

# Benjamin Y. Urick, PharmD, PhD

UNC Eshelman School of Pharmacy  
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## EDUCATION

December 2016                      PhD, Pharmaceutical Socioeconomics  
University of Iowa, Iowa City, IA

May 2011                              Doctor of Pharmacy  
Drake University, Des Moines, IA

## PROFESSIONAL AND ACADEMIC POSITIONS

September 2016 – Present      University of North Carolina, Chapel Hill, NC  
September 2016 – Present: MEMBER, Center for Medication Optimization  
September 2016 – Present: RESEARCH ASSISTANT PROFESSOR

August 2011 –                      University of Iowa, Iowa City, IA  
August 2016                          PRESIDENTIAL FELLOW

November 2013 –                  Nucara Pharmacy, Coralville, IA  
July 2016                              FLOATER PHARMACIST

August 2012 – May 2014        University of Iowa College of Pharmacy, Iowa City, IA  
TEACHING ASSISTANT

June 2011 –                          CVS/Pharmacy, Iowa City, IA  
November 2013                      REGIONAL SUPPORT PHARMACIST

January 2010 –                      Senator Jack Hatch, Iowa Senate, Des Moines, IA  
April 2010                              HEALTH POLICY INTERN

## LICENSURE AND CERTIFICATES

December 2015                      Graduate Certificate in College Teaching  
College of Education  
University of Iowa, Iowa City, IA

July 2011                              Iowa Pharmacist License

## HONORS AND AWARDS

March 2019	Outstanding Reviewer, Journal of the American Pharmacists Association
September 2017	Appointed to Genesis Alumni Advisory Board, University of Iowa College of Pharmacy
May 2016	Pharmacy Quality Alliance Excellence in Quality Improvement Research Award
August 2015	Leadership Pharmacy Participant, Iowa Pharmacy Association
May 2015	Outstanding Teaching Assistant Award, University of Iowa Graduate College
August 2011 – August 2016	Presidential Fellowship, University of Iowa Graduate College
July 2013	American Association of Colleges of Pharmacy Walmart Scholar
May 2011	Excellence in Public Health Pharmacy Award
March 2011	Phi Lambda Sigma-American Foundation for Pharmaceutical Education First-Year Graduate Student Fellowship
September 2008	Phi Lambda Sigma Inductee

## **SCHOLARSHIP**

### **RESEARCH INTERESTS AND CURRENT PROJECTS**

My research interests lie at the intersection of pharmacy practice, healthcare and health policy. I am particularly interested in the role of community pharmacists in the evolving healthcare system and the use of secondary data to measure healthcare quality. Specific topics include:

- Development and scientific testing of healthcare quality measures
- Leveraging pharmacy networks to increase healthcare quality and reduce spending
- Innovative pharmacy practice models
- Pharmaceutical reimbursement and pharmacy profitability

### **GRANTS AND CONTRACTS: PENDING-SUBMITTED**

#### **Testing Oncology Care Quality Measures: Practice-level Variation and Measure Reliability**

*Lineberger Developmental Award (Urick)*      \$49,313      10% in kind 7/19 – 6/20

Evaluates variation in hospitalizations, emergency department visits, and use of hospice care among Medicare beneficiaries receiving oncology care from oncology providers in North Carolina.

Role: PI

GRANTS AND CONTRACTS: ACTIVE

**Driving Quality and Engagement Across a Comprehensive Medication Management Provider Network via a Novel Pay-for-Performance Strategy**

*Eshelman Institute for Innovation (Blanchard/Sorenson)*                      \$248,691    5%                      7/19 – 6/20

Combine a pay-for-performance strategy for community pharmacies with robust implementation support to accelerate practitioner adoption of medication optimization services.

Role: Co-I

**Evaluating a Comprehensive Medication Management Telepharmacy Model: A New Frontier for Providers and Patients in Rural Communities**

*Eshelman Institute for Innovation (Livet/Curran)*                      \$249,403    3%                      7/19 – 6/20

Create, implement, and evaluate a comprehensive medication management model for complex patients with diabetes as part of primary care clinics located in rural communities.

Role: Co-I

**Predictive Analytics + Clinical Services = Value-Based Care**

*Eshelman Institute for Innovation (Easter)*                      \$141,813    5%                      3/19 – 2/20

Defines the types of performance-based models experienced by pharmacy owners and explore predictors of owners' perceptions of and responses to performance-based payment models.

Role: Co-I

**Community Pharmacy Owners' Perceptions of Performance-Based Pharmacy Payment Models**

*American Association of Colleges of Pharmacy (Urlick)*                      \$9,500    10% in kind    2/19 – 1/20

Defines the types of performance-based models experienced by pharmacy owners and explore predictors of owners' perceptions of and responses to performance-based payment models.

