

# Post-Graduate Residency Training Programs

**Steven Pass, PharmD, MSEd, FCCM, FCCP, FASHP**

**Professor and Vice Chair for Residency Programs**

**Dallas Campus Dean**



**TEXAS TECH UNIVERSITY  
HEALTH SCIENCES CENTER™**

*School of Pharmacy*

# Questions

- **Have you heard of pharmacy residency programs?**
- **Are you considering a pharmacy residency?**

# Post-graduate training

- **Residency**
  - An organized, directed, postgraduate training program in a defined area of pharmacy practice
- **Areas of focus:**
  - Patient Care
  - Advancing Practice and Improving Patient Care
  - Leadership and Management
  - Teaching, Education, and Dissemination of Knowledge

## **PGY-1 Residencies**

- **PGY1 pharmacy residency programs build on pharmacy education and outcomes**
- **Contribute to the development of clinical pharmacists responsible for medication- related care of patients with a wide range of conditions**
- **Eligible for board certification**
- **Eligible for postgraduate year two (PGY2) pharmacy residency training**

# What is a PGY-1 Residency?

- **Broad training experience**
  - Focused in pharmaceutical care and drug therapy knowledge
  - Learning Experiences (rotations):
    - Direct patient care
    - Primary / Ambulatory care
    - Drug information
    - Pharmacy administration
    - Electives and other experiences

# Types of PGY-1 Residencies

- **Post Graduate Year 1 (PGY-1)**
  - Pharmacy Practice
  - Community
  - Managed Care
  
- **24 month programs**
  - Combine PGY-1 and PGY-2
    - Pharmacotherapy
    - Drug information
    - Informatics
    - Administration (typically include MS or MBA degree)

# What is a PGY-2 Residency?

- **Focused training experience in a particular medical subspecialty**
  - Patient-centered care and drug therapy knowledge
- **Designed to build on pharmacy practice experience**
- **PGY-1 residencies (or equivalent) required**

# Examples of PGY-2 Programs

- Administration
- Ambulatory care
- Cardiology
- Community
- Critical care
- Drug information
- Emergency medicine
- Geriatrics
- Hematology-oncology
- Infectious diseases
- Internal medicine
- Managed Care
- Nephrology
- Nuclear pharmacy
- Nutrition support
- Palliative Care / Pain management
- Pediatrics
- Pharmacoeconomics
- Pharmacokinetics
- Pharmacotherapy
- Psychiatry
- Transplantation



# Why should I do a residency?

- **Advantages in the job market**
  - Pre-requisite for some positions
  - Preference over non-residency trained applicants
    - Beneficial in competitive marketplaces
- **Developing a professional network**
  - Co-residents
  - Preceptors / Faculty
  - Administrators
- **Professional development**
  - Experience multiple practice settings at one location
  - Continual feedback to improve patient care skills

# What will I do in a residency?

- **Improve patient care skills through multiple learning experiences**
  - Similar to P4 rotation schedule
  - Also longitudinal (year long) experiences
- **Complete a residency project**
  - Present the results at a regional or national conference
  - Possible journal publication

# What will I do in a residency?

- Refine drug information skills
- Learn administrative and operational skills
- Provide formal presentations and in-services
- Teaching / precepting skills
- Attend professional meetings

## Other Residency Activities

- **Staffing**
  - 1-2 weekends a month is typical
  - Weeknight coverage (ex: 4-8pm)
- **Teaching**
  - Precepting students on rotation
  - Lead topic and small group discussions (i.e. clinical correlations)

## Other Residency Activities

- **In-services, journal clubs, formal presentations**
  - Pharmacy, nursing, and medical staff
- **Code Blue Team participation**
- **On-call program participation**
  - 24-hour in-house or by pager

# Residency Accreditation

- **ASHP Commission on Credentialing**
  - 20 member group
  - Formal peer-review process
  - Based on accreditation standards
  - Involvement from other pharmacy organizations:
    - ACCP
    - AACP
    - AMCP
    - APhA

# Residency Benefits

- **Stipend \$40,000 to \$50,000 annually**
- **Benefits**
  - Health insurance
  - Retirement investment opportunities
  - Vacation & sick leave
  - Labcoats, business cards, discounts to bookstores or athletic events, parking
  - Malpractice insurance
  - Computer & photocopy access
  - Travel money for meetings

# Residency Considerations

- **Geographical considerations**
  - Are you willing to relocate?
- **Interest areas**
  - Does the program offer learning experiences in your areas of interest?
- **Size of program**
  - How many residents?
- **Types of practitioners**
  - Faculty versus clinical pharmacists



# How to find programs

- **On-line resources**
  - ASHP residency directory
    - <https://accreditation.ashp.org/directory/#/program/residency>
  - ACCP residency and fellowship directory
    - <https://www.accp.com/resandfel/index.aspx>
- **Regional Residency Showcases**
  - Houston: Early November
  - Dallas: Mid-November
- **ASHP Midyear Clinical Meeting**
  - Rotates between Anaheim, Las Vegas, New Orleans, and Orlando
  - Residency showcase
  - Personnel Placement Service (PPS)

## Student Year

## Suggested Event & Relevant Date

[ASHP Student Prep Materials](#)

P1/P2

[Add to my  
Calendar](#)

