

Michelle Jacobs, PharmD, RPh, CDE, BCACP

### CONTACT INFORMATION

Northeastern University	Practice site:
Bouvé College of Health Sciences	DotHouse Health
School of Pharmacy	1353 Dorchester Avenue
Department of Pharmacy and Health Systems Sciences	Dorchester, Massachusetts 02122
360 Huntington Avenue, R218	Phone: 617-740-2528
Boston, Massachusetts 02115	Email: michelle.jacobs@dotwell.org
Phone: 617-373-4628	
Email: m.jacobs@northeastern.edu	

### EDUCATION AND PROFESSIONAL TRAINING

Doctor of Pharmacy, June 1995	1991-1995
	University of California, San Francisco
	School of Pharmacy
PGY-1 Pharmacy Practice Residency	1995-1996
	University of California, San Francisco
	School of Pharmacy
Undergraduate studies	1989-1991
Focus: Organic chemistry and Animal Physiology	University of California, San Diego
	John Muir College

### EMPLOYMENT HISTORY

Assistant Clinical Professor (2007 - present)	November 2003 – present
Assistant Clinical Specialist (2003 - 2006)	Northeastern University
	Bouvé College of Health Sciences
	School of Pharmacy
	Department of Pharmacy and Health Systems Sciences
	Boston, Massachusetts
Clinical Pharmacist Practitioner	October 2001 - November 2003
	Lahey Clinic
	Burlington, Massachusetts
Course Coordinator and Lecturer	January 2000 - 2004
Advanced Pharmacology	University of Massachusetts, Lowell
Department of Nursing	Lowell, Massachusetts
Assistant Professor of Clinical Pharmacy	August 1996 to October 2001
Practice site:	Massachusetts College of Pharmacy &
Boston University Geriatric Services	Health Sciences
Boston Medical Center	Boston, Massachusetts

**TEACHING AND ADVISING**

<b>Clinical Teaching: Precepting - Advanced Pharmacy Practice Experience (APPE)</b>			
Course	Practice Site	Years taught	Student enrollment
PHMD 6442/6445 Ambulatory Care APPE	DotHouse Health Dorchester, Massachusetts	2019 -2014	73
PMD G442, PHMD 6442/6445 Ambulatory Care APPE	Whittier Street Health Center Roxbury, Massachusetts	2013 - 2004	128

<b>Didactic Teaching: Course Coordination*</b>			
School of Pharmacy			
Course	Years coordinated	Semester	Student enrollment
PHMD 4621 Comprehensive Disease Management Module 2	2019	Summer	116
	2018		133
	2017		136
PHMD 4623 Comprehensive Disease Management Module 2 Seminar	2016		143
	2015		130
	2014		142
PHMD 6233 Comprehensive Disease Management Module 3	2013	Summer	147
	2012		150
PHMD 6234 Comprehensive Disease Management Module 3 Seminar	2011		136
	2010		144
PMD G245 Therapeutics 5	2010	Spring	110
	2009		129
	2008		120
PMD G246 Therapeutics 5 Seminar	2007		104
	2006		120
	2005		120
School of Nursing			
NUR G222 Pharmacotherapy for Adults / Older Adults	2006	Spring	20
	2005		16

\*Courses coordinated in the School of Pharmacy were team taught courses with multiple lecturers or facilitators. The course coordination in the School of Nursing included teaching all lectures within the course.

<b>Didactic Teaching: Lecture</b>				
School of Pharmacy				
Course	Topic(s)	Year(s) taught	Lecture # / Hrs	Student enrollment
PHMD 4611 Comprehensive Disease Management Module 1	Diabetes	2019	2 / 4	118
		2018	2 / 4	139
		2017	2 / 4	137
		2016	2 / 4	145
		2015	2 / 3	130
		2014	2 / 3	142
PHMD 4621 Comprehensive Disease Management Module 2	Pain Management	2019	2 / 4	116
		2018	3 / 6	133
		2017	3 / 5	136
		2016	4 / 6	143
		2015	3.5 / 6	130
		2014	3 / 5	142
PHMD 6233 Comprehensive Disease Management Module 3	Therapeutic Integration case	2015	1 / 1	130
PHMD 4611 Comprehensive Disease Management Module 1	Advanced Active Learning session	2014	1 / 2	142
PHMD 6233 Comprehensive Disease Management Module 3	Advanced Active Learning session	2014	1 / 2	142
PHMD 6266 Comprehensive Disease Management Module 6	Pain Management	2014	3 / 6	145
		2013	3 / 6	137
		2012	3 / 6	120
		2011	3 / 6	134
PHMD 6233 Comprehensive Disease Management Module 3	Diabetes	2013	2 / 4	147
		2012	2 / 4	150
		2011	2 / 4	136
		2010	2 / 4	144
PMD G241 Therapeutics 1	Diabetes	2009	4 / 4	98
		2008	3 / 3	135
PMD G245 Therapeutics 5	Pain Management	2010	2 / 4	110
		2009	2 / 4	129
		2008	1 / 2	120
	Capstone	2007	1 / 2	104
U401 Pathophysiology	Aging Alzheimer's	2009	3 / 3	101
		2008	3 / 3	130