Role: PI

**Development and Evaluation of a Patient-Centered Approach to Assess Quality of Care: Patient-Reported Outcomes-based Performance Measures (PRO-PMs)**

*Patient-Centered Outcomes Research Institute (Basch)*                      \$896,837    10% in kind    1/19 – 8/19

Develop and evaluate a patient-centered approach to assessing cancer care quality by testing feasibility of patient reported outcome measurement in cancer clinics and building the necessary evidence to transform PROs to PRO-PMs.

Role: Co-I

**Implementation of a De-Prescribing Medication Protocol to Evaluate Falls in Older Adults**

*Centers for Disease Control and Prevention (1U01CE002955-01) (Ferreri/Busby-Whitehead)*

\$2,999,999    10%                      10/18 – 9/22

Develops and implements a deprescribing protocol to reduce use of benzodiazepines and opioids for older adults and evaluates the impact of the protocol on medication use, satisfaction, risk for and incidence of falls and fall-related events.

Role: Co-I

**Exploration and Adaptation of Performance-Based Pharmacy Payment Models**

*PharmAlliance* (Urick/Jackson) \$48,268 10% *in kind* 11/18 – 10/19

Explores infrastructure which enables implementation of performance-based payment models in the US, adapts infrastructure to the Australian context while examining Australian infrastructure that is lacking in the US, and creates a framework to explore expansion of performance-based payments in other global healthcare settings.

Role: PI

**Who Did What to Whom? Estimating the Relative Contribution of Pharmacists and Primary Care Providers to Quality Measures**

*Community Pharmacy Foundation* (Urick/Pickering) \$75,000 10% 9/18 – 8/19

Using pharmacies and physician group practices as clustering variables, calculates residual intraclass correlation coefficients to explore the relative contribution pharmacists and physicians to their patients' healthcare quality.

Role: Co-PI

**Relationship between Telepharmacy Care and Healthcare Quality**

*Cardinal Health* (Urick) \$27,596 10% 10/18 – 9/19

Evaluates the difference in medication adherence and medication appropriateness between telepharmacies and the traditional pharmacies which support them.

Role: PI

**Cancer, Care Coordination, and Medication Use for Multiple Chronic Conditions**

*National Institute on Aging (1R01AG050733-01A1)* (Trogdon) \$592,040 5% *in kind* 4/17 – 3/20

Identifies gaps in medication use during cancer treatment and in the transition to survivorship; highlights the effects of policies, including the nation's largest medical home program, to improve the management of multiple chronic conditions among older, complex cancer patients.

Role: Co-I

GRANTS AND CONTRACTS: COMPLETE

**Validity of Prescription Claims as a Proxy for Diagnosis of Diabetes**

*NC TraCS Institute Pilot Grant (2KR1011816)* (Urick) \$2,000 10% *in kind* 4/18 – 3/19

Evaluates the validity of prescription claims as a proxy for a medical-claims based diagnosis for diabetes from 2011 and 2016.

Role: PI

**Integrating Predictive Analytics with Individualized Medication Management Services to Improve Care and Lower Cost**

*AlignCare, LLC* (Easter/Urick) \$10,000 25% *in kind* 7/18 – 12/18

Compares the utility of a new predictive analytics tool as an alternative to a manual patient screening process for a pharmacist-led telephonic medication management clinic.

Role: Co-PI

**Optimizing the Medical Neighborhood: Transforming Care Coordination Through the North Carolina Community Pharmacy Enhanced Services Network (Year 4)**

*Center for Medicare and Medicaid Innovation (1R01AG050733-01A1)* (Urlick/Trygstad)

\$187,523 60% 09/17 – 08/18

Attributed patients to pharmacies, developed quality measures to evaluate pharmacy performance and patient outcomes, and evaluated differences in outcomes between intervention and control patients over time.

Role: Co-PI

**Optimizing the Medical Neighborhood: Transforming Care Coordination Through the North Carolina Community Pharmacy Enhanced Services Network (Year 3)**

*Center for Medicare and Medicaid Innovation (1R01AG050733-01A1)* (Farley/Trygstad)

\$614,007 80% 09/16 – 08/17

Attributed patients to pharmacies, developed quality measures to evaluate pharmacy performance and patient outcomes, and evaluated differences in outcomes between intervention and control patients over time.

Role: Co-I

**Expanding Clinical Services in the Community Pharmacy Setting to Improve Quality and Lower Healthcare Costs**

*National Association of Chain Drug Stores* (Easter)

\$29,000 2.5% 11/17 – 5/18

Explored the literature to provide a base of support for community pharmacy services.