- [Submit CV for review to ASHP](#)
  - July 27 - September 3
- [Clinical Skills Competition](#)
  - Compete at your local pharmacy school ~Sept
  - National Competition at Midyear, Dec 4-5, 2021
- Organizations
  - Early September
  - [ASHP Renew/Become a Member](#)
- [Explore Careers in Health-System Pharmacy](#)
  - September 7
- Take ASHP Career Quiz
  - September 7
- [Pharmacy Student Executive Committee & Student Council Appointment Applications Open](#)
  - 1st week of September
- [Pharmacy Student Forum Advisory Group Applications Due](#)
  - May 1

## Student Year

## Suggested Event & Relevant Date

- Midyear
  - [Poster abstract](#) due October 1
- [Mentor match](#)
  - Year round
  - Recommendation: Sept 3
- [ASHP Connect](#) – journal clubs
  - Check the 1st of every month
- Internships
  - [ASHP Summer Internship](#), December 31
- Student Leadership Award Application Deadline
  - January 15
- [ASHP Summer Meeting](#)
  - June 5-9, 2021
- Update CV reminders
  - First of every month

P3

[Add to my  
Calendar](#)

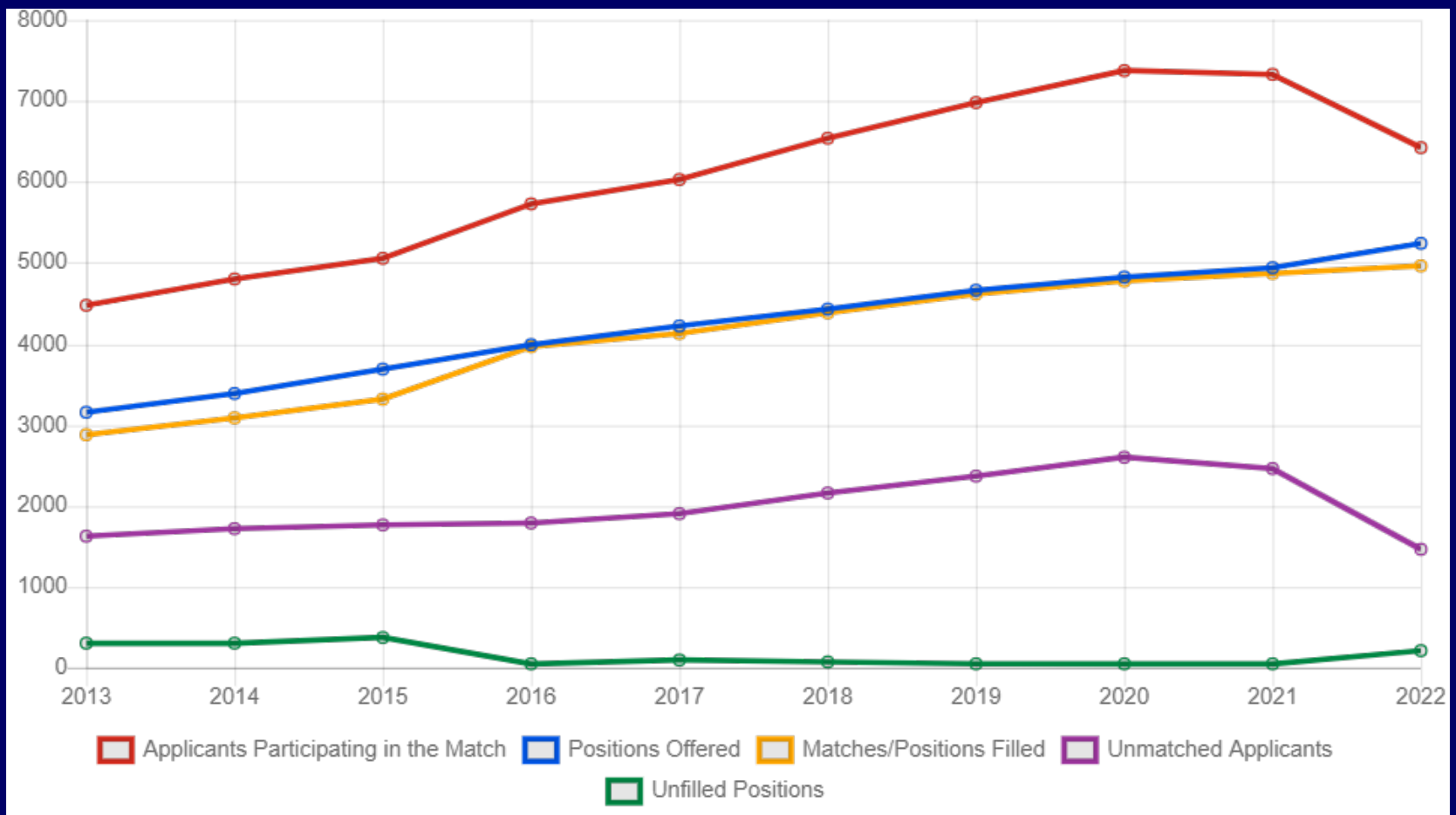
- How to choose APPE rotations
  - [ASHP APPE Application \(rolling basis\)](#)
  - Recommendation: September
- Update CV reminders
- [PSF Advisory Group Applications Due](#)
  - September 1
- [Forums EC application](#)
  - September 1
- [Mentor match](#)
  - Year round
  - Recommendation: Sept 3
- Ask faculty/mentors for shadowing opportunities prior to residency or fellowship applications
  - March 1
- [Subscribe to ASHP podcast channel](#)
  - August 1
- Student Leadership Award Application Deadline
  - January 15

# Residency Match

- Designed to reduce pressure on the applicant
- Equality for all programs
- Binding agreement between the program and the applicant
- Info can be found online at:

<http://www.natmatch.com/ashprmp/>

# Match Statistics



# Frequently Asked Questions

- What are some key qualifications?
- How important are grades?
- Can I only do a residency immediately upon graduation?
- How many residencies should I apply to?

