

# Alexa A. Carlson, PharmD, MEd, BCPS

## CONTACT INFORMATION

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## EDUCATION & PROFESSIONAL TRAINING

Master of Education—eLearning and Instructional Design Northeastern University—Boston, MA	2016—2019
PGY2 Internal Medicine Pharmacy Resident Virginia Commonwealth University Medical Center—Richmond, VA	2011—2012
PGY1 Pharmacy Practice Resident Temple University Hospital—Philadelphia, PA	2010—2011
Doctor of Pharmacy Magna Cum Laude; Highest Honors in Pharmacy Butler University—Indianapolis, IN	2004—2010

## PROFESSIONAL EXPERIENCE

Associate Clinical Professor Department of Pharmacy and Health Systems Sciences Northeastern University—Boston, MA	2017—Present
Assistant Clinical Professor Department of Pharmacy and Health Systems Sciences Northeastern University—Boston, MA	2012—2017
Clinical Faculty, Adult Internal Medicine Beth Israel Deaconess Medical Center—Boston, MA	2012—Present
ICU Satellite Staff Pharmacist Virginia Commonwealth University Medical Center—Richmond, VA	2011—2012
Decentralized Staff Pharmacist, Clinical Weekend Pharmacist Temple University Hospital—Philadelphia, PA	2010—2011

## PROFESSIONAL LICENSURE

Massachusetts Registered Pharmacist License # PH234166	2012—Present
Virginia Registered Pharmacist License # 0202210677	2011—2012
Pennsylvania Registered Pharmacist License # RP445157	2010—Present

## SCHOLARSHIP & RESEARCH

### Publications

#### Articles (Peer Reviewed)

(\*Denotes Northeastern Pharmacy Student; § Denotes Pharmacy Resident; # Denotes Harvard Medical School Student)

10. Britt RS<sup>§</sup>, Pearson JC<sup>§</sup>, Mahoney MV, **Carlson AA**. Ceftaroline-Induced Thrombocytopenia: A Case Report. *Ann Pharmacother*. 2019; 53(7):762-763.
9. Weinstein AR, Dolce MC, Koster M<sup>#</sup>, Parikh R<sup>#</sup>, Hamlyn E, McNamara EA\*, **Carlson A**, DiVall MV. Integration of systemic clinical interprofessional training in a student-faculty collaborative primary care practice. *Journal of Interprofessional Care*. 2018;32(1):104-107.
8. **Carlson AA**, Rose TN, Margulis A\*. Rheumatoid arthritis: Partnering for optimal care. *Drug Topics*. October 2016; 41-49.
7. **Carlson AA**, Miller D. Interventions to improve quality of life for patients with psoriasis and psoriatic arthritis (PsA). *Drug Topics*. August 2016; 51-63.
6. **Carlson AA**, Rose TN, Gelinis A\*. The Rundown: Management of acute and chronic diarrhea. *Drug Topics*. June 2016; 55-64.
5. Rose TN, **Carlson AA**. Recognition of Drug Induced Pulmonary Disease and Management of Idiopathic Pulmonary Fibrosis. *Drug Topics*. November 2015; 54-63.
4. **Carlson AA**, Smith EA<sup>§</sup>, Reid DJ. The stats are in: an update on statin use in chronic obstructive pulmonary disease. *Int J Chron Obstruct Pulmon Dis*. 2015; 10: 2277-2284.
3. Campbell CT\*, Hoffman JM\*, **Carlson AA**, Besignano AR\*, Lento GM\*, Edwards RA. Cost-effectiveness of acclidinium bromide compared with tiotropium bromide from the perspective of COPD patient populations. *International Journal of Medicine and Pharmacy*. 2014; 2(2): 11-36.
2. Reid DJ, **Carlson AA**. Clinical use of acclidinium in patients with COPD. *Int J Chron Obstruct Pulmon Dis*. 2014; 9: 369-379.
1. Voils SA, **Carlson A**. Association of deep-vein thrombosis (DVT) with missed doses of prophylactic antithrombotic medications in ICU patients: a case-control study. *Ann Pharmacother*. 2014; 48 (10): 1294-1297.

#### Abstracts/Posters (Peer Reviewed)

(\*Denotes Northeastern Pharmacy Student; § Denotes Pharmacy Resident; # Denotes Harvard Medical School Student; ‡ Denotes Pharmacy Fellow)

32. Sibicky S, **Carlson A**. A Picture's Worth a Thousand Words: An Infographic Assignment to Visually Transform Clinical Trials. Poster presented at American Association of Colleges of Pharmacy (AACP) Annual Meeting. July 13-17, 2019. Chicago, IL.