Role: Co-I

PUBLICATIONS

PEER REVIEWED PUBLICATIONS

18. Farley JF, **Urlick BY**, Trygstad T, Pfeiffenberger T, Ferreri S. Using Community Pharmacies to Lower Medicaid Spending and Improve Health Service Utilization. *Under Revision*.
17. Steeb D, **Urlick BY**, Sleath B, Joyner P. Institutional Factors Associated with Global Health Education across US Pharmacy Schools. *Curr Pharm Teach Learn. Accepted with Minor Revisions*.
16. Jackson J, **Urlick BY**. Performance-Based Pharmacy Payment Models: The Case for Change. *Australian Health Review. Accepted with Minor Revisions*.

15. **Urlick BY**, Mattingly TJ 2nd, Mattingly AN. Relationship between regulatory barriers to entry and pharmacy technician wages. *Res Social Adm Pharm*. 2019 May 17;. doi: 10.1016/j.sapharm.2019.05.003. [Epub ahead of print]
14. Kang I, **Urlick BY**, Vohra R, Ives T. Physician-pharmacist collaboration on chronic pain management during the opioid crisis: a qualitative interview study. *Res Soc Adm Pharm*. 2019; doi: 10.1016/j.sapharm.2019.04.052. [Epub ahead of print]
13. Farley JF, Kumar A, **Urlick BY**, Domino ME. Patient-Centered Medical Homes and Preventative Service Use. *Am J Manag Care*. 2019;25(5):e153-e159.
12. **Urlick BY**, Farley JF. Do Enhanced Services Pharmacies Serve Sicker Patients? *J Am Pharm Assoc*. 2019;59(2):280-284.
11. Renfro CP, **Urlick BY**, Mansour M, Ferreri S. Relationship between Pharmacy Characteristics and Pharmacy Performance. *J Am Pharm Assoc*. 2019;59(2):280-284.
10. Witry MJ, **Urlick BY**. Knowledge and Comfort Change with an Active Learning Activity on Medication Adherence Calculations. *Curr Pharm Teach Learn*. 2019;11(2):155-159.
9. **Urlick BY**, Urmie JM. Framework to Assess Community Pharmacy Value. *Res Soc Adm Pharm*. In Press: <https://doi.org/10.1016/j.sapharm.2018.12.008>.
8. **Urlick BY**, Ferreri SP, Shasky C, Pfeifferberger T, Trygstad T, Farley JF. Using Global Outcomes to Measure Pharmacy Performance: Lessons Learned from Implementing an Alternative Payment Model in Community Pharmacies. *J Manag Care Spec Pharm*. 2018;24(12):1278-1283.
7. Murry LT, Gerleman, BL, **Urlick BY**, Urmie JM. Third Party Reimbursement for Generic Prescription Drugs: Maximum Allowable Cost (MAC) Lists and the Prevalence of "Underwater" MACs. *J Am Pharm Assoc*. 2018;58:421-425.
6. Steckler TJ, Brownlee MJ, **Urlick BY**, Farley MJ. Pharmacy informatics: A call to action for educators, administrators, and residency directors. *Curr Pharm Teach Learn*. 2017;9(5):746-749.
5. **Urlick BY**, Kaskie BP, Carnahan RM. Improving antipsychotic prescribing practices in nursing facilities: The role of surveyor methods and surveying agencies in upholding the Nursing Home Reform Act. *Res Soc Adm Pharm*. 2016;12(1):91-103.
4. Gums TH, Kleppinger EL, **Urlick BY**. Outcomes of Individualized Formative Assessments in a Pharmacy Skills Laboratory. *Am J of Pharm Educ*. 2014;78(9):166
3. **Urlick BY**, Urmie JM, Doucette WR, McDonough RP. Assessing changes in third-party gross margin for a single community pharmacy. *J Am Pharm Assoc*. 2014;54:27-34
2. **Urlick BY**, Kjos A, Andreski M, Gainer K. Iowa Technician Workforce Survey 2010. *J Iowa Pharmacy Assoc*. July 2011.

1. **Urlick BY**, Zgarrick D et. al. Iowa Pharmacy Technician Compensation Survey. *J Iowa Pharmacy Assoc.* July 2009.