# What are programs looking for?

- **GPA**
- **Student rotations completed**
- **Work experience**
  - Hospital preferred
- **Skills / certifications**
  - BLS / ACLS
  - Immunizations
- **Teaching experience**



# What are programs looking for?

- **Presentations**
  - In-services
  - Abstracts / posters
  - Publications
- **Professional involvement**
  - Leadership
  - Participation
- **Community service**

# Application materials

- **Curriculum vitae**
  - Outlines key abilities / activities
- **Letter of intent**
  - Specific to that program
- **Recommendation letters**
  - Personalized by people who know you well

## For more information

- **ASHP (members only)**  
<https://www.ashp.org/professional-development/residency-information/student-residency-guide#1>
- **SOP Residency website:**
  - <https://www.ttuhschool.edu/pharmacy/residencies/studentlinks.aspx>
- **Professional Affairs:**
  - [Professional Affairs SAKAI site](#)



# How to Be a How to Be a Competitive Residency Candidate

**Krystal L Edwards, Pharm.D., FCCP, BCACP**  
Associate Dean for Career Development,  
Office of Professional Affairs  
Professor, Department of Pharmacy Practice –  
Ambulatory Care Division

# GOALS



01

## Charting the Pathway

Goals and Grades

02

## Involvement and Leadership

Organizations, Leadership, and Networking

03

## Clinical Skills and Scholarly

Experiences

04

## Written/Verbal Skills

CVs, LinkedIn, LOIs, and Interviews



01

# Charting the Pathway



Goals and Grades

# Start Planning

- How to start
  - Get an internship or technician job
    - School year and Summer
  - Shadow pharmacists
  - Electives → fill holes or build up interests
    - Elective courses for P3 year
      - Clinical based, Research/Project based
    - Elective rotations for P4 year
      - Make connections to go everywhere
  - <https://pharmacyforme.org/pharmacy-careers/>



# Internships

- Throughout the year you will receive postings
- February 10<sup>th</sup>: Live interviews for summer opportunities
  - Preparation done through Phar 1101 – Introduction to Pharmacy Practice
  - <https://pharmon.careerwebsite.com/>



Employers

Job Seekers

Post an Opportunity

## Pharmacy Opportunities Network

Connecting Talent with Opportunity

Search Opportunities 🔍



# Example Descriptions Requiring a Residency

## Ambulatory Care Pharmacist

### A career you'll be into for the long-term!

Ambulatory care pharmacists provide critically important information to patients and their caregivers on a one-on-one basis regarding the safe and appropriate use of medications. These counseling sessions often occur between the patients' visits to their physician or other health care professional, so the ambulatory pharmacist can assess how well the patients are taking and tolerating their medicines over time.

Ambulatory care pharmacists also work with other health care professionals to ensure that patients receive the right medications for their individual medical situations.

They may focus on general care or specific disease states, such as diabetes, asthma, HIV, or pain management, and they provide care for these illnesses by applying their extensive medication expertise, rather than directly handling medications.

- **Practice Setting:** Ambulatory care pharmacists work in clinical office settings and pharmacies. Examples include non-hospital settings like pharmacies, clinics, and physician offices.
- **Educational Requirements:** Ambulatory care pharmacists generally complete 1-2 years in a residency and/or pass a board certification exam after earning a PharmD degree.
- **Patients:** They treat patients with multiple, short-term, or long-term medical conditions who frequently take multiple medications.
- **Traits:** You like the idea of building long-term relationships with patients and other health care professionals, and you would prefer to work outside of a hospital setting. Additionally, you have the ability deal with complex issues and conditions.

# Example Descriptions Requiring a Residency

## 💡 Psychiatric Pharmacist

### A career where you can get "a head."

Psychiatric pharmacists specialize in the treatment of mentally ill patients, such as those suffering from depression, anxiety disorders, schizophrenia, eating disorders, developmental disabilities, substance abuse, epilepsy, and traumatic brain injuries. They have extensive knowledge about mental illnesses, emotional disturbances, abnormal behavior, and neurology (e.g., disorders of the nervous system).

The medications used to help manage the symptoms of psychiatric illnesses vary widely and the medications can be complex. Thus, psychiatric pharmacists work closely with other health care professionals to provide their expertise.

- **Practice Setting:** Psychiatric pharmacists often provide care in long-term care facilities (e.g., nursing homes), psychiatric and traditional hospitals, substance abuse centers, mental health clinics, and prison systems.
- **Educational Requirements:** Psychiatric pharmacists generally complete 1-2 years in a residency and/or pass a board certification exam after earning a PharmD degree.
- **Patients:** Psychiatric pharmacists specialize in the treatment of mentally ill patients.
- **Traits:** You have an interest in psychology, psychiatry, or the brain. Additionally, you are comfortable dealing with people who have mental or behavioral challenges, and you enjoy building relationships with others.

