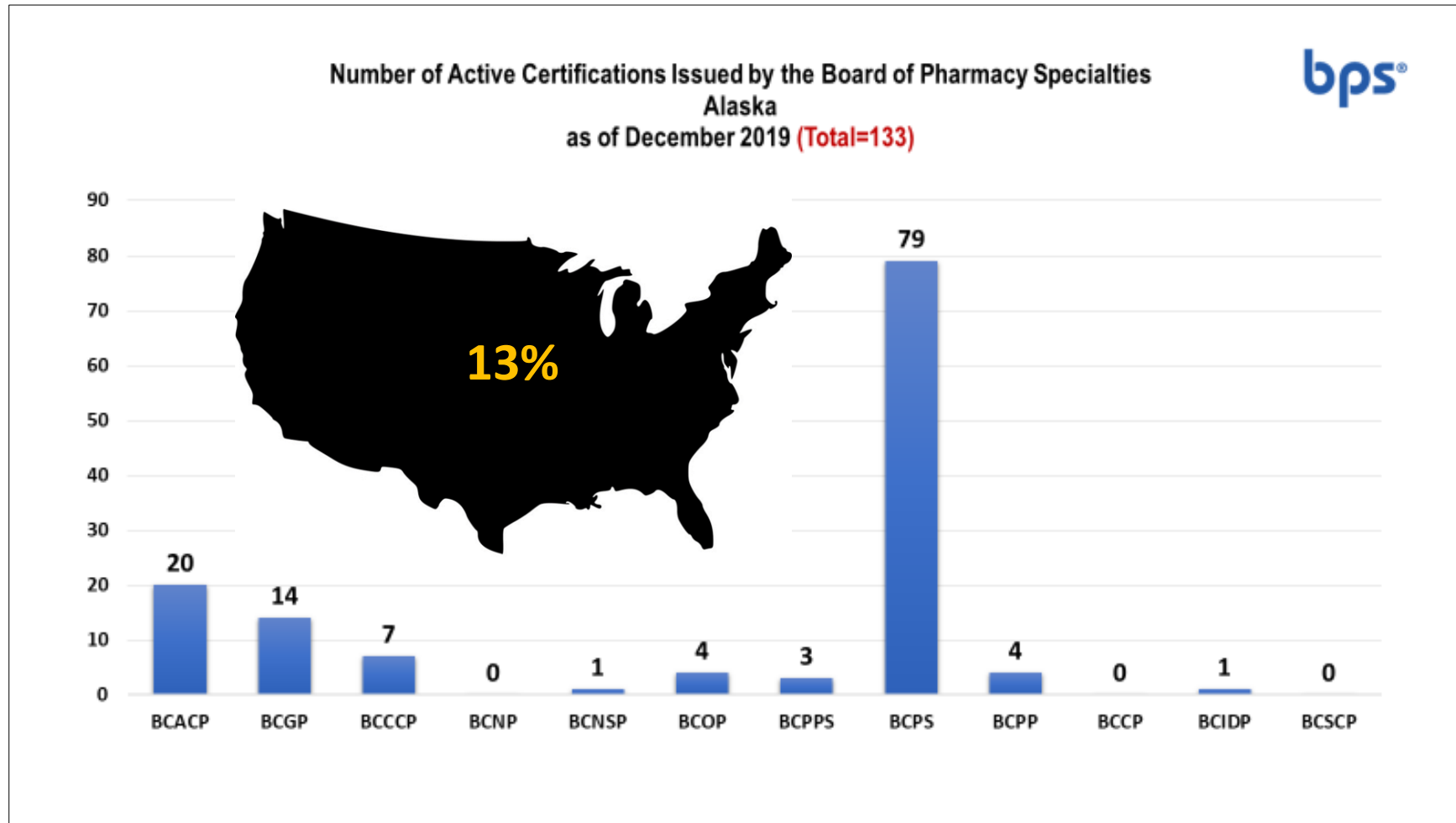
# BPS Board Certification Growth Chart: United States and Internationally