#### BOOK CHAPTERS

3. Urmie JM, **Urlick BY**. Third Party Payer Considerations. *Pharmacy Management*. 5<sup>th</sup> Edition. McGraw-Hill Companies. New York. 2019. *Under Revision*.
2. Urmie JM, **Urlick BY**. Impact of Health Policy on Health Care Delivery. *Pharmacy Management*. 4<sup>th</sup> Edition. McGraw-Hill Companies. New York. 2016.
1. Urmie JM, **Urlick BY**. Third Party Payer Considerations. *Pharmacy Management*. 4<sup>th</sup> Edition. McGraw-Hill Companies. New York. 2016.

#### NON PEER REVIEWED PUBLICATIONS

8. Armstrong L, Gierer G, **Urlick BY**. Achieving Value-Driven Healthcare Goals by Expanding Community Pharmacy-Based Services. *Under Revision*.
7. **Urlick BY**. APhA2017 House of Delegates: Opportunities for Collaboration: The Impact of Science and Research on Pharmacy Practice. *J Am Pharm Assoc.* 2017;57(4):429-430.
6. **Urlick BY**, Brown P, Easter J. Achieving better quality and lower costs in Medicaid through enhanced pharmacy services. *N C Med J.* 2017;78(3):188-189.
5. Erickson C, **Urlick BY**. Provider status and the changing job market for graduating student pharmacists. *Student Pharmacist*. November/December 2015. Available at: [http://www.pharmacist.com/node/961476?is\\_sso\\_called=1](http://www.pharmacist.com/node/961476?is_sso_called=1).
4. Bzowyckj A, **Urlick BY**, Fannin JT. APhA House of Delegates: Ensuring the power and promise of pharmacy. *J Am Pharm Assoc.* 2014;54:330-335.
3. Noureldin M, Coe AB, Dikun JA, Rivera DR, **Urlick BY**. The Road Less Traveled: PharmD Postgraduate Paths. *Student Pharmacist*. January 2014.
2. **Urlick BY**. Reflections on Internship with State Senator. *J Iowa Pharmacy Assoc.* July 2010.
1. **Urlick BY**. Entrepreneurship. *J Iowa Pharmacy Assoc.* January 2010.

#### PRESENTATIONS

#### PEER REVIEWED RESEARCH POSTERS

24. **Urlick BY**, Mattingly TJ 2nd, Mattingly AN. Relationship between regulatory barriers to entry and pharmacy technician wages. *Academy Health Annual Research Meeting*. Washington, D.C. June 2019.
23. Gratie D, Cook S, **Urlick BY**. The Predictive Validity of Prescription Claims as a Proxy for Diagnosis of Diabetes. *PQA Annual Meeting*. Baltimore, MD. May 2019.
22. **Urlick BY**, Farley JF. Patient Outcomes from Implementing an Enhanced Services Network in North Carolina Community Pharmacies. *APhA Annual Meeting*. Seattle, WA. March 2019.
21. Cook S, Gratie D, **Urlick BY**. Prescription Claims Data as a Proxy for Diabetes Diagnosis. (Encore) *PharmAlliance Research Symposium*. Melbourne, VIC Australia. April 2018.
20. Steeb DR, **Urlick BY**, Sleath BL, Joyner PU. Institutional Factors Associated with Global Health Education across United States Pharmacy Schools. *AACP Annual Meeting*. July 2018.
19. **Urlick BY**, Renfro CP, Ferreri S. Relationship between Pharmacy Characteristics and Pharmacy Performance. *PQA Annual Meeting*. Baltimore, MD. May 2018.
18. Cook S, Gratie D, **Urlick BY**. Prescription Claims Data as a Proxy for Diabetes Diagnosis. *AMCP Annual Meeting*. Boston, MA. April 2018.
17. **Urlick BY**, Farley JF. Do Progressive Pharmacies Serve Less Healthy Patients? *APhA Annual Meeting*. Nashville, TN. March 2018.
16. **Urlick BY**, Urmie JM. What difference does risk adjustment make? A comparison of risk adjusted and non-risk adjusted pharmacy quality scores. *PQA Annual Meeting*. Baltimore, MD. May 2017.
15. **Urlick BY**, Urmie JM. Detecting High and Low Value Pharmacies Using Commercially Insured Patients' Prescription and Medical Claims. *APhA Annual Meeting*. San Francisco, CA. March 2017.
14. **Urlick BY**, Urmie JM. Evaluation of Thresholds for Attributing Patients to Pharmacies Using Prescription Claims. *PQA Annual Meeting*. Arlington, VA. May 2016.
13. **Urlick BY**, Urmie JM. Estimating Impact of Pharmacies on Hospital Admissions. *APhA Annual Meeting Poster Session*. Baltimore, MD. March 2016.
12. Engel ME, Osterhaus MC, **Urlick BY**, Witry MJ. Impact of community-based A1c screening and lifestyle education on patients at-risk for diabetes in a rural area. *APhA Annual Meeting Poster Session*. Baltimore, MD. March 2016.
11. Tranel T, Sorofman B, Veach S, Catney C, **Urlick BY**, Kading T. Exploring barriers and the role of community pharmacists in providing transitions of care. *APhA Annual Meeting Poster Session*. Baltimore, MD. March 2016.
10. Nichols RE, Buchele EC, **Urlick BY**. Access to Health: An Evaluation of a Student-led Interprofessional Rural Community Health Fair. *Iowa Pharmacy Association Annual Meeting*. Iowa City, IA. June 2015.