31. **Carlson A**, Sibicky S, Douglass M, Lancaster J, Woolley A, Gonyeau M. Paging Future APPE Students! A Mock Rounding Simulation in a General Medicine Elective. Poster presented at American Association of Colleges of Pharmacy (AACP) Annual Meeting. July 13-17, 2019. Chicago, IL.
30. Sibicky S, Lancaster J, Woolley A, Gonyeau M, Douglass M, **Carlson A**. Drug Information Questions Answered Three Different Ways in a General Medicine Elective. Poster presented at American Association of Colleges of Pharmacy (AACP) Annual Meeting. July 13-17, 2019. Chicago, IL.
29. **Carlson A**, DiVall M, Douglass M, Gonyeau M, Lancaster J, Sibicky S, Woolley A. Evaluation of a Pharmacists' Patient Care Process-Based Patient Presentation Rubric in a General Medicine Elective Course.
  - Poster presentation at American College of Clinical Pharmacy (ACCP) Annual Meeting. October 26-29, 2019. New York, NY. [Encore presentation]
  - Poster presented at American Association of Colleges of Pharmacy (AACP) Annual Meeting. July 13-17, 2019. Chicago, IL.
28. Chun H\*, An Y\*, Matta T, **Carlson A**. Impact of a Focused Skills Lab Session on Student Pharmacists' Confidence with Inhalation Devices.
  - Poster presented at the American Pharmacists Association (APhA) Annual Meeting. March 2019. Settle, WA.
  - Poster presented at Research, Innovation, and Scholarship Expo (RISE) 2018 Northeastern University. April 5, 2018. Boston, MA.
27. Nguyen J§, **Carlson A**, Poliskey K, Nguyen D, and Ryan V. Pharmacist Collaborating with Interdisciplinary Team to Provide Pre-exposure prophylaxis (PrEP) for Human immunodeficiency virus (HIV) at a Community Health Clinic.
  - Poster presented at the American Pharmacists Association (APhA) Annual Meeting. March 2019. Settle, WA.
  - Poster presented at the Resident Poster Session of the American Society of Health-System Pharmacists (ASHP) Midyear Clinical Meeting, December 2-6, 2018; Anaheim, CA.
26. Bujnoch T\*, Toscano L\*, Trottier C^, **Carlson AA** Case of methylnaltrexone for the management of ileus. Poster presented at the Student Poster Session of the American Society of Health-System Pharmacists (ASHP) Midyear Clinical Meeting, December 2-6, 2018; Anaheim, CA.
25. Toscano L\*, Bujnoch T\*, **Carlson AA**. Case of vitamin E for the management of severe cramping in a patient on hemodialysis. Poster presented at the Student Poster Session of the American Society of Health-System Pharmacists (ASHP) Midyear Clinical Meeting, December 2-6, 2018; Anaheim, CA.
24. Britt RS<sup>§</sup>, Pearson JC<sup>§</sup>, **Carlson AA**, Mahoney MV. Probably ceftaroline-induced thrombocytopenia: a case report. Poster presentation at American College of Clinical Pharmacy (ACCP) Global Conference on Clinical Pharmacy. October 20-23, 2018. Seattle, WA.
23. Antonniello A\*, Dudolevitch E\*, Sibicky SL, **Carlson AA**, Gonyeau M. A Poster About Posters: 8-year Trends in Research Presented at the American Association of Colleges of Pharmacy Annual Meeting. Poster presented at American Association of Colleges of Pharmacy (AACP) Annual Meeting, July 21-25, 2018; Boston, MA.
22. Woolley A, **Carlson AA**, Sibicky SL, Lancaster J, Douglass M, Gonyeau M. An EPIC alternative: Using an ePortfolio system to create mock electronic medical records.
  - Poster presentation at American College of Clinical Pharmacy (ACCP) Annual Meeting. October 26-29, 2019. New York, NY. [Encore presentation]