# BPS Board Certification Growth Chart: Internationally

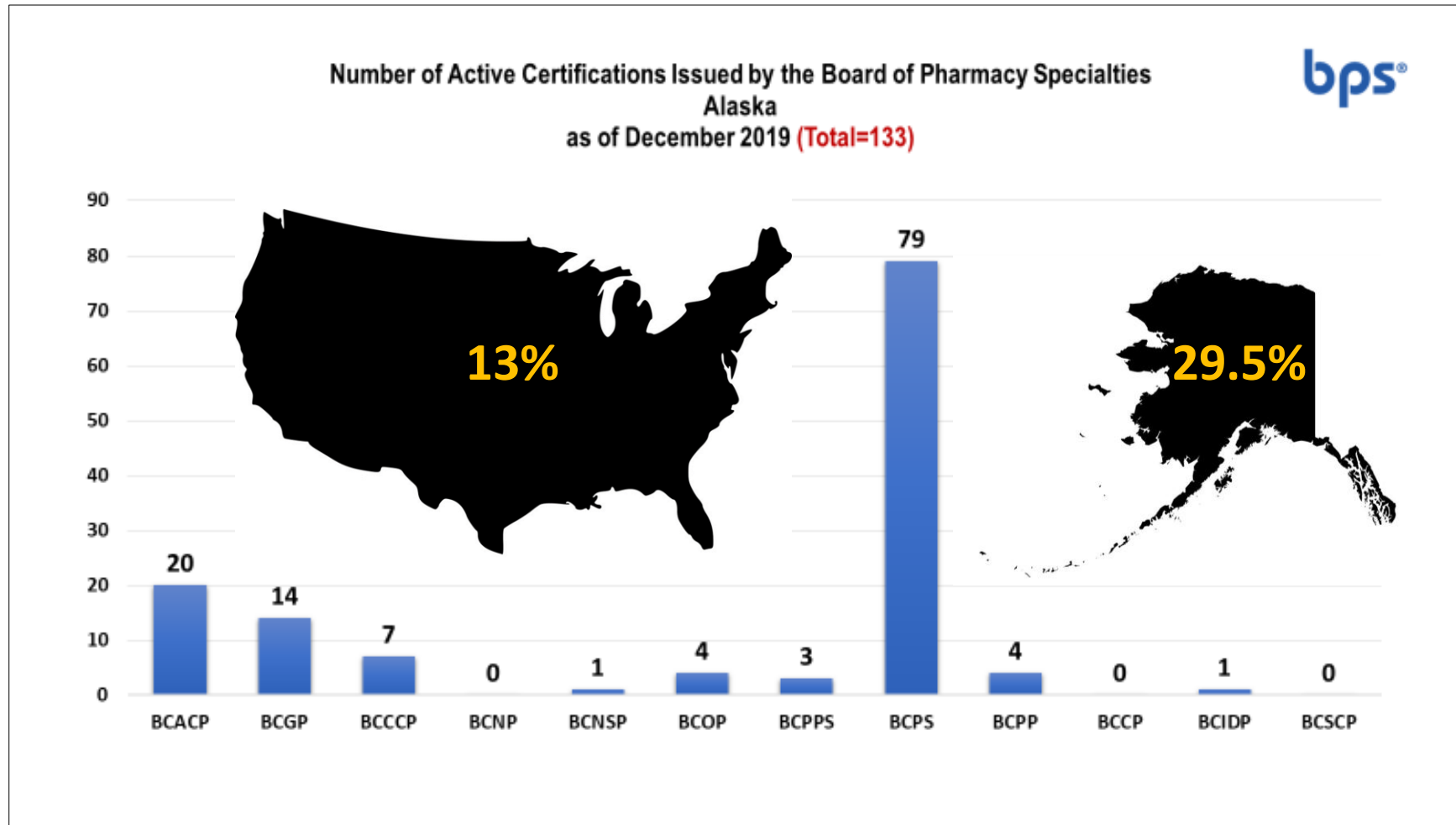


# BPS Board Certification Growth Chart: United States vs Alaska





# BPS Board Certification Growth Chart: United States vs Alaska



# Advanced Pharmacy Practice

## Board Certification in U.S. State Regulations or Statutes

- Collaborative Drug Therapy Management (CDTM)