	Diabetes Pain Management	2007 2005	2 / 2 2 / 4	130 102
PMD G244 Therapeutics 4	Geriatrics  Alzheimer's Disease	2010 2009 2008 2007 2006 2005 2004	2 / 4 2 / 4 2 / 4 2 / 4 2 / 3.5 2 / 3 1 / 2	116 131 120 104 102 98 110
<b>School of Nursing</b>				
NUR G222 Pharmacotherapy for Adults / Older Adults	All therapeutic topics in course	2006 2005	8 / 24 8 / 24	20 16

<b>Didactic Teaching: Small Group</b>				
Course	Role	Year(s) taught	Semester	Student enrollment
PHMD 5600 Capstone	Project advisor	2019 - 2016		8 students 7 projects
PHMD 4612 Comprehensive Disease Management Module 1 Seminar	Facilitator	2018 2017 2016 2015	Spring Spring Spring Spring	19 18 19 16
PHMD 6266 Comprehensive Disease Management Module 6 Seminar	Facilitator	2014 2013 2012 2011	Spring Spring Spring Spring	15 13 12 12
PHMD 6233 Comprehensive Disease Management Module 3 Seminar	Facilitator	2012 2011	Summer Summer	14 13
PHMD 5976 Directed Study	Project advisor	2011 2010	Summer Summer	1 1
PHMD 6245 Therapeutics 5 Trailer Course*	Facilitator	2010	Summer	2
PHMD 6246 Therapeutics 5 Seminar Trailer Course*	Facilitator	2010	Summer	2
PMD G244 Therapeutics 4 Seminar	Facilitator	2009 2008	Spring Spring	13 12

PMD G245 Therapeutics 5 Seminar	Facilitator	2008	Spring	12
BHS U100 Introduction to College / Freshman Seminar	Facilitator	2007	Fall	18
PHMD 6223 Drug Information and Evaluation	Created questions Graded papers	2015 - 2005	Summer	Graded 52 papers
PMD G243 Therapeutics 3 Seminar	Facilitator	2006 2005	Fall Summer	12 11
PMD U971 Honors Project Title: Identifying factors leading to uncontrolled diabetes mellitus in an outpatient setting: a retrospective case-study.	Advisor	2005	Summer, Fall	1
PMD U579 Pharmaceutical Care Practice Lab	Facilitator Grader	2004	Spring Fall	20 20

\*Extra compensation received for exceeding yearly workload.

<b>Advising</b>				
	Role	Year(s) taught	Semester	Student #
Portfolio Freshman to P3 year students	Advisor	2004-present	All	3-7 / year
Comprehensive Disease Management Module 4 Seminar	Faculty advisor for 2 PGY-1 pharmacy residents	2019	Spring	19
Evidence Based Medicine project group	Advisor and served as poster judge	2018 2017 2016	Fall Fall Fall	2 groups 4 groups 1 group
Pharmacy Economic Capstone project	Advisor	2016	Spring	1 group
Capstone project NU Graphics Design student	Advisor	2012	Summer	1 student
Student organization: <ul style="list-style-type: none"> <li>• Lambda Kappa Sigma</li> <li>• Phi-Delta Chi Fraternity</li> </ul>	Advisor Co-advisor	2007-2011 2007	All year All year	

## **SCHOLARSHIP**

### **PUBLICATIONS - REFEREED**

1. Rose TN, **Jacobs M**, Reid DJ, Bouwmeester CJ, Conley MP, Fatehi B, Matta T, Barr JT. Real-world impact on monthly glucose-lowering medication cost, HbA1c, weight, and polytherapy after initiating a GLP-1 receptor agonist. *Accepted for publication in Journal of the American Pharmacists Association* September 2019.