- Poster presented at American Association of Colleges of Pharmacy (AACP) Annual Meeting, July 21-25, 2018; Boston, MA.
21. Sibicky SL, **Carlson AA**. We Come Together: Integration of Adult Internal Medicine Inpatient APPEs.
    - Poster presentation at American College of Clinical Pharmacy (ACCP) Annual Meeting. October 26-29, 2019. New York, NY. [Encore presentation]
    - Poster presented at American Association of Colleges of Pharmacy (AACP) Meeting, July 21-25, 2018; Boston, MA.
  20. **Carlson AA**, Sibicky SL. You are invited to train in our dojo: ClassDojo applied to didactic and experiential education. Poster presented at American Association of Colleges of Pharmacy (AACP) Meeting, July 21-25, 2018; Boston, MA.
  19. Imbruglia TA\*, Sibicky SL, **Carlson AA**. They "Like" It! Use of Web 2.0 Technologies on Advanced Pharmacy Practice Experiences.
    - Poster presentation at American College of Clinical Pharmacy (ACCP) Annual Meeting. October 26-29, 2019. New York, NY. [Encore presentation]
    - Poster presented at American Association of Colleges of Pharmacy (AACP) Meeting, July 21-25, 2018; Boston, MA. [Encore presentation]
    - Poster presented at Research, Innovation, and Scholarship Expo (RISE) 2018 Northeastern University. April 5, 2018. Boston, MA.
  18. 19. Ali S\*, Patel S\*, **Carlson A**. A Literature Review Examining the use of Allopurinol in the Treatment of Gout for Patients with Chronic Kidney Disease. Poster presented at the student poster session of the Research Innovation and Scholarship Expo (RISE): 2018 at Northeastern University. April 5, 2018; Boston, MA.
  17. Bor S\*, Druker I\*, Long-Faizo B\*, **Carlson A**, Saczynski J. Comprehensive review of CHA2DS2-VASc, ATRIA, and HAS-BLED risk scores and the implications for anticoagulant prescribing practice in the clinical setting. Poster presented at the Student Poster Session of the American Society of Health-System Pharmacists (ASHP) Midyear Clinical Meeting, December 3-7, 2017; Orlando, FL.
  16. Chuang M\*, Madhavaiya N\*, Shah R\*, Saczynski J, **Carlson A**. Underprescribing of oral anticoagulant therapy in frail, elderly patients: a look into depression, cognitive impairment, and fall risk. Poster presented at the Student Poster Session of the American Society of Health-System Pharmacists (ASHP) Midyear Clinical Meeting, December 3-7, 2017; Orlando, FL.
  15. **Carlson AA**, DiVall MV, Douglass M, Gonyeau M, Lancaster J, Sibicky S, Woolley AB. Development and evaluation of a general medicine elective course.
    - Poster presentation at American College of Clinical Pharmacy (ACCP) Global Conference on Clinical Pharmacy. October 20-23, 2018. Seattle, WA. [Encore presentation]
    - Poster presented at American Association of Colleges of Pharmacy (AACP) Meeting, July 15-19, 2017; Nashville, TN.
  14. LeSueur D<sup>‡</sup>, **Carlson AA**, Sibicky S, Douglass M, DiVall M, Gonyeau M, Woolley A, Lancaster J. Impact of a general medicine elective course on pharmacy student perceptions of APPE readiness.
    - Poster presentation at American College of Clinical Pharmacy (ACCP) Global Conference on Clinical Pharmacy. October 20-23, 2018. Seattle, WA. [Encore presentation]
    - Poster presented at American Association of Colleges of Pharmacy (AACP) Meeting, July 15-19, 2017; Nashville, TN. [Encore presentation]
    - Poster presented at the student poster session of the Research Innovation and Scholarship Expo (RISE): 2017 at Northeastern University. April 13, 2017; Boston, MA.