# Example Descriptions Requiring a Residency

## Geriatric Pharmacist

### **A career that helps add life to years and years to life.**

Geriatric pharmacists, also known as senior care or consultant pharmacists, specialize in treating older adults who may take several medications to manage multiple long-term health issues such as diabetes, arthritis, Alzheimer's disease, pain, or other conditions associated with aging.

Geriatric pharmacists work as part of a health care team to counsel patients and their caregivers regarding safe and appropriate use of medications and meet the unique needs of the senior population.

- **Practice Setting:** They work in all settings including in or near hospitals, long-term care facilities (e.g., nursing care homes), assisted living centers, and community pharmacies in residential communities designed for older adults.
- **Educational Requirements:** Geriatric pharmacists generally complete 1-2 years in a residency and/or pass a board certification exam after earning a PharmD degree. Some states also require a special consultant pharmacist license.
- **Patients:** Geriatric pharmacists specialize in treating older adults who may take several medications to manage multiple long-term health issues.
- **Traits:** You have an interest in connecting with older adults, are comfortable working with complex health issues, and would like to be part of a team and community.

# Example Descriptions Requiring a Residency

## Infectious Disease Pharmacist

### **Our excitement for this career is contagious!**

Infectious disease pharmacists promote the appropriate use of antibiotics to eradicate harmful microorganisms, minimize drug-resistant organisms, and stop the spread of a disease in a patient or population.

They work with other health care professionals to select and monitor the medications for patients with or at risk for infections and implement antimicrobial policies and procedures for the setting.

Infectious disease pharmacists serve in critical roles as part of hospital-based infectious disease teams that are responsible for appropriate antibiotic use within the institution.

It's not uncommon for infectious disease pharmacists to never handle medications during their jobs. Instead, they provide care by applying their extensive medication expertise.

- **Practice Setting:** Infectious disease pharmacists work in hospitals, medical centers, public health agencies, and medical clinics.
- **Educational Requirements:** They generally complete 1-2 years in a residency and/or pass a board certification exam after earning a PharmD degree.
- **Patients:** Infectious disease pharmacists focus on the care of patients who have short-term infections (e.g., influenza), long-term diseases caused by infection (e.g., HIV), or are at greater risk for infection due to other medications or diseases (e.g., cancer).
- **Traits:** You want to be a key player in stopping the spread of infections and minimizing the development of resistant microorganisms. Additionally, you want to work as part of a team.

# Example Descriptions Requiring a Residency

## Oncology Pharmacist

### **A career for the courageous and caring.**

Oncology pharmacists are experts in the medications used to treat cancer, as well as those used to manage the side effects from cancer treatments.

Oncology pharmacists support all aspects of cancer care, including chemotherapy dosing and mixing, patient counseling, and new drug research.

They work with other health care professionals to maximize the benefits of cancer drugs while minimizing their side effects, such as pain and nausea. And, they also help to identify patients who are candidates for new cancer drug research or suffering from emotional issues that may arise during the cancer treatment.

- **Practice Setting:** Oncology pharmacists work in many different settings, such as clinics, hospitals, and cancer centers.
- **Educational Requirements:** They generally complete 1-2 years in a residency and/or pass a board certification exam after earning a PharmD degree.
- **Patients:** Oncology pharmacists work and build relationships with patients who have cancer. Because of this, they are comfortable with the idea of working with seriously ill patients.
- **Traits:** You want to work and build relationships with patients who have cancer, are comfortable with the idea of working with seriously ill patients, and enjoy working as part of a team.

# Example Descriptions Requiring a Residency

## Pediatric Pharmacist

### **It means a lot to care for the little.**

Pediatric pharmacists ensure the safe and effective use of medicines in children ranging in age from newborn to 18 years. This is mainly because medicines developed for adults may be too strong or have different or dangerous effects on children.

Pediatric pharmacists work to determine the proper dosing and medication for children based on their age, weight, and health conditions so they can recover, live longer, or enjoy a better quality of life.


Pediatric pharmacists often participate in patient rounds with other health care professionals, administer drugs, and provide expertise regarding pediatric medications. They may also participate in research studies to develop new medications for children.

- **Practice Setting:** Pediatric pharmacists are found in children's and traditional hospitals, intensive care units (ICUs), neonatal ICUs, and specialty outpatient clinics (e.g., cancer centers).
- **Educational Requirements:** They generally complete 1-2 years in a residency and/or pass a board certification exam after earning a PharmD degree.
- **Patients:** Pediatric pharmacists work closely with children ranging in age from newborn to 18-years-old.
- **Traits:** You want to work with children of all ages, are comfortable with the idea of helping seriously ill children and their parents, and enjoy the idea of creating custom medicines.

# Pharmacist Bios



<https://pharmacyforme.org/pharmacist-bios/>

 Bryan Schuessler - Ambulatory Care Pharmacist, Specialty Pharmacy – Administration	+
 Joel Marrs - Ambulatory Care Pharmacist, Cardiology Specialty	+
 Michael Gillette - Cardiology Pharmacist	+
 Nancy Rodriguez - Geriatric Pharmacist	+
 Debby Cowan - Hospital Pharmacist	+
 Patricia Kienle - Hospital Pharmacist	+
 Kyana Steward - Infectious Disease Pharmacist, Antimicrobial Stewardship	+
 Melody Berg - Infectious Disease Pharmacist, Clinical Content Specialist / Drug Information Pharmacist	+
 Karen McConnell - Management Pharmacist	+
 Erin Hickey - Oncology Pharmacist	+
 Amy Holmes - Pediatric Pharmacist	+
 Dimitrios Savva - Pediatric Pharmacist	+
 Peter Johnson - Pediatric Pharmacist	+
 Cyrine Haidar - Pharmacogenomics Pharmacist	+
 Cherry Jackson - Psychiatric Pharmacist	+
 Teresa Elsobky - Psychiatric Pharmacist	+
 Elizabeth Cohen - Transplant Pharmacist	+

# Grades

- How important are they?
  - Not the end all be all, but ...
    - Don't want to be near failing
    - Typically 3.0
  - What's more important is learning and applying!
  - And being well-rounded ...