Abstract was featured inside the APhA *PharmacyToday* on-line magazine in the “News You Can Use” section. It links the reader to the JAPhA’s website, “Article in Press”. Available at: <http://messaging.aphanet.org/q/11nxxEBAmfnfYZgn5oqfxv0/wv>

2. **Jacobs M**, Sajjad A\*, Zheng K\*, Crosson J. Integration of home blood pressure monitoring in hypertension management. *Archives of Clinical Hypertension*. 2017;3(1):021-026.

Available at:

[https://www.academia.edu/34236748/Integration\\_of\\_Home\\_Blood\\_Pressure\\_Monitoring\\_in\\_Hypertension\\_Management](https://www.academia.edu/34236748/Integration_of_Home_Blood_Pressure_Monitoring_in_Hypertension_Management)

3. **Jacobs M**, Sherry P, Taylor L, Amato M, Tataronis G, Cushing G. Pharmacist assisted medication management program enhancing the regulation of diabetes (PAMPERED) study. *Journal of the American Pharmacists Association*. 2012;52(5):613–621.

Available at: [https://www.japha.org/article/S1544-3191\(15\)30525-2/fulltext](https://www.japha.org/article/S1544-3191(15)30525-2/fulltext)

4. Dennehy CE, Kroon LA, **Byrne M**, Koda-Kimble MA. Increase in number and diversity of clinical interventions by PharmD students over a clerkship rotation. *American Journal of Pharmaceutical Education*. 1998;62:373-379. Available at:

<http://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.559.6698&rep=rep1&type=pdf>

### **PUBLICATION - OTHER:**

1. Hardie TL, **Byrne M**. Forward. *Nurse’s Handbook of Behavioral and Mental Health Drugs*. Blanchard & Loeb Publishers, LLC. 2003-2009, 3<sup>rd</sup> ed. pp.xxi-xxiii. ISBN: 978-0-7637-6548-4.

### **ABSTRACTS: REFEREED**

1. Kirwin J, DiVall M, Douglass M, Gonyeau M, **Jacobs M**, McQueeney M, Skirvin A, Van Amburgh J, Watanabe M, Zgarrick D. Curricular revision incorporating pathophysiology, pharmaceutical care skills, self-care, and pharmacotherapeutics to enhance content delivery. Abstract published in: *American Journal of Pharmaceutical Education*. 2011;75(5), Article 105.

2. **Jacobs M**, Drews M. A four-year evaluation of an on-going diabetes group medical visit in an urban community health center. Abstract published in: *Diabetes*. 2008; 57(1),A565,2044-PO.

### **POSTER PRESENTATIONS: REFEREED**

1. Barr JT, Rose T, **Jacobs M**, Reid DJ, Bouwmeester C, Conley M, Fatehi B, Matta TM. Collaboration among ambulatory care faculty results in multi-center GLP-1 impact study. Presented at: American Association of Colleges of Pharmacy Annual Meeting, July 2019. Chicago, Illinois.

2. **Jacobs M**, Rose TN, Reid DJ, Bouwmeester CJ, Conley MP, Fatehi B, Matta T, Barr JT. Impact of adding a GLP-1 receptor agonist to the medication regimen. Presented at: American Diabetes Association’s 79th Scientific Sessions, June 2019. San Francisco, California.

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3. Chun H\*, Laguna A\*, **Jacobs M**. Quality improvement through utilization of TSOACs in an anticoagulation clinic. Presented at:

- American Pharmacists Association Annual Meeting & Exposition, March 2019. Seattle, Washington.
- RISE:2019 Research, Innovation, and Scholarship Expo, Northeastern University, April 2019. Boston, Massachusetts.

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4. **Jacobs M**, Chen J\*. Evaluating patient instructions in a pharmacist-run home blood pressure monitoring program. Presented at: American College of Clinical Pharmacy Global Conference on Clinical Pharmacy, October 2018. Seattle, Washington.

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5. Rose TN, Reid DJ, **Jacobs M**, Conley MP, Matta TM, Bouwmeester, CJ, Barr JT, McManus A. Impact of adding a GLP-1 receptor agonist to a diabetes medication regimen in an ambulatory care setting. Presented at: American College of Clinical Pharmacy Annual Meeting, October 2017. Phoenix, Arizona.

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6. **Jacobs M**, Crosson J, Pham DQ, Santel L. Integration of home blood pressure monitoring in hypertension management. Presented at: Community Health Institute & EXPO: National Association of Community Health Centers, August 2017. San Diego, California.

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7. Miller DM, Rose TN, Conley MP, **Jacobs M**, Reid DJ, Matta TM. Pre- and post- assessments to evaluate student competency in ambulatory care advanced pharmacy practice experiences. Presented at: American Association of Colleges of Pharmacy Annual Meeting, 2017. Nashville, Tennessee.