13. DiVall MV, **Carlson A**, Copeland D, Van Amburgh J, Choi G, Min M, Gonyeau M. Longitudinal E-portfolio as a Tool to Develop Self-Awareness and Document Achievement of CAPE Outcomes. Poster presented at American Association of Colleges of Pharmacy (AACP) Meeting, July 15-19, 2017; Nashville, TN.
12. Golden L\*, Goodwin H\*, Moreno J, Wakeman S, **Carlson A**. Outcomes in Patients Receiving Intramuscular Naltrexone: A Retrospective Cohort Study.
  - Poster presented at the Scientific Poster Presentations of the American Association of Clinical Pharmacy (ACCP) Annual Meeting, October 7-10, 2017; Phoenix, AZ. [Encore presentation]
  - Poster presented at the student poster session of the Research Innovation and Scholarship Expo (RISE): 2017 at Northeastern University. April 13, 2017; Boston, MA.
11. Broadbent EK\*, Hirsch EB, **Carlson AA**. Use of leucovorin for the management of drug-induced pancytopenia in a patient infected with *Toxoplasma gondii*.
  - Poster presented at the Scientific Poster Presentations of the American Association of Clinical Pharmacy (ACCP) Annual Meeting, October 7-10, 2017; Phoenix, AZ. [Encore presentation]
  - Poster presented at the Student Poster Session of the American Society of Health-System Pharmacists (ASHP) Midyear Clinical Meeting, December 4-8, 2016; Las Vegas, NV.
10. Margulis A\*, Bhalla A\*, **Carlson A**, Adra M. Compliance with metformin dosing based on four guidelines. Poster presented at the Student Poster Session of the American Society of Health-System Pharmacists (ASHP) Midyear Clinical Meeting, December 4-8, 2016; Las Vegas, NV.
9. Motto M\*, **Carlson A**, Rose T. A literature review examining the use of combination inhaler tiotropium/olodaterol in COPD. Poster presented at the student poster session of the Research Innovation and Scholarship Expo (RISE): 2016 at Northeastern University. April 7, 2016; Boston, MA.
8. Potenza J\*, **Carlson A**, Campos M\*. Successful use of fondaparinux via subcutaneous arm injection for the prevention of thrombotic events. Poster presented at the Student Poster Session of the American Society of Health-System Pharmacists (ASHP) Midyear Clinical Meeting, December 6-10, 2015; New Orleans, LA.
7. Saraceni M<sup>§</sup>, **Carlson A**, Adra M. Impact of a pharmacist-utilized inpatient warfarin monitoring tool on patient safety. Poster presented at the Resident Poster Session of the American Society of Health-System Pharmacists (ASHP) Midyear Clinical Meeting, December 7-11, 2014; Anaheim, CA.
6. Jeffords A\*, Campbell C\*, Reis L\*, O'Dwyer S\*, **Carlson A**. Management of Warfarin Therapy in a Medicine Patient Population at an Academic Medical Center. Poster presented at the Student Poster Session of the American Society of Health-System Pharmacists (ASHP) Midyear Clinical Meeting, December 8-12, 2013; Orlando, FL.
5. Parikh R<sup>#</sup>, Koster ML<sup>#</sup>, Dolce M, **Carlson A**, DiVall MV, Weinstein AR. A Student-Led Interprofessional Integration Pilot in the Beth Israel Deaconess Crimson Care Collaborative Practice.
  - Poster presented at the 2014 Society of Student Run Free Clinics Annual Conference, February 2014; Nashville, TN. [Encore presentation]
  - Poster presented at 2013 Innovations Conference. Center for Primary Care, Harvard Medical School, October 2013; Boston, MA.
4. Voils S, **Carlson A**. Association of Venous Thromboembolism (VTE) and Missed Doses of Prophylactic Anti-Thrombotic Medications in High Risk Patients. Poster presented at the

Scientific Poster Presentations of the American Association of Clinical Pharmacy (ACCP) Annual Meeting, October 13-16, 2013; Albuquerque, NM.

3. **Carlson A**, Taylor P, Voils S. Association of Venous Thrombotic Events and Missed Doses of Prophylactic Anti-Thrombotic Medications in High Risk Patients. Poster presented at the University Health System Consortium (UHC), part of the 2011 American Society of Health-System Pharmacists (ASHP) Mid-Year Clinical Meeting, December 2011; New Orleans, LA.
2. **Carlson A**, Mason M, Vincent C. An Evaluation of Stress Ulcer Prophylaxis Guidelines. Poster presented at the Resident Poster Session of the American Society of Health-System Pharmacists (ASHP) Midyear Clinical Meeting, December 5-9, 2010; Anaheim, CA.
1. **Carlson A**, Olonzi M, Zehner R, Kalsekar I. Effect of Tissue-Selectivity of Angiotensin Converting Enzyme Inhibitors in Prevention of Ischemic Stroke. Poster presented at Butler University, September 2009; Indianapolis, IN.