# Well-Rounded

- Need to show have good skills:
  - Time management
  - Clinical reasoning
    - Match interests
    - Strengths/weaknesses
    - Aptitude
  - Short and long term professional goals
  - Character strengths/weaknesses
  - Professional involvement
  - Personality





02

# Involvement and Leadership



Organizations, Leadership, and Networking

\*\* In no particular order

# Why Get Involved in Professional Organization



Leadership: Learn skills needed for success – formal & informal roles



Attend Conferences: Local, state, & national to represent your school. Learn & Network. Make memories!



Mentorship: Get a mentor outside school. Learn, grow, and create a forever bond.



Resources: Toolkits to help prep for residencies including CV reviews and example docs

\*\* In no  
particular order

## Why Get Involved in Professional Organization (Well-Rounded)



Networking: Make friends in school & across the country. Meet potential employers/connections for your future.



Community Service: Get involved and give back! Apply skills learned in lab. Build CV.



Education: Presentations at meetings to learn more from outside speakers. Competitions for skills and CV building.



Advocacy: Learn about issues to speak about profession. Then advocate for your profession.

# Professional Organizations

## Tool kits for Professional/Career Development

- ASHP, ACCP, APhA, etc.
- <https://ttuhsc.campuslabs.com/engage/organizations>
- <https://www.accp.com/stunet/compass/organizations.aspx>

## Example Benefits

- CV, LOI, Resume reviews
- Mentors
- Presentation/Poster Opportunities
- Competitions
- Scholarships
- Internships
- Networking



# Professional Orgs and Leadership

## Getting involved:

- Committee chairs
  - Being active on a committee
- Running for office
  - Any position
- Leading a project
  - Health fairs
  - Patient education
  - Fundraiser
  - Initiatives
  - Speaker recruitment



# Leadership

## Why

- Key characteristic of professionalism
- Learn skills to empower other
- Learn how to lead in different settings
- It's a part of residency training
- Helps build your professional philosophy
- May have to run an organization in the future

## Where/How

- Professional organizations
- Community, church, advocacy, etc.
- Clinical Correlations
- At work/volunteer clinics
- Little "I" leadership



# Networking

## Why

- Be present with those with similar interests OR learn about new careers and interests
- Learn and make connections

## Who

- Residents: <https://www.ttuhschool.edu/pharmacy/residencies/>
- Alumni
- Professional Orgs - local/state/national meetings
- Colleagues in school
- Faculty
- At work
- On rotations





# Pharmacist Bios



**Bainum, Taryn**

Assistant Professor, Pharmacy Practice Department

[View Profile](#)



**Basinger, Rachel**

Assistant Professor, School of Pharmacy

[View Profile](#)



**Basse, Ranee**

Division Chief

[View Profile](#)



**Blaszczyk, Amie**

Professor, Department of Pharmacy Practice - Geriatrics & Pediatrics Division; Division Head, Geriatrics & Pediatrics; ASHP-Accredited PGY2 Geriatric Pharmacotherapy Residency Director

[View Profile](#)



**Brouse, Sara**

Regional Dean; Professor, Department of Pharmacy Practice

[View Profile](#)



**Buatois, Emily**

Assistant Professor, Department of Pharmacy Practice

[View Profile](#)



# Network

Talk to all your faculty, preceptors,  
pharmacy employers, organization  
leaders, other students





03

# Clinical Skills and Scholarly



Experiences

# Rotation Experiences

## P1

- IPP assigned rotation
- Summer internships

## P2

- Summer internships

## P3

- Rotation selection
  - Preceptors and Sites
- P3 didactic electives

## P4

- Rotation selection
  - Preceptors and Sites
  - Want challenges and to learn
- Electives
  - Set up on own through connections made
  - Fill holes or build up interests



# Work

## Why

- Build clinical skills
- Where residency will happen, so have experience
  - Ability to answer behavioral questions
  - Match with program
- See current residents at work

## Where/How

- Hospital: internships, technician, volunteer
- Community: internships, technician, volunteer
- Free clinics
- Community organizations



# Scholarly

## What

- Build research skills
- Have to do in residency
  - Medication Use Evaluations [MUEs] (targeted medication)
  - Clinical research project (may require IRB)
  - Benchtop research project

## Where/How

- Work with current residents and faculty
- See if opportunities at work
- Opportunities during P3 elective
- Opportunities during P4 rotations





04

# Written/Verbal Skills



CVs, LinkedIn, LOIs, and Interviews

# Written/Verbal Skills



## Curriculum Vitae (CV)

Professional Career

(living document)



## LinkedIn

Your CV on the web



## Letter of Intent

Your Story & Highlights on Paper of Why You Fit Job



## Interviews

Need to be able to answer behavioral questions and talk about clinical skills



# Skills to Set You Apart – Need to be brought out



**Networking**

Get Involved & Talk with  
Everyone



**Entrepreneur**

Creativity & Thinking  
Outside the Box



**Communication**

All Interactions &  
Correspondences



**Technology**

The Future!