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8. Rose TN, Conley MP, Clark HA, Roberts R, **Jacobs M**, Stanley K, Zgarrick DP. Building a direct-entry pathway into a Doctor of Pharmacy program. Presented at: American Association of Colleges of Pharmacy Annual Meeting, July 2016. Anaheim, California.

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9. **Jacobs M**, Sajjad A\*, Zheng K\*. Integration of home blood pressure monitoring in hypertension management. Presented at:

- Massachusetts Society of Health-System Pharmacists Annual Meeting, April 2016. Newton, Massachusetts.
- RISE:2016 Research, Innovation, and Scholarship Expo, Northeastern University, April 2016. Boston, Massachusetts.

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10. Lee C\*, Min M\*, **Jacobs M**. A Northeastern University School of Pharmacy capstone project: Diabetes program for at risk patients to prevent or delay the onset of type 2 diabetes at a community health center. Presented at: RISE:2016 Research, Innovation, and Scholarship Expo, Northeastern University, April 2016. Boston, Massachusetts.

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11. Rosario E\*, **Jacobs M**. Anticoagulation Management at DotHouse Health. Presented at: RISE:2016 Research, Innovation, and Scholarship Expo, Northeastern University, April 2016. Boston, Massachusetts.

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12. Chen K\*, Mei XL\*, Park E\*, **Jacobs M**. Pharmacist-managed blood pressure monitoring program. Presented at:

- New England Institute of Ambulatory Care Pharmacists Spring Forum, April 2015. Boston, Massachusetts.
- New England Pharmacist Convention, October 2014. Ledyard, Connecticut.

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13. Abbruscato A\*, Jeffords A\*, Kolbig L\*, **Jacobs M**. Collaborative patient-care approach to improving diabetes management in a community health center. Presented at: RISE:2014

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Research, Innovation, and Scholarship Expo Northeastern University, April 2014. Boston, Massachusetts.

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14. Bungay K, Bouwmeester C, Conley, Gingras D, **Jacobs M**, Matta T, Reid D, Van Amburgh J on behalf of Northeastern University, School of Pharmacy. A portfolio of innovative community activities from Northeastern University School of Pharmacy. Presented at: American College of Clinical Pharmacy Annual Meeting, 2014. Austin, Texas.

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15. Somers L\*, Susi A\*, Wang L\*, **Jacobs M**. Examination of patient variables on warfarin dosing and monitoring. Presented at: 6th Annual Bouve Interprofessional Research Symposium, Northeastern University, March 2013. Boston, Massachusetts.

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16. Campbell C\*, **Jacobs M**, Drews M, Lehmann C. Integration of pharmacy students into an acupuncture clinic. Presented at: New England Pharmacist Convention, August 2013. Ledyard, Connecticut.

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17. Lento G\*, Mok S\*, **Jacobs M**. Implementation of an opioid safety review council at an urban community health center. Presented at:

- New England Pharmacist Convention, August 2013. Ledyard, Connecticut.
  - American Society of Health-System Pharmacists Midyear Clinical Meeting, December 2013. Orlando, Florida.
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18. Besignano A\*, Dansereau J\*, **Jacobs M**. Evaluating the correlation of established risk factors and pancreatitis in patients taking glucagonlike peptide-1 (GLP-1) receptor agonists and dipeptidyl peptidase-4 (DPP-4) inhibitors. Presented at: American Society of Health-System Pharmacists Midyear Clinical Meeting, December 2013. Orlando, Florida.

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19. **Jacobs M**, Gagnon D\*. Response of 25-hydroxyvitamin D serum concentrations to varying vitamin D replacement regimens in an urban Boston population. Presented at: American Society of Health-System Pharmacist Midyear Clinical Meeting, December 2012. Las Vegas, Nevada.

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20. Bungay K, Bouwmeester C, Chim C, Conley M, Furtek K, **Jacobs M**, McQueeney M, Pham N, Reid D, Sherman R, Van Amburgh J. Northeastern University School of Pharmacy Society for Ambulatory Care. Presented at: New England Pharmacist Convention September 2012. Ledyard, Connecticut.

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21. Sharma M\*, Healy P, Drews M, **Jacobs M**. The effects of adding liraglutide to an urban type 2 diabetic population. Presented at: American Colleges of Clinical Pharmacy Annual Meeting, October 2011. Pittsburgh, Pennsylvania.