9. Jacobo JM, **Urlick BY**. Assessing and Addressing Barriers to Quality Related Event Reporting in a Community Pharmacy. *APhA Annual Meeting Poster Session*. San Diego, CA. March 2015.
8. **Urlick BY**, Urmie JM. The Way Forward: A Model of Pharmacy Practice Policy Adoption. *International Social Pharmacy Workshop*. Boston, MA. August 2014.
7. **Urlick BY**, Kaskie B, Carnahan RM. Improving Antipsychotic Prescribing Practices in Nursing Facilities. *15<sup>th</sup> Annual Student Interdisciplinary Health Research Poster Session*. Iowa City, IA. April 2014.
6. **Urlick BY**, Kaskie B, Carnahan RM. Improving Antipsychotic Prescribing Practices in Nursing Facilities. *APhA Annual Meeting Poster Session*. Orlando, FL. March 2014.
5. **Urlick BY**, Urmie JM. Towards a National Benchmark for Drug Reimbursement? Comparison of State and National Medicaid Drug Product Cost Estimate Lists. *Iowa Pharmacy Association Annual Meeting*. Coralville, IA. July 2013.
4. Patterson BJ, Witry MJ, Chang EH, **Urlick BY**, Sorofman BA. Exemplary Faculty Members' Perspectives, Experiences, and Projects in Pharmacy Scholarship of Teaching and Learning (PhSoTL). *AACP Annual Meeting*. Kissimmee, FL. July 2012.
3. **Urlick BY**, Urmie JM, Doucette WR, McDonough RP. Estimation of Gross Margin for Prescriptions across a Sample of Payers at a Progressive Community Pharmacy Over Four Years. *APhA Annual Meeting Poster Session*. New Orleans, LA. March 2012.
2. **Urlick BY**, Kjos A, Andreski M, Gainer K. Analysis of the Impact of a Certification Expansion Policy on the Iowa Pharmacy Technician Workforce from 2008-2010. *APhA Annual Meeting Poster Session*. Seattle, Washington. March 2011.
1. Zgarrick D, Quinones A, Puetz K, Pullin R, **Urlick BY**, Gooding L. Comparison of Pharmacy Technician Workforce Characteristics and Data Collection Methods Between Two States. *Iowa Pharmacy Association Annual Meeting*. Cedar Rapids, IA. June 2009.

PEER REVIEWED RESEARCH PODIA

6. Cook S, **Urlick BY**, Pathak S. Who Did What to Whom? Estimating the Relative Contribution of Pharmacists and Primary Care Providers to Quality Measures. *PQA Annual Meeting*. Baltimore, MD. May 2019.
5. **Urlick BY**, Farley JF. Patient Outcomes from Implementing an Enhanced Services Network in North Carolina Community Pharmacies. *APhA Annual Meeting*. Seattle, WA. March 2019.
4. **Urlick BY**, Urmie JM. What difference does risk adjustment make? A comparison of risk adjusted and non-risk adjusted pharmacy quality scores. *PQA Annual Meeting*. Baltimore, MD. May 2017.
3. **Urlick BY**, Urmie JM. The Way Forward: A Model of Pharmacy Practice Policy Advancement. *Midwest Social and Administrative Pharmacy Conference*. West Lafayette, IN. August 2014.

2. **Urlick BY**, Urmie JM, Doucette WR, McDonough RP. A Comprehensive Approach to Assess Changes in Third Party Reimbursement for a Single Community Pharmacy. *APhA Annual Meeting Podium Session*. Los Angeles, CA. March 2013.
1. **Urlick BY**, Urmie JM, Doucette WR, McDonough RP. Estimation of Gross Margin for Prescriptions across a Sample of Payers at a Progressive Community Pharmacy Over Four Years. *Midwest Social and Administrative Pharmacy Conference*. Madison, WI. August 2012.