## **Creative Activity**

### **Presentations—Continuing Education**

15. **Carlson A**. “An Update on Gout” [1hr program]. Innovatix, LLC. August 2019.
14. **Carlson A**. “Go On, (Don’t) Leave me Breathless: An Update on COPD.” [1hr program]. Innovatix, LLC. March 2019.
13. DiVall MV, **Carlson AA**. JCPP Pharmacist Patient Care Process: Time to Reinvent the Wheel? [1hr program]. Massachusetts Society of Health-System Pharmacists (MSHP). Boston, MA. July 2017.
12. **Carlson A**. “Me too or not me too, that is the question.” [1.5hr program]. Northeastern University School of Pharmacy. Boston, MA. December 2016.
11. **Carlson A**. “Waiting to Inhale: An Update on COPD.” [1hr program]. New Hampshire Society of Health-System Pharmacists Columbus Day Program. Manchester, NH. October 2015.
10. **Carlson A**. “Gout: New Treatments for an Old Disease.” [1hr program]. Innovatix, LLC. April 2015.
9. **Carlson A**. “An Update on the Treatment of Gout.” [1.5hr program]. Council of Boston Teaching Hospitals (COBTH). Boston, MA. March 2015.
8. **Carlson A**. “An Update on the Management of Chronic Obstructive Pulmonary Disease.” [1hr program]. Innovatix, LLC. November 2014.
7. **Carlson A**. “An Update on the Treatment of Gout.” [1.5hr program]. Northeastern University School of Pharmacy. Westport, MA May 2014; Marlborough, MA July 2014; Quincy, MA August 2014; Lynnfield, MA September 2014; Mansfield, MA October 2014.
6. **Carlson A**. “The Pharmacist’s Role in Bariatric Surgery.” [1hr program]. Council of Boston Teaching Hospitals (COBTH). Boston, MA. October 2013.
5. **Carlson A**. “COPD: Treatment and Compliance.” [1.5hr program]. Northeastern University School of Pharmacy. Westport, MA June 2013; Quincy, MA August 2013; Lynnfield, MA September 2013; Mansfield, MA October 2013; Pittsfield, MA November 2013; and Boston, MA December 2013.
4. **Carlson A**. “COPD: A Review of the Disease and Current Treatment Options.” [1hr program]. Virginia Commonwealth University Medical Center. Richmond, VA. January 2012.
3. **Carlson A**. “Anaphylaxis.” [1hr program]. Temple University Hospital. Philadelphia, PA. May 2011.
2. **Carlson A**. “Food Allergies. [1hr program]. Temple University Hospital. Philadelphia, PA. April 2011.

1. **Carlson A.** “Gout: A Review of the Disease and Current Treatment Options.” [1hr program]. Temple University Hospital. Philadelphia, PA. March 2011.

#### Presentations—National

2. Autry E, **Carlson A**, Miller D, Miller M, Wanat M. Making the Match: Assessing Strategies for Student Success in Obtaining Postgraduate Training American Association of Colleges of Pharmacy (ACCP) Annual Meeting. July 13-17, 2019. Chicago, IL.
1. **Carlson A**, DiVall M, Gonyeau M. “Longitudinal e-portfolio for professional development and programmatic outcomes assessment.” Assessment Institute in Indianapolis at Indiana University Purdue University Indianapolis. October 2016. Indianapolis, IN.

#### Presentations—Local and Regional

9. **Carlson A**, Sibicky S. “Teaching Philosophies for Pharmacy Residents and Preceptors.” Resident and Preceptor development for Boston Medical Center Pharmacy Residency Program. Boston, MA. September 2019.
8. **Watwood B, Carlson A, Sibicky S.** “Post-Cambridge Analytica: Pros and Cons of Facebook for Learning.” CPS Faculty Development Conference. Northeastern University. Boston, MA. October 2018.
7. **Carlson A.** “An Update on Gout Medications.” Rheumatology Grand Rounds at Beth Israel Deaconess Medical Center. Boston, MA. January 2015.
6. **Carlson A.** “Hypertensive Crises.” Crimson Care Collaborative at Beth Israel Deaconess Medical Center. Boston, MA. March 2014.
5. **Carlson A.** “Empiric Antibiotic Therapies.” Robinson Firm Attending Rounds. Beth Israel Deaconess Medical Center. Boston, MA. July 2013.
4. **Carlson A.** NAPLEX Review Sessions on Asthma and COPD. Northeastern University School of Pharmacy. Boston, MA. May 2013—2015.
3. **Carlson A.** “Association of venous thrombotic events and missed doses of prophylactic anti-thrombotic medications in high risk patients.” Virginia Commonwealth University Medical Center. Richmond, VA. May 2012.
2. **Carlson A.** “An evaluation of stress ulcer prophylaxis guidelines.” Platform Presentation; Eastern States Residency Conference. Hershey, PA. April 2011.
1. **Carlson A**, Olznoi M, Zehner R. “Effect of tissue-selectivity of angiotensin converting enzyme inhibitors in prevention of ischemic stroke.” Platform Presentation; Undergraduate Research Conference. Butler University. Indianapolis, IN. May 2010.