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22. **Jacobs M**, Schoch A\*, Shelly A\*, Drews M. Weight effects of insulin glargine in an African American and Hispanic population. Presented at:

- Massachusetts Society of Health-System Pharmacists Annual Meeting, 2011. Newton, Massachusetts.
  - RISE:2011 Research, Innovation, and Scholarship Expo Northeastern University, April 2011. Boston, Massachusetts.
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23. Kirwin J, DiVall M, Douglass M, Gonyeau M, **Jacobs M**, McQueeney M, Skirvin A, Van Amburgh J, Watanabe M, Zgarrick D. Curricular revision incorporating pathophysiology, pharmaceutical care skills, self-care, and pharmacotherapeutics to enhance content delivery. Presented at: American Association of Colleges of Pharmacy Annual Meeting, 2011. Austin, Texas. Published in: *American Journal of Pharmaceutical Education*. 2011;75(5), Article 105.

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24. **Jacobs M**, Drews, M. Patient Safety and Clinical Pharmacy Services Collaborative (PSPC). Presented at: American Pharmacists Association Annual Meeting & Exposition, March 2010. Washington, D.C.

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25. **Jacobs M**, Sherry P, Taylor L, Amato M, Tataronis G, Cushing G. Pharmacist assisted medication management program enhancing the regulation of diabetes (PAMPERED) study. American Diabetes Association's 65<sup>th</sup> Annual Meeting and Scientific Sessions, 2005. San Diego, California.

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#### POSTER PRESENTATIONS: NON-REFEREED

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1. **Jacobs M**. Clinical pharmacy services integrated in anticoagulation, diabetes and hyperlipidemia management. Patient Safety and Clinical Pharmacy Services Collaborative. U.S. Department of Health and Human Services. Learning Session 4, September, 2009. Dallas, Texas.

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2. **Jacobs M**. Clinical pharmacy services integrated in anticoagulation, diabetes and hyperlipidemia management. Patient Safety and Clinical Pharmacy Services Collaborative. U.S. Department of Health and Human Services. Learning Session 3. May 2009. Washington, D.C.

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3. **Jacobs M**. Story Board 1: Defining population of focus, health outcomes and drug safety parameters. Patient Safety and Clinical Pharmacy Services Collaborative. U.S. Department of Health and Human Services. Learning Session 1, September 2008. Washington, D.C.

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4. **Jacobs M**. Story Board 2: Update in the population of focus, clinical pharmacy services, health outcomes, drug safety parameters, and data collection. Patient Safety and Clinical Pharmacy Services Collaborative. U.S. Department of Health and Human Services. Learning Session 2, December 2008. Washington, D.C.

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5. **Jacobs M**. Drews M. Whittier Street Health Center: Diabetes management. Health Disparities Collaborative National Congress, September 2004. Nashville, Tennessee.

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\*Indicates co-author as current/former pharmacy student

#### CREATIVE ACTIVITY

#### PUBLICATIONS

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1. **Jacobs M**. *Pharmaceutical Informative: Therapeutic and Cost Benefit of Extended Release Versions of Cyclobenzaprine and Tramadol*. Publication for: Best Doctors, Occupational Health Institute. 2009.

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#### Publications where I am interviewed:

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1. Kuznar W. RPh Involvement Improves A1c Levels in Type 2 Diabetes. *Drug Topics*. Available at: <https://www.drugtopics.com/top-news/rph-involvement-improves-a1c-levels-type-2-diabetes> July 2005.

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2. Kordella T. Clinical Pharmacists Can Get You to Goal. *Diabetes Forecast*. 2005 Oct;58(10):46. <https://www.ncbi.nlm.nih.gov/pubmed/16294407>

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3. American Diabetes Association's 65<sup>th</sup> Annual Meeting and Scientific Sessions, *Clue of the Day*. 2005. *Clue of the Day* was published daily to the media about presentations to enhance the media coverage of the conference. My abstract was one of 40 selected out of 2000 abstracts.

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## PRESENTATIONS

### National presentations:

1. **Jacobs M**, Gregerson P. "Dialogue on Population of Focus – Creating a Clinical Pharmacist Run Anticoagulation Clinic." Platform presentation at: Patient Safety and Clinical Pharmacy Services Collaborative. U.S. Department of Health and Human Services. Learning Session 2, December 2008. Washington DC.
2. **Jacobs M**, Drews M. "Creating Foolproof Systems: Patients and Practice Factors for Embedding Guidelines and Facilitating Spread." Platform presentation at: Health Disparities Collaborative National Congress, September 2004. Nashville, Tennessee.
3. **Jacobs M**. "Using Center Based Research and Evidence Based Practice to Address Disparities in Diabetes Among African Americans and Latino Patients in Roxbury." Presented within session titled: Community-Based Research of Racial and Ethnic Disparities in Health: Guiding Policy and Practice. American Public Health Association Annual Meeting, November 2004. Washington, DC.