- Collaborative Practice Agreement (CPA)



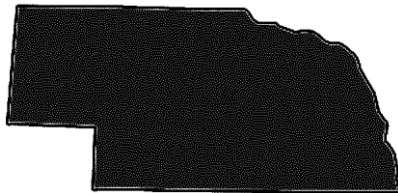
# Advanced Pharmacy Practice

## Board Certification in U.S. State Regulations or Statutes

- Medication Therapy Management (MTM) certificate



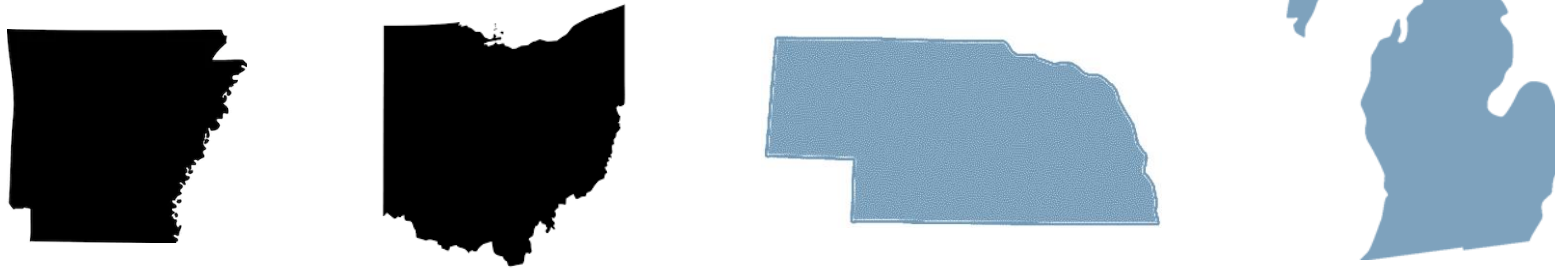
- Demonstrates current competency (reciprocity?)



# Advanced Pharmacy Practice

## Board Certification in U.S. State Regulations or Statutes

- In lieu of state CE requirements



- Receive three (3) contact hours of CE upon successful passing of initial exam



## Test your Knowledge #4

Which one of the following options is **NOT** a driver for board certification?

- A. Advanced Pharmacy Practice in state regulations and statutes
- B. Board certification positioned to replace pharmacy education
- C. Employers seek credentials for clinical pharmacy positions
- D. Profession shifting from product-centered to patient-centered

## Test your Knowledge #5

- Which one of the following BPS specialty areas has the largest number of active certification issued?
- A. Ambulatory Care Pharmacy
  - B. Geriatric Pharmacy
  - C. Pharmacotherapy
  - D. Psychiatric Pharmacy

## Test your Knowledge #6

Which one of the following state regulations or statutes is board certification **NOT** a pathway requirement?

- A. Collaborative Drug Therapy Management (CDTM)
- B. Collaborative Practice Agreement (CPA)
- C. Continuing education requirements
- D. Medicare Part B Provider Status

# Current BPS Specialty Areas

- Ambulatory Care Pharmacy
- Cardiology Pharmacy
- Critical Care Pharmacy
- Compounded Sterile Preparations Pharmacy
- Geriatric Pharmacy
- Infectious Diseases Pharmacy
- Nuclear Pharmacy
- Nutrition Support Pharmacy
- Oncology Pharmacy
- Pediatric Pharmacy
- Pharmacotherapy
- Psychiatric Pharmacy
- Solid Organ Transplantation Pharmacy (Fall 2020)
- Emergency Medicine Pharmacy (Fall 2022?)