#### Professional Development

Helping Educators Learn Pedagogy (H.E.L.P). Albany College of Pharmacy and Health Sciences—Albany, NY	August 2013
Board Certified Pharmacotherapy Specialist, BCP3120263 Board of Pharmacy Specialties	2012—Present
Teaching and Learning Certificate Virginia Commonwealth University Health System—Richmond, VA	June 2012

## TEACHING EXPERIENCE

### Clinical Experiential Teaching

PGY1 Pharmacy Practice Resident Training		
Academic Year	Practice Site	# of Residents
2019-2020	Beth Israel Deaconess Medical Center; Boston, MA	1
2018-2019	Beth Israel Deaconess Medical Center; Boston, MA	3
2017-2018	Beth Israel Deaconess Medical Center; Boston, MA	2
2016-2017	Beth Israel Deaconess Medical Center; Boston, MA	2
2015-2016	Beth Israel Deaconess Medical Center; Boston, MA	3
2014-2015	Beth Israel Deaconess Medical Center; Boston, MA	4
2013-2014	Beth Israel Deaconess Medical Center; Boston, MA	2
2012-2013	Beth Israel Deaconess Medical Center; Boston, MA	1

Advanced Pharmacy Practice Experiences (APPE) in Adult Internal Medicine		
Academic Year	Practice Site	# of Students
2019-2020	Beth Israel Deaconess Medical Center; Boston, MA	11
2018-2019	Beth Israel Deaconess Medical Center; Boston, MA	14
2017-2018	Beth Israel Deaconess Medical Center; Boston, MA	14
2016-2017	Beth Israel Deaconess Medical Center; Boston, MA	16
2015-2016	Beth Israel Deaconess Medical Center; Boston, MA	14
2014-2015	Beth Israel Deaconess Medical Center; Boston, MA	16
2013-2014	Beth Israel Deaconess Medical Center; Boston, MA	18
2012-2013	Beth Israel Deaconess Medical Center; Boston, MA	5
2012-2013	Virginia Commonwealth University Medical Center; Richmond, VA	2

### Didactic Experience—Courses Coordinated

Northeastern University, Bouvé College of Health Sciences, School of Pharmacy—Boston, MA			
<i>(*Denotes New Course Developed in Conjunction with Colleagues)</i>			
Course No. & Title	Semester	Semester Hours	Years Taught: # Students
PHMD 4641 Comprehensive Disease Management (CDM) 4	Spring	6	2018: 134 2017: 149 2016: 114
PHMD 4642 CDM4 Seminar	Spring	1	2018: 134 2017: 149 2016: 114
PHMD 4700 Principles of General Medicine*	Spring	2	2019: 14 2018: 14 2017: 16 2016: 10 2015: 10
PHMD 4621 CDM2	Summer	6	2015: 123 2014: 129

PHMD 4622 CDM2 Seminar	Summer	1	2015: 123 2014: 129
PHMD 6233 CDM3	Summer	4	2013: 151
PHMD 6234 CDM3 Seminar	Summer	0.5	2013: 151