## PRESENTATIONS

### Regional presentations:

1. Invited panel speaker. "Pre-health Interdisciplinary Panel for Undergraduate Students Interested in Pursuing a Career in Health Care." Hosted by: Northeastern University's American Medical Women's Association. Northeastern University. Boston, Massachusetts, February 2018.
2. **Jacobs M**. "Learning How to Improve Communication Through a 12-year-old, a Previous Hostage Negotiator for the FBI, and a Spanish Translator." Presented to Northeastern University Department of Pharmacy and Health Systems Sciences faculty, Boston, Massachusetts. June 2018.
3. **Jacobs M**. "The Evidence Behind Home Blood Pressure Monitoring and How to Integrate It in Your Practice." Presented to Boston Medical Center medical residents, DotHouse Health, Dorchester, Massachusetts. January 2017.
4. Invited panel speaker. "Physical Therapist - Pharmacy Panel: Opportunities for Interprofessional Collaboration." Hosted by the American Pharmacists Association student chapter at Northeastern University. April 2017.
5. **Jacobs M**. "Home Blood Pressure Monitoring." Presented at the Research-In-Progress Seminar Series sponsored by the Department of Pharmacy and Health Systems Sciences Scholarship/Research committee, Northeastern University. Boston, Massachusetts. April 2017.
6. **Jacobs M**. "Interprofessional Video for Pain Management Lectures." Presented to Northeastern University Department of Pharmacy and Health Systems Sciences faculty. Boston, Massachusetts, September 2015.
7. **Jacobs M**. "Examining the Efficacy of Treating Vitamin D Deficiency." Presented at: Pharmacy Practice Research Forum, Northeastern University School of Pharmacy. 2011.
8. **Jacobs M**. "Clinical Faculty Relationships Within Community Health Centers Work." Presented at the Northeastern University Urban Research Exchange, Northeastern University, Boston, Massachusetts. 2009.

9. **Jacobs M.** “Delivery System Design: Group Visits.” Presented at the Massachusetts Health Disparities Collaborative, Marlborough, Massachusetts. June 2016.

10. **Jacobs M.** “Therapeutics Jeopardy.” Grand Rounds presented to the Boston University Geriatrics Section at Boston Medical Center, Boston, Massachusetts. September 2005.

## PRESENTATIONS

### Continuing Medical Education presentations:

1. **Jacobs M.** “Home Blood Pressure Monitoring Program at DotHouse Health.” Continuing Education Programs, Boston University School of Medicine (1-hour program). Presented at: Family Medicine department, DotHouse Health, Dorchester, Massachusetts. July 2019.

2. **Jacobs M.** “Hypertension Guideline Update.” Continuing Education Programs, Boston University School of Medicine (1-hour program). Presented at: Family Medicine department, DotHouse Health, Dorchester, Massachusetts. April 2018.

3. **Jacobs M.** “New Insulin Products on the Market.” Continuing Education Programs, Boston University School of Medicine (1-hour program). Presented at: Family Medicine department, DotHouse Health, Dorchester, Massachusetts. November 2017.

4. **Jacobs M.** “Update on the Cardiovascular Effect of Diabetes Medications.” Continuing Education Programs, Boston University School of Medicine (1-hour program). Presented at: Family Medicine department, DotHouse Health, Dorchester, Massachusetts. October 2014.

5. **Jacobs M.** “Glucagon-Like Peptide-1 Receptor Agonist (GLP-1 RA): From Gila Monster Venom to Clinical Practice” (1.5-hour program). Presented at:

- Continuing Education Programs, Boston University School of Medicine. Adult Medicine department, DotHouse Health, Dorchester, Massachusetts. August 2017.
- Professional Development Days, Northeastern University, School of Pharmacy. December 2016.

6. **Jacobs M.**, Conley M. “APhA Pharmacist Immunization Training Program” (8-hour program). Presented through the Office of Continuing Education, Northeastern University School of Pharmacy. Boston, Massachusetts. March 2016.

7. **Jacobs M.** “Pain Management Clinical Pearls.” Continuing Education Programs, Boston University School of Medicine (1-hour program). Presented at: Family Medicine department, DotHouse Health, Dorchester, Massachusetts. October 2014.

8. **Jacobs M.** “Medication in the Elderly.” Continuing Education Programs, Boston University School of Medicine (1-hour program). Presented at: Adult Medicine department, DotHouse Health, Dorchester, Massachusetts. October 2014.