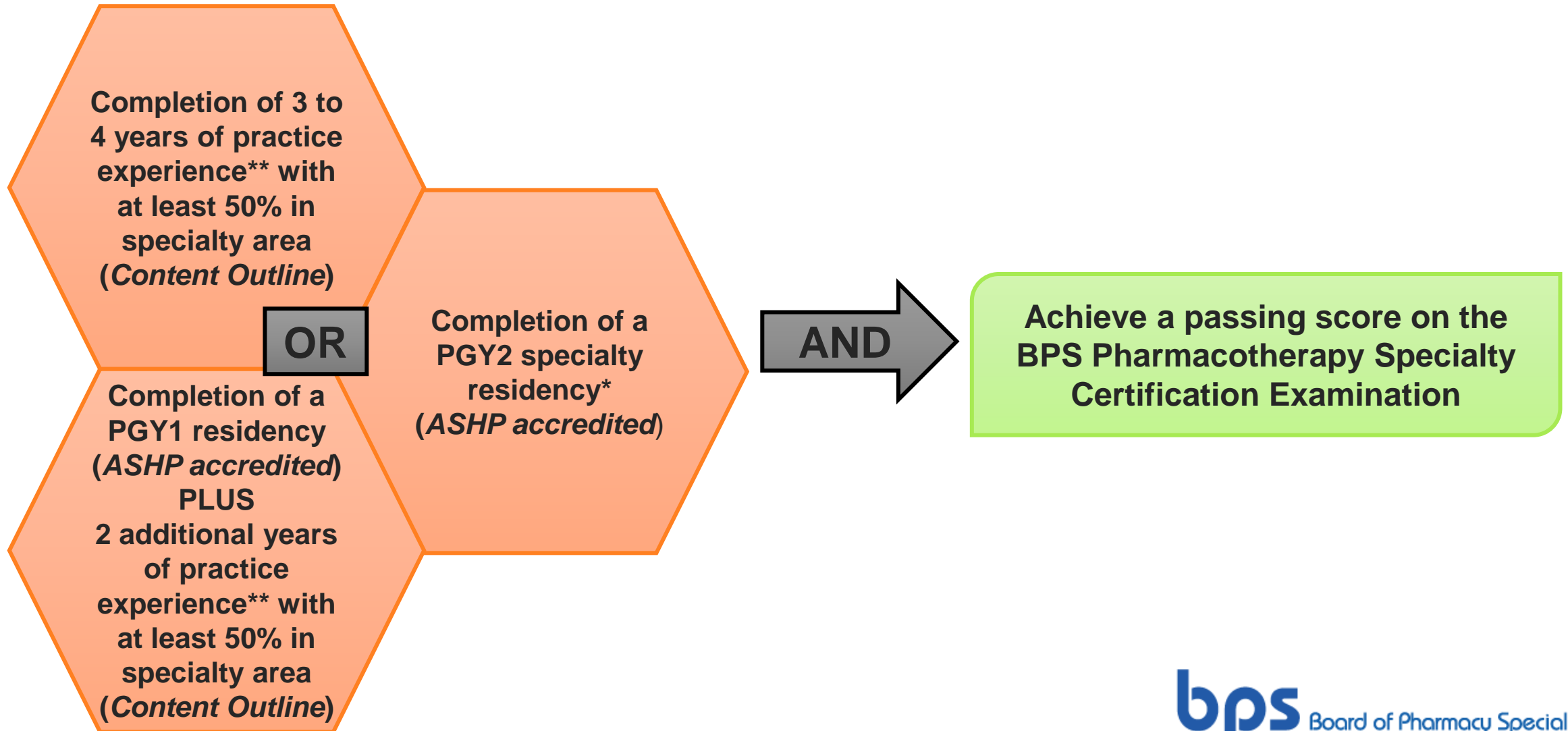
# BPS Specialty Certification Eligibility Criteria

**Graduation from pharmacy  
program accredited by the  
Accreditation Council for  
Pharmacy Education (ACPE)**

**AND**

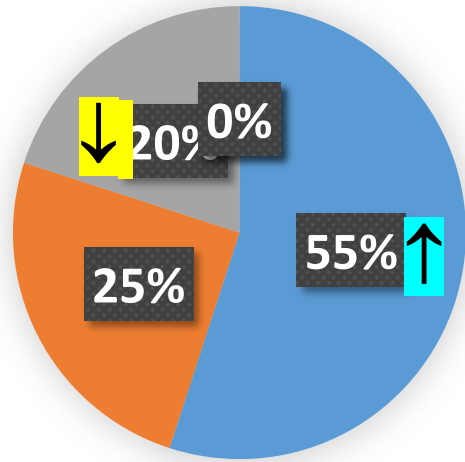
**Current, active license to  
practice pharmacy**

