

Terri L Warholak, PhD, RPh, CPHQ, FAPhA

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CHRONOLOGY OF EDUCATION

1986-1992	Bachelor of Science Pharmacy, Purdue University West Lafayette, Indiana
1997-1999	Master of Science Pharmacy Administration Purdue University, West Lafayette, Indiana
1999-2001	Doctor of Philosophy Pharmacy Administration Purdue University, West Lafayette, Indiana

CHRONOLOGY OF EMPLOYMENT

1990	Commissioned Officer Student Training Externship Program (COSTEP) Indian Health Service (IHS) Hospital and Outpatient Clinic, Sells, AZ
1991	COSTEP Food and Drug Administration (FDA), Center for Drug Evaluation and Research, Division of Drug Information Resources, Drug Information Analysis Branch, Rockville, MD
1992-1996	Staff Pharmacist, Indian Health Service (IHS) Phoenix Indian Medical Center (PIMC), Phoenix, AZ
1997-1999	Graduate Teaching Assistant Department of Pharmacy Practice, Purdue University, West Lafayette, IN
1997-1999	Staff Pharmacist Family PharmaCare Pharmacy, West Lafayette, IN
1999-2000	Instructor of Pharmacy Practice Midwestern University, College of Pharmacy-Glendale, AZ
1999-2000	Contract Pharmacist, Emergency Department

Phoenix Indian Medical Center, Phoenix, AZ

CHRONOLOGY OF EMPLOYMENT – CONTINUED

- 2000-2003 **Technical Assistance Consultant**
Office of Pharmacy Affairs, Bureau of Primary Health Care
Health Resources and Services Administration (HRSA), Bethesda, MD
- 2001-2005 **Assistant Professor of Pharmacy Administration**
Department of Pharmacy Practice, Chicago College of Pharmacy
Midwestern University, Downers Grove, IL
- 2002-2005 **Adjunct Assistant Professor**

Department of Pharmacy Administration, College of Pharmacy University
of Illinois at Chicago, Chicago, IL
- 2005-2007 **Clinical Assistant Professor (Non-tenure track)**
Department of Pharmacy Practice and Science, College of Pharmacy
The University of Arizona, Tucson, AZ
- 2007 - 2013 **Assistant Professor Tenure Track**
Department of Pharmacy Practice and Science, College of Pharmacy (COP)
The University of Arizona, Tucson, AZ
- 2011 - present **Assistant Professor**
Division of Health Promotion Sciences, College of Public Health
Adjunct Clinical Instructor
College of Nursing
The University of Arizona, Tucson, AZ
- 2013 - 2017 **Associate Professor with Tenure**
Department of Pharmacy Practice and Science, COP
The University of Arizona, Tucson, AZ
- 2017 – present **Professor**
Department of Pharmacy Practice and Science, COP
The University of Arizona, Tucson, AZ
- 2017 – 2018 **Assistant Dean-Designate**
Academic Affairs and Assessment, COP
The University of Arizona, Tucson, AZ

2018 – present **Assistant Dean**
Academic Affairs and Assessment, COP
The University of Arizona, Tucson, AZ

RECENT CONSULTING

2014 McKesson’s Town Hall Meetings – Maintaining Access to Lives for Retail Pharmacies by Providing Quality Care

2015 Drug Safety and Risk Management (DSaRM) Consultant, Food and Drug Administration

RECENT CONSULTING – CONTINUED

2018 University of Wyoming, School of Pharmacy
Online Master of Science in Health Services Administration

2019 Survey Instrument Development for Pharmacy Quality Solutions

2019 Agency for Healthcare Research and Quality (AHRQ) R01 Review Panel

PROFESSIONAL LICENSURE AND CERTIFICATION

Registered Pharmacist, Indiana (1992 - present) and Arizona (2005 – present)
Certified Professional in Healthcare Quality® (CPHQ) (2016 – present)

HONORS AND AWARDS

1992 Awardee, Public Health Service (PHS) **Unit Commendation**

1993 Awardee, PHS **Citation**

1994 Awardee, PHS **Achievement Medal**

1995 Recommended, PHS **Exceptional Capability Promotion (ECP)**

1995 Awardee, **Committed to Caring Positive Action Award**, PIMC

1995 Awardee, **Committed to Caring Positive Action Award**, PIMC

1995 Awardee, **Committed to Caring Positive Action Award**, PIMC

1996 Awardee, **Committed to Caring Positive Action Award**, PIMC

1997, 1998 **Recipient**, Purdue University Andrews Fellowship

1998 Inductee, **Rho Chi** Professional Honor Society

- 1998, 2005 **Best Poster**, American Pharmacists Association (APhA) Annual Meeting /Academy of Pharmacy Practice and Management (APPM) Merit Award
- 1999, 2000 Recipient, American Foundation for Pharmaceutical Education (AFPE) **Fellowship**
- 2002 Inductee, **Kappa Psi**, Delta Nu Chapter
- 2010 Awardee, **Certificate of Appreciation for Support and Service to the Arizona Medical Information Exchange**, Presented by Arizona Medicaid
- 2010 Awardee, **FDA Leveraging/Collaboration Award**
- 2011 Recipient, Bootman Faculty Scholarship in Interprofessional Education
- 2012 Awardee, Theodore G. Tong **Distinguished Leadership and Service Award**
- 2014 Silver Medal Winning Abstract, *Journal of Managed Care and Specialty Pharmacy*. 2014; 20 (10a): S63-S64.
- 2015 Inductee, **APhA Fellow**
- 2015 Recipient, Bronze Medal Winning Abstract, *Journal of Managed Care and Specialty Pharmacy*. 2015; 21(4a): S91.
- 2015 **Poster Finalist**, International Society for Pharmacoeconomics and Outcomes Research (ISPOR) 5th Latin America Conference, Santiago, Chile.