9. **Jacobs M.** “Alzheimer’s Disease: A Matter of Remembering” (1-hour program). Presented at: Professional Development Days, Northeastern University, School of Pharmacy. Dec 2004.

**GRANTS - INTERNAL**

2019: Undergraduate Research and Fellowships Conference Travel Fund Award	Grant award supporting student travel to the American Pharmacists Association Annual Meeting and Exposition in Seattle, Washington. Travel funds (\$563.00) awarded to two Capstone students presenting the results of their Capstone project. Poster title: Quality improvement through utilization of TSOACs in an anticoagulation clinic
2017: Full-Time Faculty Professional Development Fund. Northeastern university, Office of the Provost	Grant to support study materials and exam registration costs in order to become a Board Certified Ambulatory Care Pharmacist (BCACP). Award: \$1,200.00 (% effort: 100%) Exam taken and passed, 2018
2007-2008: Provost Grant Program: Instructional Development Fund. Northeastern university, Office of the Provost	DiVall M, Douglass M, Gonyeau M, <b>Jacobs M</b> , Trujillo J, Wantanabe M. Class Recordings as MP3s (CRaM): student experience and effect on learning outcomes. Award: \$4000.00 Facilitated research logistics (including surveys, evaluation of data and formal write up) of students who listen to pod casts through Blackboard (% effort: 10-15%).

**GRANTS - EXTERNAL**

2006 – 2011: Smith Family Foundation Grant	Assisted in the writing of a 5 year, 1.2-million-dollar grant for Whittier Street Health Center for improvements in diabetes care delivered at Whittier Street Health Center (% effort: 5-10%). Grant impact / my involvement: expanding medical diabetes group visits, weekly multi-disciplinary diabetes clinic, and developing / implementing a Diabetes Self-Management Education program recognized by the American Diabetes Association. \$8,000.00 paid for my travel expenses related to the Patient Safety and Clinical Pharmacy Services Collaborative, 2008 to 2010.
2005: Omron Healthcare, Inc.	Award: 2 home blood pressure machines values at \$250. This created a lending home blood pressure monitoring program at Whittier Street Health Center (% effort: 90%).

## **SERVICE AND PROFESSIONAL DEVELOPMENT**

<b>SERVICE TO THE INSTITUTION:</b>	
<b>DEPARTMENT SERVICE</b>	
<b>Department of Pharmacy and Health Systems Sciences</b>	
Comprehensive Disease Management Coordinator committee (previously: Therapeutics Course Coordinator committee)	2007-present 2017-present: Chair 2009-2010: Chair
Northeastern University Society of Ambulatory Care	2011-present
Research and Scholarship committee	2015-2018
Pharmacy Research committee	2015-2016
Putting Community Back into Community Pharmacy task force	2011-2014
Faculty Search committee	2008-2009
Professional Affairs committee	2006, 2007, 2011
Merit committee	2006
Rho Chi Wars	2011-2016
Intervention Project: Pharmacy Shark Tank: "Guest Shark"	2015
Rho Chi Speed Dating	2014
<b>SCHOOL SERVICE</b>	
<b>School of Pharmacy</b>	
School of Pharmacy Admissions committee	2009-present 2010-2016: Chair
<u>On behalf of the School of Pharmacy Admissions committee:</u>	
School of Pharmacy Direct-Entry Admissions Interview Days	2014-2019: 30 interview days
School of Pharmacy Sophomore Progression Interviews	2009-2018
PharmD Virtual Health Fair	2018
PharmD Career Eco Virtual Open House	2017
AACP Holistic Admissions Institute	2017
Annual Health Professions Fair University of Massachusetts, Boston	2017
Pre-Medical & Pre-Health Professions National Conference University of California, Davis	2015
Admitted Students Phone-a-thon	2018 - 2019 2013 2011
APhA Immunization Training Program Observer of injection technique	2016-2019 (6 sessions) (compensation received)
APhA Immunization Training Program – Train the Trainer	2015
ACPE Self Study:	

Wrote Standards 17 draft (Admissions section)	2014
Committee member (Faculty and Staff section)	2008-2009
Assessment committee	2004-2006

### COLLEGE SERVICE

#### Bouve College of Health Sciences

Bouve Health Fair: Student immunizer observer – flu shots Immunizer - flu shots Blood pressure screening	2017-2018 2010, 2012-2015 2008
Health Sciences Day	2017 – April 2016 – October 2012 – May, November
Bouve College of Health Sciences Open House	2016 – April, October 2014 – November, December 2008 – November 2005 – November, 2 sessions
Living Learning Community - Sponsored by the Office of Student Services and Residential Life. Hosted dinner discussion.	2012 2011
Bouve College of Health Sciences Summer Orientation Program	2007
Bouve College of Health Sciences Welcome Day	2005, 2009