INVITED PROFESSIONAL ACADEMIC PRESENTATIONS

18. **Urlick BY**. Pharmacy's Story: A Brief History of Community Pharmacy. *Young Innovators in Pharmacy*. Chapel Hill, NC. June 2019.
18. **Urlick BY**. Methods for Measuring Medication Adherence. *UNC Center for Pharmacoepidemiology*. Chapel Hill, NC. March 2019.
17. **Urlick BY**. Pharmacy's Story: A Brief History of Community Pharmacy. *Young Innovators in Pharmacy*. Chapel Hill, NC. June 2018.
16. **Urlick BY**. Drug Spending: Current Issues and Trends. *Members of the UNC AMCP Student Chapter*. Chapel Hill, NC. January, 2018.
15. **Urlick BY**. Pharmacy's Story: A Brief History of Community Pharmacy. *Young Innovators in Pharmacy*. Chapel Hill, NC. June 2017.
14. **Urlick BY**, Farley JF. CMMI Program Evaluation Interim Results. *2017 CCNC Annual Pharmacy Home Project Meeting*. Durham, NC. February 2017.
13. **Urlick BY**. Evaluation of Thresholds for Attributing Patients to Pharmacies Using Prescription Claims. *Members of the Pharmacy Quality Alliance*. Webinar. August 2016.
12. **Urlick BY**. Pharmacy's Story: A Brief History of Community Pharmacy. *Student Members of the National Community Pharmacists Association*. Iowa City, IA. January 2016.
11. Ghosh C, **Urlick BY**, Rosmann J. Pharmaceutical Pricing. *Ethical Perspectives on the News*. KCRG TV-9, Cedar Rapids, IA. December 2015. Available online at: [https://www.youtube.com/watch?v=O15sgkn\\_gYM](https://www.youtube.com/watch?v=O15sgkn_gYM).
10. **Urlick BY**. Pharmacy Practice Policy Variation and Boards of Pharmacy. *P3 Students in Pharmacy Law at Drake University*. Des Moines, IA. November 2015.
9. **Urlick BY**. Practice Based Research in Pharmacy. *Visiting Pharmacy Students from Kitasato University, Japan*. Iowa City, IA. May 2015.
8. **Urlick BY**. Direct to Consumer Advertising: A Delicate Balance. *Medical Students at the University of Iowa, College of Medicine*. Iowa City, IA. April 2015.

7. **Urlick BY.** Medicare Prescription Drug Coverage. *Masters in Public Health Students enrolled in Medicare and Medicaid at the University of Iowa, College of Public Health.* Iowa City, IA. February 2015.
6. **Urlick BY.** Healthcare Reform in the 21<sup>st</sup> Century. *Student Members of the Academy of Managed Care Pharmacy.* Iowa City, IA. November 2014.
5. **Urlick BY.** Pharmacy Practice Policy Variation and Boards of Pharmacy. *P3 Students in Pharmacy Law at Drake University.* Des Moines, IA. November 2014.
4. **Urlick BY.** Practice Based Research in Pharmacy. *Visiting Pharmacists from Tokyo Women's Medical University, Japan.* Iowa City, IA. October 2014.
3. **Urlick BY.** Practice Based Research in Pharmacy. *Visiting Pharmacy Students from Kitasato University, Japan.* Iowa City, IA. May 2014.
2. **Urlick BY.** Practice Based Research in Pharmacy. *Visiting Pharmacists from Tokyo Women's Medical University, Japan.* Iowa City, IA. October 2013.
1. **Urlick BY, Chang EH.** Pharmacy Practice Research. *Visiting Pharmacy Students from Kitasato University, Japan.* Iowa City, IA. May 2013.

## TEACHING

### TEACHING INTERESTS

My teaching interests allow me to bring my research into the classroom and explore the intersection of pharmacy practice, healthcare and health policy. The goal of my teaching is help students expand their thinking about pharmacy and understand how pharmacy fits within the healthcare system.

### INSTRUCTORSHIP

UNIVERSITY OF NORTH CAROLINA-CHAPEL HILL

Spring 2019	SOCIAL STRATIFICATION (SOCI 412) <i>Inequality in the US Healthcare System, 1 hour</i>
Spring 2019	HEALTH POLICY AND MANAGED CARE (PHCY 840) Course Coordinator, Lecturer 1 Cr. Hr., Elective Course
Fall 2018	THE US HEALTHCARE SYSTEM (PHCY 609) <i>Current Medication Reimbursement Models, 2.5 hours</i>
Fall 2018	On Becoming a Pharmacist (PHCY 501) <i>Pharmacy's Story, 1 hour</i>
Spring 2018	INDEPENDENT SEMINAR ON HEALTH POLICY AND MANAGED CARE