**Leadership**

Formal & Informal

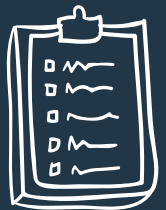


**Self-Awareness**

Know Your Goals &  
Continue to Grow

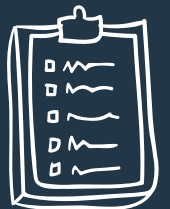
# Curriculum Vitae (CV)

- This is a representation of your professional career
- Highlights you on paper chronologically
  - Your experiences and training in a succinct, easy to understand format
- Keep up with throughout pharmacy school
- Helps tell programs that you're exactly what they're looking for and are a strong match for their residency program



# Contents of CV – what you will build up

- Specialized Training / Professional Licensure / Certification
- Work experience
- Clinical rotation experiences
- Teaching experiences
- Publications / Posters
- Research experience / Scholarly activities
- Presentations
- Awards and Honors
- Professional activities
- Professional memberships and leadership
- Community service



# LinkedIn

The screenshot shows the LinkedIn profile of Krystal L Edwards. The profile header includes her name, title, and current employer, TTUHSC Jerry H. Hodge School of Pharmacy. A red arrow points to the top right corner of the profile picture area. Another red arrow points to the 'Contact info' link. A third red arrow points to the 'Message' button in the 'People also viewed' section. The 'Analytics' section at the bottom shows 65 profile views, 1,733 post impressions, and 42 search appearances. The right sidebar contains options to edit the profile and add another language, followed by an advertisement for Astellas Pharma and a 'People also viewed' section.

**Navigation Bar:** Home, My Network, Jobs, Messaging, Notifications (20), Me, Work, Post a job for free

**Profile Header:** **Krystal L Edwards**  
Professor in Pharmacy Practice and Associate Dean for Career Development, Office of Professional Affairs  
Dallas-Fort Worth Metroplex · [Contact info](#)

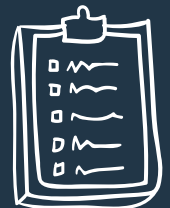
**Education:** TTUHSC Jerry H. Hodge School of Pharmacy, Medical University of South Carolina

**Connections:** 500+ connections

**Buttons:** Open to, Add profile section, More

**Analytics:** Private to you  
65 profile views (Discover who's viewed your profile)  
1,733 post impressions (Check out who's engaging)  
42 search appearances (See how often you appear in search)

**Right Sidebar:**  
Edit public profile & URL  
Add profile in another language  
Ad: Krystal L, keep up with the latest updates from Astellas Pharma  
Astellas Pharma: a leader in cell therapy research  
Follow  
People also viewed:  
Krystal Haase • 1st (Message)  
Alaina Van Dyke, PharmD, MBA • 1st (Message)  
Messaging



# LinkedIn



## Contact

2143589051 (Work)  
krystal.lieb.edwards@gmail.com

www.linkedin.com/in/  
krystalliebedwards (LinkedIn)



## Top Skills

Clinical Pharmacy  
Pharmacy Education  
Ambulatory Care



## Certifications

Board Certified Ambulatory Care Pharmacist (BCACP)  
Academic Leadership Fellows Program



## Publications

Efficacy and benefits of mock residency interviews

An update in incretin-based therapy: A focus on glucagon-like peptide 1 receptor agonists.

Provider decisions and patient outcomes following premature metformin discontinuation.

Race as a factor for intensification of diabetes medications.

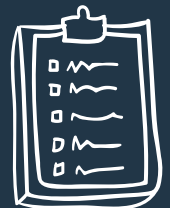
Combination thiazolidinedione and fibrate effect on high-density lipoprotein cholesterol (HDL-C) Concentration in a Veterans Affairs patient population

# Krystal L Edwards

Professor in Pharmacy Practice and Associate Dean for Career Development, Office of Professional Affairs  
Dallas-Fort Worth Metroplex

## Summary

Krystal Edwards, Pharm.D., FCCP, BCACP is the Associate Dean for Career Development in the Office of Professional Affairs and a Professor in the Pharmacy Practice Department, Ambulatory Care Division on the Dallas/Fort Worth Campus at the Texas Tech University Health Sciences Center (TTUHSC) Jerry H. Hodge School of Pharmacy. In her Associate Dean role, she is responsible for creation and administration of professional career development activities including the P3 and P4 Career Fair, Mock Residency Interviews, and the Student Leadership Retreat. Dr. Edwards also oversees multi-campus student organizations and the Co-Curriculum. She started the Dallas/Fort Worth PGY2 Ambulatory Care Specialty Residency and was the residency program director for seven years and continues to be actively involved. She is very active in the American College of Clinical Pharmacy Practice including Chairing committees along with past Chair of the Endocrine and Metabolism practice research network. She has won the TTUHSC "President's Outstanding Clinician" award along with the "Excellence in Patient Care" award, at North Texas Specialty Providers Palliative Care Team for practice and been named "Alumni of the Year" for the TTUHSC SOP Phi Lambda Sigma (leadership fraternity). Dr. Edwards has won several teaching awards including the TTUHSC "President's Outstanding Teaching Team" along with "P3 Teaching Team of the Year" and "Preceptor of the Year" awards. She currently practices at a Fort Worth Outpatient VA Clinic where under a scope of practice she provides chronic disease state management. She received her BS and PharmD from the Medical University of South Carolina. She completed a Pharmacy Practice Residency at Baptist Memorial Health Care and a Primary Care Residency at the University of Tennessee Medical Center. Dr. Edwards is certified by the Board of Pharmacy Specialties in ambulatory care and previously in Pharmacotherapy (2003-2017). In 2012 she was named Fellow by the American College of Clinical