# BPS Specialty Certification Eligibility Criteria



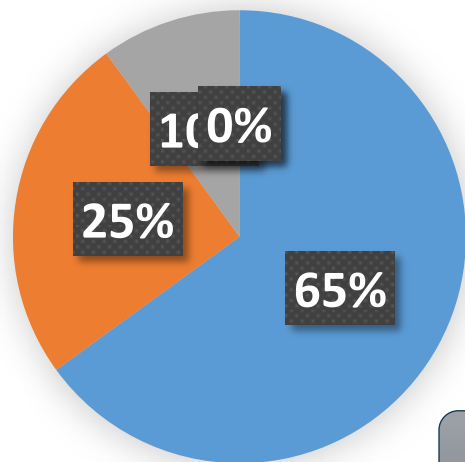
# Pharmacotherapy Specialty Certification

## Evolving Exam Content Outline



### Exam Content through Spring 2020

- **Domain 1** – Patient-Centered Pharmacotherapy
- **Domain 2** – Drug Information and Evidence Based Medicine
- **Domain 3** – System-Based Standards and Population-Based Pharmacotherapy



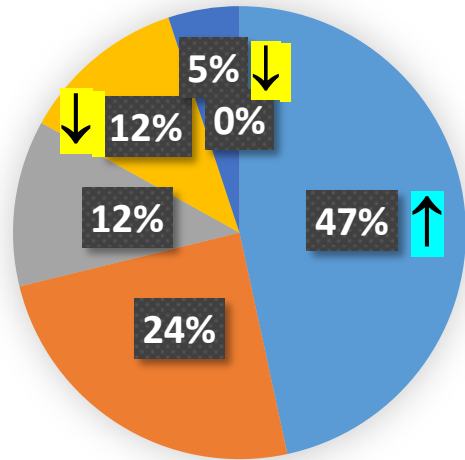
### Exam Content beginning Fall 2020

- **Domain 1** – Patient-Centered Pharmacotherapy
- **Domain 2** – Application of Evidence to Practice and Education
- **Domain 3** – Healthcare Systems and Population Health

Latest Content Outline at  
[www.bpsweb.org/bps-specialties/pharmacotherapy/](http://www.bpsweb.org/bps-specialties/pharmacotherapy/)

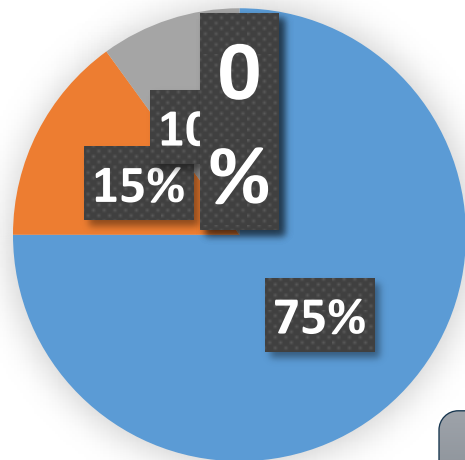
# Ambulatory Care Pharmacy Specialty Certification

## Evolving Exam Content Outline



### Exam Content through Spring 2020

- **Domain 1** – Patient-Centered Care: Ambulatory Care Pharmacotherapy
- **Domain 2** – Patient-Centered Care: Collaboration and Patient Advocacy
- **Domain 3** – Translation of Evidence into Practice
- **Domain 4** – Practice Models and Policy
- **Domain 5** – Population and Public Health