### Didactic Experience—Courses Lectured

Northeastern University, Bouvé College of Health Sciences, School of Pharmacy—Boston, MA					
Course No. & Title	Semester	Semester Hours	Topics	Lectures/ Total Hours	Years Taught: # Students
PHMD 4642 CDM4	Spring	6	<ul style="list-style-type: none"> <li>Thyroid Disorders</li> </ul>	1/2	2018: 134
PHMD 4631 CDM3	Fall	6	<ul style="list-style-type: none"> <li>Sexually Transmitted Infections</li> <li>Vaginal Infections (added 2017)</li> <li>Catheter related, blood stream infections, and endocarditis (added 2019)</li> </ul>	3/6 2/4 2/4 2/4 1/2	2019: 108 2018: 133 2017: 135 2016: 154 2015: 123
PHMD 4700 Principles in General Medicine	Spring	2	<ul style="list-style-type: none"> <li>COPD</li> <li>Drug Induced Diseases</li> <li>Lupus</li> <li>Practice Patient Presentations</li> </ul>	7/14 7/14 7/14 6/12 7/14	2019: 19 2018: 14 2017: 15 2016: 10 2015: 10
PHMD 4621 CDM2	Summer	6	<ul style="list-style-type: none"> <li>Gout</li> </ul>	1.5/3 1/2 1/2 1/2 1/2 1/2	2019: 116 2018: 139 2017: 135 2016: 143 2015: 123 2014: 129
PHMD 4611 CDM1	Spring	6	<ul style="list-style-type: none"> <li>Asthma</li> <li>COPD</li> </ul>	3/6	2019: 118 2018: 139 2017: 139 2016: 145 2015: 129 2014: 133
PHMD 4587 CDM2	Spring	4	<ul style="list-style-type: none"> <li>Asthma</li> <li>COPD</li> </ul>	3/6	2013: 151
PHMD 6266 CDM6	Spring	4	<ul style="list-style-type: none"> <li>Gout</li> <li>Migraine</li> </ul>	1/2	2014: 138 2013: 148

Virginia Commonwealth University, School of Pharmacy—Richmond, VA					
Course No. & Title	Semester	Semester Hours	Topics	Lectures/ Total Hours	Years Taught
PHAR 603 Clinical Therapeutics, Module IX: Respiratory/ Immunology	Spring	3	<ul style="list-style-type: none"> <li>• COPD</li> <li>• COPD Exacerbations</li> </ul>	2/3	2012

Virginia Commonwealth University, School of Nursing—Richmond, VA					
Course No. & Title	Semester	Semester Hours	Topics	Lectures/ Total Hours	Years Taught
NURS 502 Nursing Practice: Pharmacotherapeutics	Spring	3	<ul style="list-style-type: none"> <li>• Obesity Management</li> <li>• Thyroid Disorders</li> <li>• Adrenal Gland Disorders</li> </ul>	0.5/1.5	2012

Temple University, School of Pharmacy—Philadelphia, PA					
Course No. & Title	Semester	Semester Hours	Topics	Lectures/ Total Hours	Years Taught
P380 Adverse Drug Reactions II: Case Studies	Spring	2	<ul style="list-style-type: none"> <li>• Food Allergies</li> </ul>	1/2	2011

#### Didactic Experience—Small Group Capstones

Northeastern University, Bouvé College of Health Sciences, School of Pharmacy—Boston, MA					
Course No. & Title	Semester	Semester Hours	Role	Years Taught: # Students	
PHMD 5600 Pharmacy Capstone	Fall	4	Co-Advisor	2019: 5	2018: 2
				2017: 6	2016: 2
PHMD 4600 Pharmacy Capstone	Spring	4	Co-Advisor	2018: 2	2017: 2
				2016: 1	

#### Didactic Experience—Small Group Classrooms

Northeastern University, Bouvé College of Health Sciences, School of Pharmacy—Boston, MA					
Course No. & Title	Semester	Semester Hours	Role	Years Taught: # Students	
CDM 3 Seminar	Fall	1	Faculty Mentor*	2019: 14	2018: 18
PHMD 4642 CDM 4 Seminar	Spring	1	Facilitator	2017: 19	

PHMD 4622 CDM 2 Seminar	Summer	1	Seminar Facilitator or Backup	2017: 18 2015: 123 2014: 129
PHMD 6223 Drug Information & Evaluation	Summer	2	Evaluator	2015: 4 2014: 5 2013: 5
PHMD 6268 CDM 6/7 Seminar	Spring	0.5	Facilitator	2014 CDM6: 15 2013 CDM7: 14 2013 CDM6: 13
*The School of Pharmacy converted to having pharmacy residents/fellows facilitate seminar with a faculty mentor to answer questions and provide feedback to the post-graduate trainee(s).				