# LinkedIn



## Experience

TTUHSC Jerry H. Hodge School of Pharmacy  
20 years 1 month

Professor  
September 2018 - Present (4 years)

Associate Dean  
September 2016 - Present (6 years)  
Dallas/Fort Worth Area

Associate Professor  
August 2009 - August 2018 (9 years 1 month)  
Dallas/Fort Worth Area

Assistant Professor  
August 2002 - September 2009 (7 years 2 months)  
Dallas/Fort Worth Area

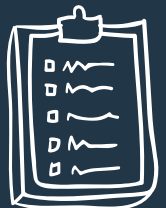
Va North Texas Healthcare Sys  
Clinical Pharmacy Specialist  
June 2019 - Present (3 years 3 months)  
Dallas/Fort Worth Area

Under scope of practice manage chronic disease states focusing on Diabetes, Hypertension, Dyslipidemia, Heart Failure, Tobacco Cessation, COPD, and Coronary Artery Disease

North Texas Specialty Physicians  
Clinical Pharmacy Specialist  
July 2015 - May 2019 (3 years 11 months)  
Fort Worth, Texas

Health-E-Care SW clinical pharmacist working in an interdisciplinary team to provide care for internal medicine patients, focusing on extensivist and palliative care patients.

Va North Texas Healthcare Sys  
Clinical Pharmacy Specialist  
October 2004 - June 2015 (10 years 9 months)



# LinkedIn

Fort Worth, Texas

Initiated and then helped expand clinical pharmacy services at the Fort Worth Outpatient VA Clinic.

## John Peter Smith Hospital

Clinical Pharmacist

August 2002 - September 2004 (2 years 2 months)

Diamond Hill Community Center Fort Worth, TX

Initiated clinical pharmacy services. Oversaw anticoagulation services.

## UT Medical Center

Primary Care Specialty Resident

June 2001 - July 2002 (1 year 2 months)

Knoxville, Tennessee

## Baptist Memorial Health Care

Pharmacy Practice Resident

June 2000 - June 2001 (1 year 1 month)

---

## Education

### Medical University of South Carolina

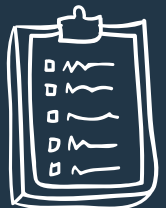
Doctor of Pharmacy (Pharm.D.), Pharmacy · (1998 - 2000)

### Medical University of South Carolina

Bachelor of Science (B.S.), Pharmacy · (1995 - 1998)

### College of Charleston

Doctor of Pharmacy (Pharm.D.), Pre-Pharmacy Studies · (1993 - 1995)





# LinkedIn



LinkedIn interface showing navigation tabs: Home, My Network, Jobs, Messaging, Notifications, Me, Work, Post a job for free.

Search bar: Search

Manage my network:

- Connections: 1,129
- Contacts: 700
- People I Follow: 8
- Groups: 4
- Events
- Pages: 27
- Newsletters
- Hashtags: 6

Show less

Advertisement: Krystal L, keep up with the latest updates from Astellas Pharma. Astellas Pharma: a leader in cell therapy research. Follow

Add personal contacts: We'll periodically import and store your contacts to help you and others connect. You choose who to connect to and who to invite. Learn more

Invitations have moved to the Notifications. Go to Notifications

People you may know from Va North Texas Healthcare Sys

- Abby Wong, PGY1 Pharmacy Resident at the VA... 10 mutual connections. Connect
- Alisha Nicks West, Mental Health Pharmacy Resident. Va North Texas Healthcare Sys. Connect
- Randi Stouffer, Clinical Pharmacy Specialist - Mental... Va North Texas Healthcare Sys. Connect
- Zakaria Zayour, Psychiatrist at VA North Texas Health Care... Va North Texas Healthcare Sys. Connect
- Joycelyn Le, Pharm... at. Va North Texas Healthcare Sys. Connect
- Nicole Minniefield, Non-Invasive Cardiologist at North... Va North Texas Healthcare Sys. Connect
- Carol Baby, PGY2 Mental Health Resident at Va North... Va North Texas Healthcare Sys. Connect
- Cindy N., Clinical Pharmacy Specialist at Va North... Va North Texas Healthcare Sys. Connect

Messaging



# LinkedIn



**Phuong Pham, Pharm.D.** • 1st

Pharmacy Manager

1h • 🌐

Our store is growing and we are looking to hire certified pharmacy technicians at Walmart 3170 in Elgin, TX. This would be a great opportunity for anyone looking for pharmacy experience going to pharmacy school or work...see more



Walmart Careers | Submit a Walmart Job Application

careers.walmart.com • 1 min read



Like



Comment



Share



**American College of Clinical Pharmacy (ACCP)**

36,978 followers

3m • 🌐

Dr. Khalid Eljaaly is an associate professor at King Abdulaziz University (KAU) and a consultant ID pharmacist and ID pharmacy residency program director at KAU hospital. Read more about Dr. Eljaaly in this month's Member Spotlight...see more

## MEMBER SPOTLIGHT



"Through advocacy, we can understand the processes and improve our leadership skills," he states, adding that "advocacy includes communicating with local, national, and international representatives."