Instructor  
0 Cr. Hr., Elective Course

Fall 2017 THE US HEALTHCARE SYSTEM (PHCY 609)  
*Current Medication Reimbursement Models*, 2.5 hours

Fall 2016 PHARMACEUTICAL POLICY (DPOP 806)  
*Practical Challenges in Measuring Pharmacy Quality*, 1 hour

Fall 2016 THE US HEALTHCARE SYSTEM (PHCY 609)  
*Enhancing Value by Optimizing Use of Medications*, 1 hour

UNIVERSITY OF IOWA

Spring 2016 PHARMACY MANAGEMENT AND MARKETING  
*Cost of Dispensing and Prescription Profitability*, 1 hour  
*Continuous Quality Improvement*, 2 hours

Spring 2016 LEADERSHIP AND POLITICAL ADVOCACY  
Course Coordinator, Lecturer  
1 Cr. Hr., Elective Course

Fall 2015 FOUNDATIONS OF HEALTH SERVICES  
*History of Pharmacy*, 1 hour  
*Introduction to U.S. Health Care Financing System and Goals of Third-Party Payers*, 1 hour

Fall 2015 PHARMACEUTICAL ECONOMICS AND INSURANCE  
*New Models of Healthcare Delivery*, 1 hour  
*Models of Healthcare Delivery and Financing*, 1 hour  
*Federal Drug Pricing Programs*, 1 hour  
*Third Party Reimbursement for Prescription Drugs*, 1 hour  
*Third Party Reimbursement for Pharmacist Services*, 1 hour

Fall 2015 PROFESSIONAL ENGAGEMENT  
*StrengthsFinder Strengths Exploration*, 2 hours

Fall 2015 DEAN'S FORUM  
Course Coordinator, Lecturer  
2 Cr. Hr., Elective Course

Spring 2015 PHARMACY MANAGEMENT AND MARKETING  
*Cost of Dispensing and Prescription Profitability*, 1 hour  
*Continuous Quality Improvement*, 2 hours

Spring 2015 CURRENT TOPICS IN HEALTH POLICY  
Co-Instructor  
2 Cr. Hr., Elective Course

Spring 2015	LEADERSHIP AND POLITICAL ADVOCACY Course Coordinator, Lecturer 1 Cr. Hr., Elective Course
Fall 2014	PHARMACEUTICAL ECONOMICS AND INSURANCE <i>New Models of Healthcare Delivery</i> , 1 hour <i>Models of Healthcare Delivery and Financing</i> , 1 hour <i>Third Party Reimbursement for Prescription Drugs</i> , 1 hour <i>Third Party Reimbursement for Pharmacist Services</i> , 1 hour
Fall 2014	DEAN'S FORUM Course Coordinator, Lecturer 2 Cr. Hr., Elective Course
Spring 2014	PHARMACY MANAGEMENT AND MARKETING <i>Cost of Dispensing and Prescription Profitability</i> , 1 hour <i>Continuous Quality Improvement</i> , 2 hours
Spring 2014	LEADERSHIP AND POLITICAL ADVOCACY Course Coordinator, Lecturer 1 Cr. Hr., Elective Course
Fall 2013	PHARMACEUTICAL ECONOMICS AND INSURANCE <i>New Models of Healthcare Delivery</i> , 1 hour <i>Models of Healthcare Delivery and Financing</i> , 1 hour
Fall 2013	DEAN'S FORUM Course Coordinator, Lecturer 2 Cr. Hr., Elective Course
Spring 2013	CONTEMPORARY ISSUES AND LEADERSHIP Course Developer, Lecturer 1 Cr. Hr., Elective Course
Spring 2013	PHARMACY MANAGEMENT AND MARKETING <i>Cost of Dispensing and Prescription Profitability</i> , 1 hour <i>Continuous Quality Improvement and the Board of Pharmacy</i> , 1 hour
Spring 2012	PHARMACY MANAGEMENT AND MARKETING <i>Continuous Quality Improvement and the Board of Pharmacy</i> , 1 hour

**SERVICE**

**UNIVERSITY SERVICE**

**UNC Eshelman School of Pharmacy**

October 2018	Faculty INTERVIEWER PharmD Admission Interviews
January 2018	Faculty INTERVIEWER PharmD Admission Interviews
November 2017	Faculty INTERVIEWER PharmD Admission Interviews
July 2017 – Present	CHAPTER ADVISOR Academy of Managed Care Pharmacy, University of North Carolina Chapter
February 2017	PHARMACY AND THERAPEUTICS COMPETITION JUDGE Academy of Managed Care Pharmacy, University of North Carolina Chapter