Temple University, School of Pharmacy—Philadelphia, PA				
Course No. & Title	Semester	Semester Hours	Role	Years Taught
P239 Pharmacy Care Recitation I	Fall	1	Co-Facilitator	2011
P246 Pharmacy Care Recitation II	Spring	1	Co-Facilitator	2012

### Advising

Northeastern University, Bouvé College of Health Sciences, School of Pharmacy—Boston, MA	
Rho Chi Beta Tau Chapter Advisor	2017—Present
Lambda Kappa Sigma Alpha Rho Chapter Advisor	2014—2017
Portfolio Advisor to PharmD Students	2012—Present
Letters of recommendations 2018: 6 students, 2 residents 2017: 10 students, 2 residents 2016: 6 students 2015: 5 students 2014: 7 students, 3 residents 2013: 7 students 2012: 1 student	2012—Present

### SERVICE

#### Service to Department of Pharmacy and Health-Systems Sciences

Member, MERIT Committee	2017—Present
Chair	2019—2020
Member, Formulary Ad Hoc Committee	2015—2018
Chair, Preparing Practice Ready Pharmacists Strategic Priority	2014—2017
Member, Portfolio Taskforce	2013—2014
Member, CDM Coordinators Group	2012—Present

#### Service to School of Pharmacy

Walgreens Pharmacy Residency Faculty Liaison	2018—Present
Faculty Promotion Committee	2018—2019
Co-chair for 2 faculty seeking promotion to associate professor	2018—2019
Member, Academic Standing Committee	2017—2018
Faculty Search Committees	
Department of Pharmacy and Health-Systems Sciences (Member; brought Chanhyun Park on board)	2017—2018
Department of Pharmaceutical Sciences (Member; brought Lara Milane on board)	2017
Member, Student Professional Development Committee	2014—2018
Member, ACPE Curriculum Standards Self-Study Committee	2014—2016
American College of Clinical Pharmacy (ACCP) Clinical Skills Competition Co-Advisor	2013—2016
Member, Scholarship and Awards Committee	2012—2014

#### **Service to Bouvé College of Health Sciences**

Member, Academic Standing Committee	2019—Present
Graduate Commencement Faculty Marshall	2013

#### **Service to Northeastern University**

Undergraduate Research and Creative Endeavors Awards Committee	2016
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#### **Service to Profession**

Council of Boston Teaching Hospitals Steering Committee (COBTH)	
Chair	2015—2016
Member	2014—2016
Member, Massachusetts Society of Health-System Pharmacists	
Crimson Care Collaborative, a Harvard Medical School Student-Faculty Medical Practice, Beth Israel Deaconess Medical Center (BIDMC) Practice Site	
Interprofessional Education Committee Member	2013— 2016
BIDMC Practice Site Pharmacy Preceptor	2013— 2016
Member of American College of Clinical Pharmacy (ACCP)	2011—Present
Member, Pulmonary and Rheumatology PRN	2018—Present
Member, Education and Training (EDTR) PRN	2017—Present
Member, Programming Committee	2018—Present
Adult Medicine (AMED) PRN	
Member, Programming Committee	2018—Present
Member, Nominations Committee	2017—2018
Member, Training and Travel Awards Committee	2017—2018

Member, Internal Affairs Committee	2016—2017
Member, Walk Rounds Committee	2013—2015, 2017—2018
Member of American Association of Colleges of Pharmacy (AACP)	2012—2013, 2016—Present
Member, Women Faculty SIG	2018—Present
Member, Technology in Pharmacy Education SIG	2018—Present
Member of Beth Israel Deaconess Medical Center Pharmacy Residency Advisory Committee (RAC)	2012—Present
Member of American Society of Health-System Pharmacists (ASHP)	2008—2011
Member of Rho Chi	2008—Present
Member of Lambda Kappa Sigma	2004—Present

#### Service as a Peer Reviewer

American Journal of Health-System Pharmacy	2016
Annals of Pharmacotherapy	2012—2013, 2017
Currents in Pharmacy Teaching and Learning	2013, 2018

#### HONORS AND AWARDS

AACP Innovations in Teaching Award Finalist	2019
ACCP AMED PRN Top 3 Poster	2018
ACCP New Educator Award Nominee	2018
Bouvé Distinguished Educator Undergraduate Award Nominee	2015, 2017
Bouvé Distinguished Educator Graduate Award Nominee	2015, 2017
ACCP Adult Medicine PRN Mentoring Award Nominee	2016
Northeastern University School of Pharmacy Teaching Excellence Award	2016
Northeastern University Phi Lambda Sigma Leadership Society Faculty Honoree	2015
Butler University Lambda Kappa Sigma Ethel J Heath Key Award	2010
Butler University Merck Award	2010
Butler University Pharmacists Mutual Companies Award	2008