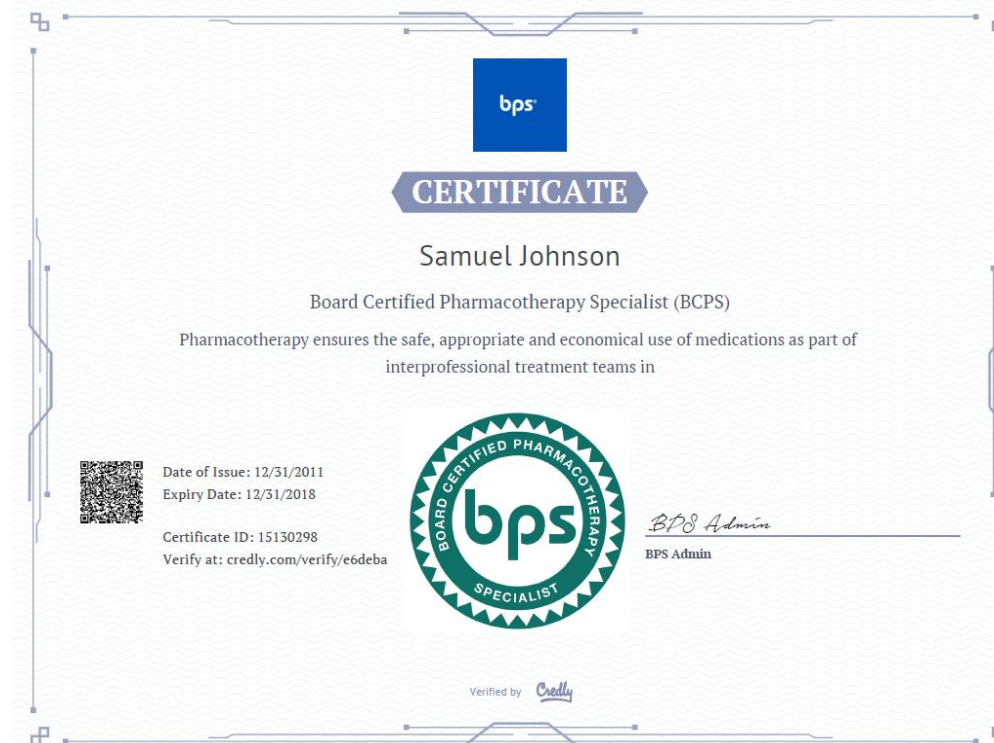


### Exam Content beginning Fall 2020

- **Domain 1** – Patient-Centered Ambulatory Care
- **Domain 2** – Translation of Evidence into Ambulatory Care Practice
- **Domain 3** – Ambulatory Care Practice Advancement

Latest Content Outline at  
[www.bpsweb.org/bps-specialties/ambulatory-care/](http://www.bpsweb.org/bps-specialties/ambulatory-care/)

# Digital Badging



# BPS PGY2 Seed Grant Recipients

2018

*Assessment of the perceived value of board certification among employers of pharmacists*



Julie Dopheide,  
PharmD, BCPP



Fay Goldenshteyn,  
PharmD

University of Southern California (USC) Los Angeles, CA

2019

*Assessment of patients' perceptions on antimicrobial stewardship and attitudes towards board-certified clinical pharmacists within the movement to reduce antimicrobial resistance*



Sheila Wang,  
PharmD, BCPS



Justin Moore,  
PharmD

Midwestern – Chicago College of Pharmacy and  
Northwestern Memorial Hospital in Chicago, IL

*Association of board certification with acceptance of, and cost avoidance from, clinical pharmacy services in the ICU and ED*



Drayton Hammond,  
PharmD, BCPS, BCCCP



Edith Liang,  
PharmD

Rush University Medical Center Chicago, IL

*Prevalence and Value of Board Certification Among Pharmacy Practice Faculty at Colleges and Schools of Pharmacy in the United States*