### SERVICE TO THE PRACTICE SITE

#### DotHouse Health, Dorchester, Massachusetts

Clinical	Medication management clinic Anticoagulation management clinic Home blood pressure monitoring program Drug information resource Continuing Medical Education presentations
Programmatic / committee participation	Project Improvement Committee project co-leader: HTN management High risk diabetes group Hypertension group Patient engagement group Facilitated program recognition (2014) from the America Diabetes Association for the Diabetes Self-Management Education (DSME) program DSME program coordinator and facilitator – 2014-2016 Protocol development
Inservice topics	Aspirin used for CVD primary prevention Quality improvement for blood pressure screening Integration of home blood pressure monitoring into clinic flow Filling out prior authorization forms

### Whittier Street Health Center, Roxbury, Massachusetts

Clinical	<p>Medication management clinic</p> <p>Interprofessional diabetes clinic: Physician, pharmacist, nutritionist</p> <p>Interprofessional diabetes monthly group visits: Physician, pharmacist, nutritionist</p> <p>Interprofessional pain management clinic: Acupuncturist, pharmacist</p> <p>Anticoagulation management clinic</p> <p>Home blood pressure monitoring program</p> <p>Asthma clinic</p> <p>Employee flu clinic x 3</p> <p>Drug information resource</p>
Programmatic / committee participation	<p>Pharmacy and Therapeutic Committee – 2005-2012 (Chair: 2011)</p> <p>IRB member – 2005-2009</p> <p>Opioid safety review council member</p> <p>DSME program coordinator and facilitator – 2007-2013</p> <p>National Health Disparities Collaborative – 2005-2009</p>

### SERVICE TO THE PROFESSION

Editorial Peer Reviewer		
<ul style="list-style-type: none"> <li>Dove Medical Press, Journal: Integrated Blood Pressure Control</li> <li>Dove Medical Press, Journal: Clinical Audit</li> <li>Currents in Pharmacy Teaching and Learning</li> <li>Jones &amp; Bartlett Learning: Reviewed proposal for a case-based pharmacotherapy text</li> <li>Archives of Internal Medicine</li> </ul>		<p>2015</p> <p>2013</p> <p>2012</p> <p>2012</p> <p>2011</p>
Best Doctors Occupational Health Institute	Consulted for formulary development/guidance and clinical pharmacy management (Pro-bono)	2009
New England Gerontology Academy Certificate program for Certified Nursing Assistants Cranston, Rhode Island	Lecture topics: Cardiovascular disease Diabetes (Compensated)	2008 2007 2005
MedMetrics Health Partners	Vice Chair of the Pharmacy and Therapeutics Committee (Pro-bono)	2005 2004
Focus group participant: Asthma for non-physician providers	Center for Community Health Education, Research, and Service (CCHERS) (Pro-bono)	2004
Blanchard & Loeb Publishers, LLC.	Advisor for <i>Nurse's Handbook of Behavioral and Mental Health Drugs</i> . 2003-2009, 3 <sup>rd</sup> ed.	2003

### PROFESSIONAL CREDENTIALS AND DEVELOPMENT

Board Certified Ambulatory Care Pharmacist	December 2018 - December 2025 Board of Pharmacy Specialties
Certified Diabetes Educator	2005. Re-certified to 2020

Pharmacist license	Certification Board for Diabetes Educators Massachusetts License no. PH24113, Exp December 2020 Board of Registration in Pharmacy
Blood Borne Pathogens and Exposure Control Certificate	November 2018 - November 2019 Northeastern University Environmental Health and Safety
Basic Life Support Provider CPR and AED certified	November 2017 - November 2019 American Heart Association
Certified Pharmacist Immunizer	2001-present American Pharmacists Association

### Professional Memberships

American Diabetes Association  
American Association of Diabetes Educators

### SERVICE TO THE COMMUNITY

Saturday Flu Clinic	DotHouse Health Dorchester, Massachusetts	2014
Monthly educational sessions with APPE students	Jewish Memorial Hospital Roxbury, Massachusetts	2005 2004

### AWARDS / HONORS

Poster presentation award: The Greatest Impact on Direct Patient Care	American Pharmacists Association Annual Meeting, Washington, DC. March	2010
Practitioner Excellence Award	Massachusetts Society of Health-System Pharmacists	2003