**University of Iowa College of Pharmacy**

January 2017	PHARMACY AND THERAPEUTICS COMPETITION JUDGE Academy of Managed Care Pharmacy, University of Iowa Chapter
January 2016	INTERVIEWER, PRACTITIONER REPRESENTATIVE PharmD Admission Interviews
January 2016	PHARMACY AND THERAPEUTICS COMPETITION JUDGE Academy of Managed Care Pharmacy, University of Iowa Chapter
September 2014— May 2015	PROJECT DEVELOPER, COORDINATOR Interprofessional Rural Health Fair
January 2015	PHARMACY AND THERAPEUTICS COMPETITION JUDGE Academy of Managed Care Pharmacy, University of Iowa Chapter
February 2014	INTERVIEWER, PRACTITIONER REPRESENTATIVE PharmD Admission Interviews
February 2013	INTERVIEWER, PRACTITIONER REPRESENTATIVE PharmD Admission Interviews
February 2012	INTERVIEWER, PRACTITIONER REPRESENTATIVE PharmD Admission Interviews

**Drake University College of Pharmacy**

November 2015	INTERVIEWER, ALUMNI REPRESENTATIVE PharmD Admission Interviews
November 2014	INTERVIEWER, ALUMNI REPRESENTATIVE PharmD Admission Interviews
January 2013	PHARMACY AND THERAPEUTICS COMPETITION JUDGE

Academy of Managed Care Pharmacy, Drake Chapter

December 2012 DONATION LETTER COMPOSER  
Alumni White Coat Donation Program

January 2012 PHARMACY AND THERAPEUTICS COMPETITION JUDGE  
Academy of Managed Care Pharmacy, Drake Chapter

#### GRANT REVIEWER

October 2012 REVIEWER, GRANT LETTERS OF INTENT  
ASHP Pharmacy Practice Model Initiative

March 2012 REVIEWER, TECHNICIAN GRANTS  
ASHP Pharmacy Practice Model Initiative

#### JOURNAL REVIEWER

Journal of Managed Care and Specialty Pharmacy  
Journal of the Iowa Pharmacy Association  
Research in Social and Administrative Pharmacy  
Journal of the American Pharmacists Association (Member, Editorial Advisory Board)  
Australian Health Review

#### PROFESSIONAL ASSOCIATION LEADERSHIP

##### **North Carolina Association of Pharmacists**

January 2018 — Present COMMITTEE CHAIR  
Policy and Advocacy Committee

##### **Pharmacy Quality Alliance**

January 2018 – Present COMMITTEE MEMBER  
Research Coordinating Committee

July 2017 – Present CO-CHAIR, PHARMACY PRACTICE AND PERFORMANCE MEASUREMENT SUBCOMMITTEE  
Academic Affairs Committee

##### **American Pharmacists Association**

July 2015 – March 2016 COMMITTEE MEMBER  
House of Delegates Policy Committee

August 2013 – July 2016 NEW PRACTITIONER MENTOR  
Academy of Student Pharmacists, University of Iowa Chapter

August 2011 – August 2016 COMMITTEE MEMBER

Postgraduate Advisory Committee

**Wellmark Blue Cross and Blue Shield**

January 2015 – July 2016 COMMITTEE MEMBER  
Pharmacy Quality Advisory Council

**American Association of Colleges of Pharmacy**

October 2014 – June 2016 COMMITTEE MEMBER  
Social and Administrative Sciences Section Awards Committee

**Phi Delta Chi Professional Pharmacy Fraternity**

May 2012 – August 2016 CO-ADVISOR  
Nu Chapter, University of Iowa

August 2014 – August 2015 MIDWEST REGIONAL DIRECTOR OF ALUMNI AFFAIRS

Sept. 2011 – April 2012 COLONY COORDINATOR, LED EFFORT TO RECHARTER CHAPTER  
Nu Colony, University of Iowa

**Iowa Pharmacy Association**

July 2013 – July 2015 COMMITTEE MEMBER  
Advisory Committee on Medicaid & Pharmacy Benefit Programs

Sept. 2010 – July 2011 COMMITTEE MEMBER  
Policy Committee

PROFESSIONAL ASSOCIATION MEMBERSHIP

August 2006 – July 2012, Academy of Managed Care Pharmacy  
October 2017 – Present

September 2016 – Present North Carolina Association of Pharmacists

April 2013 – Present American Institute of the History of Pharmacy

January 2013 – Present American Association of Colleges of Pharmacy

August 2009 – Present American Pharmacists Association

August 2005 – Present Phi Delta Chi Professional Pharmacy Fraternity

August 2006 – December 2018 Iowa Pharmacy Association

August 2015 – December 2017 International Pharmaceutical Federation