Angela Bingham,  
PharmD, BCPS, BCNSP,  
BCCCP



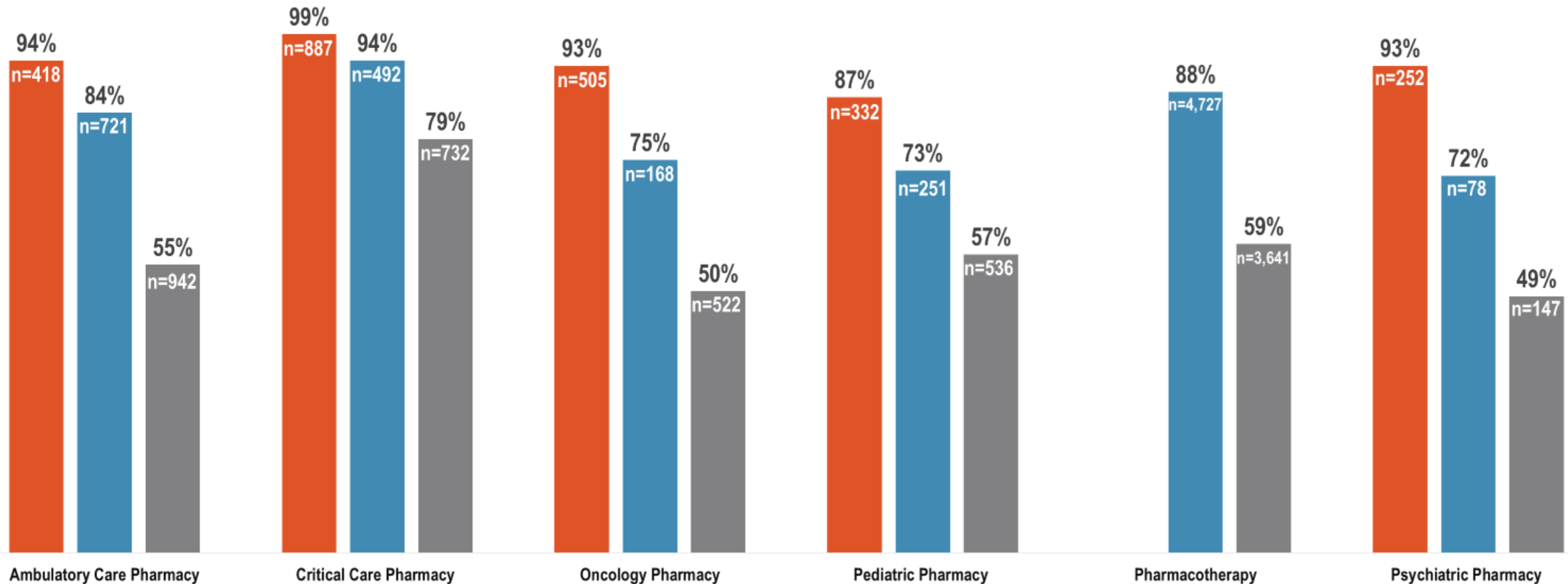
Volodymyra Fedkiv  
PharmD

University of the Sciences, School of Pharmacy Philadelphia, PA

# Percentage of BPS-approved candidates that pass initial board certification examinations differentiated by specialty and eligibility pathway 2015-2018 (n=15,171)



■ PGY2 Specialty Residency ■ PGY1 + Practice Experience ■ Practice Experience



Johnson, S. (2019). *Exploring the relationship between examination pass rates and eligibility pathways among pharmacist candidates for initial board certification.*

# Maintaining Board Certification

*“knowledge and skills aligned with specialty practice as demonstrated at initial certification”*

- ❑ Recertification **every 7 years** to document specialists’ current knowledge and skills
- ❑ Represents a board-certified pharmacists’ commitment to career-long learning and continuing competence
- ❑ Differentiates certification program from:
  - ❑ Pharmacy Degree (BS Pharm, PharmD)
  - ❑ Pharmacy License (RPh)
  - ❑ Pharmacy Residency Program (PGY1, PGY2)
  - ❑ Continuing Education Programs (Knowledge, Application, Practice)



## Test your Knowledge #7

- Which one of the following certification eligibility pathways is used by most BPS candidates?
- A. Practice experience
  - B. PGY1 residency training
  - C. PGY1 residency training and practice experience
  - D. PGY2 specialty residency training

## Test your Knowledge #8

- Which one of the following certification eligibility pathways has the highest pass rate?
- A. Practice experience
  - B. PGY1 residency training
  - C. PGY1 residency training and practice experience
  - D. PGY2 specialty residency training

# BPS Social Media

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[www.bpsweb.org](http://www.bpsweb.org)

# Questions?

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