- Khalid Eljaaly, Pharm.D., M.S., FCCP, BCPS, BCIDP



**Andrew Bzowycy** (He/Him) • 1st

Associate Professor & Clinical Pharmacist

13h • 🌐

Excited to see the culmination of our hard work in print! A cross-sectional snapshot of the diabetes care & education specialist (DCES) workforce in 2021, featuring identified areas of strength, areas for development, ...see more

Original Research

## Current and Emerging Trends in Diabetes Care and Education: 2021 National Practice and Workforce Survey

The Science of Diabetes  
Self-Management and Care  
1-17  
© The Author(s) 2022  
Article reuse guidelines:  
sagepub.com/journals-permissions  
DOI: 10.1177/2635010621120787  
journals.sagepub.com/home/tds

Jan Kavookjian, PhD, MBA, Andrew S. Bzowycy, PharmD, BCPS, CDCES, Monica M. DiNardo, PhD, ANP-BC, CDCES, Barbara Kocurek, PharmD, BCPS, CDCES, Leslie E. Kolb, DrPH, MBA, BSN, RN, Dawn Noe, RDN, LD, CDCES, Donna Ryan, MPH, RN, RDN, CDCES, Magon May Saunders, DHSc, MS, RDN, LD, Michael See, MS, CEP, CDCES, and Sacha Uelmen, RDN, CDCES

### Abstract

**Purpose:** The purpose of the National Practice Survey is to understand current trends related to the diabetes care and education specialist's integration into the full care team beyond formal diabetes self-management education and support services.

**Methods:** The 2021 National Practice Survey (NPS2021) contained 61 questions for all respondents with an additional 56 questions pertaining to specific diabetes care and education segments. An anonymous survey was administered online to respondents who are diabetes care and education specialists or a part of the diabetes care team. Email lists were obtained from the Association of Diabetes Care & Education Specialists (ADCES) and the Certification Board for Diabetes Care and Education (CBDCE). Approximately 39,258 emails were sent, and 3357 were undeliverable, with 3797 surveys completed between February 9 to April 6, 2021, resulting in an 11% response rate. The response rate may have been affected by the COVID-19 public health emergency.

**Results:** Diabetes care and education specialists represent an interprofessional specialty of nurses, dietitians, physicians, pharmacists, health educators, and others. Many respondents reported holding either certification as a Certified Diabetes Care and Education Specialist (CDCES) or being Board Certified in Advanced Diabetes Management (BC-ADM). In addition, there appears to be a slight increase in those trained as a Lifestyle Coach to provide the National Diabetes Prevention Program (CDC Recognized National DPP) compared to NPS2017. Most respondents reported being Caucasian/White (84%), followed by Hispanic or Latinx (7%) and African American/Black and Asian/Asian American (at 4% each), like in previous surveys. Respondents reported diverse care delivery models, including traditional and nontraditional services, and expanded models of care such as population health/risk stratification models, the Chronic Care Model, Accountable Care Organizations, managed care, and others.

**Conclusion:** The NPS2021 describes DCES workforce opportunities and challenges. Identifying and addressing those that impact the specialty's sustainability, diversity, and growth will guide strategies for the future workforce.

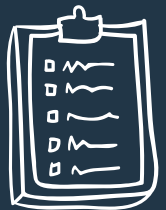
# Letters of Intent (LOIs)

- Written to sell yourself to a program
- The purpose is a “sales pitch”
  - Marketing yourself and your abilities
  - Highlights for the program:
    - Qualifications
    - Interests
    - Goals
- Explaining how you:
  - Match the program
  - What you can contribute to the program



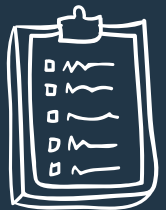
# Letters of Intent (LOIs)

- Goal: get an onsite interview
- How: highlight aspects of your candidacy relative to the position and program
- Compliments and elaborates on your CV
- What is the program looking for:
  - Appropriate skills, abilities, and experiences for the residency program
  - Good communication skills
  - Your goals and interests match and complement what the program offers



# Interviews

- Will need to be able to answer
  - Why do you want to do a residency
  - Behavioral questions
    - Keep a journal/log of good/bad/interesting interactions throughout your schooling from all experiences (in and out)
  - Clinical skills
  - IPE
  - Leadership
  - Problem-solving
  - Conflict resolution
  - Time management
- Will have to ask questions as well



# Review



## For more information

- ASHP (members only)  
<https://www.ashp.org/professional-development/residency-information/student-residency-guide#1>
- SOP Residency website:  
<https://www.ttuhscc.edu/pharmacy/residencies/studentlinks.aspx>
- Professional Affairs:
  - [Professional Affairs SAKAI site](#)

## Conclusion

- **Start thinking about residencies now**
- **If interested, take advantage of opportunities**
  - **Special projects**
  - **Research honors program – Dr. Brouse**
  - **Work experience**
  - **Professional organizations**
  - **Plan for P3 / P4 rotations**
- **Contact me anytime**
  - **Steven.pass@tthusc.edu**
  - **Krystal.Edwards@ttuhsc.edu**
  - **Ashley.Selby@ttuhsc.edu**