HONORS AND AWARDS – CONTINUED

- 2015 Recipient, Gold Medal Winning Abstract, *Journal of Managed Care and Specialty Pharmacy*. 2015; 21 (10a): S76.
- 2016 United States Pharmacopeial (USP) **Award for Outstanding Contribution to USP Standards** as a Member of the Healthcare Quality Expert Committee
- 2016 Research in Social and Administrative Pharmacy **Top 25 Reviewers**
- 2017 Mentor, **Best Postgraduate Podium Presentation Winner**, American Pharmacists Association Annual Meeting
- 2017 American Association of Colleges of Pharmacy (AACP) Social and Administrative Sciences (SAS) Section **Best Research Publication Award**
- 2019 Recipient, Bronze Medal Winning Abstract, *Journal of Managed Care and Specialty Pharmacy*. 2019.
- 2019 Department of Pharmacy Practice and Science, University of Arizona Department Award for Excellence.

SERVICE/OUTREACH

Local/State

Arizona Health e-Connections (AzHeC)

- 2007 - 2014 Member, Electronic Prescribing Steering Committee (named “EAzRx” committee)
- 2008 - 2010 Chair, EAzRx Standards, Measures, and Outcomes Committee

Arizona Partnership for Implementing Patient Safety (APIPS)

- 2007 - 2009 Member, Medication Works Committee
- 2007 - 2010 Representative, State Board of Pharmacy Workgroup on Quality Assurance
- 2007 - 2010 Member, e-prescribing Committee
- 2008 Co-Chair, Electronic Prescribing Promotion and Implementation Committee

Arizona Pharmacy Alliance (AzPA)

- 2006 - 2008 Member, Medication Therapy Management (MTM)
- 2007 Member, State Board Quality Assurance Regulation Task Force
- 2007 - 2011, 13 Delegate, The American Pharmacists Association Annual Meeting
- 2007 - 2012 Member, Legislative Action Committee Task Force
- 2011 - 2014 Member, Pharmacy e-Rx Task Force
- 2011 - 2015 Co-chair, Continuing Education Committee

University of Arizona Medication Management Center (UAMMC)/ SinfoníaRx

- 2013 - present Member, Strategic Planning Committee
- 2013 - present Director, Health Outcomes & Pharmacoeconomics (HOPE) Center UAMMC Research Team

Steering Committees

- 2005 - 2007 Chair, Arizona Health Care Cost Containment System (AHCCCS) and the University of Arizona Steering Committee
- 2007 - 2009 Member, AHCCCS Advisory Workgroup for Medical Practice Transformation Grant
- 2007 - 2009 Member, AHCCCS and The University of Arizona Steering Committee

Steering Committees - Continued

- 2008 Chair, Outcomes Measurement Group, National Association of State Medicaid Directors (NASMD) Multistate Collaboration for Medicaid Transformation

National/International Outreach**Pharmacy Quality Alliance (PQA)**

- 2007 - 2009, 2012 Member, Communication and Education Workgroup
- 2007 - 2009 Chair, Academic Sub-Committee, Communication and Education Workgroup
- 2010 Chair, Communication and Education Workgroup
- 2011 Co-Chair, Education Workgroup
- 2011 PQA Reviewer, National Association of Chain Drug Stores Foundation Grants
- 2013 - 2017 Co-Chair, Academic Workgroup
- 2015 - 2017 Member, Stakeholder Advisory Panel, Medication Therapy Management & Hepatitis
- 2015 - 2016 Inaugural Member, PQA Member Engagement Committee
- 2016, 2017, 2018 Reviewer, Annual Meeting Poster Abstracts

2016	Member, Quality Awards Program Committee
2016 – present	Co-chair, Research Coordinating Committee
2017 – 2017	Member, Academic Workgroup
2016, 2017, 2018	Reviewer, Annual Meeting Posters
2017	Reviewer, PQA – CVS Health Foundation Scholars Program
2018	Reviewer, Healthcare Quality Innovation Challenge

American Association of Colleges of Pharmacy (AACP)

2007	Conference Participant, Improving Medication Use via Practice-based Research
2007 - 2009	Member, Task Force on National Patient Safety
2008, 2015 - 2019	Evaluator, Annual Meeting Abstracts
2008, 2009, 2012	Elected, Alternate Faculty Delegate, House of Delegates
2010	Member, Mentoring Committee
2011	Member, Advanced Pharmacy Practice Experience (APPE) Performance Domains and Abilities Task Force
2011	Leader, Annual Meeting Science of Safety Round Table
2013	Member, Consortia and Collaborations Task Force
2013	Member, Social and Administrative Sciences Section Curriculum Committee and Joint Health Information Technology (HIT) Project
2014	Participant, AACP Institute
2014	Reviewer, Express Scripts Scholarship Applications
2014, 2015	Candidate, Economic and Social Sciences (ESAS) Chair elect
2014 - 2016	Co-Chair, ESAS Section Curriculum Committee and Joint HIT Project
2015	Facilitator, AACP Annual Meeting Research Round Table on “Innovations in Interprofessional Education: Electing to Change the Profession.”
2015	Member, Ad Hoc Committee to Identify Research Priorities in the Social and Administrative Sciences Section
2015	Member, ESAS Programming Committee
2016 – 2017	Chair, ESAS Section Curriculum Committee
2018	Administrative Delegate, House of Delegates

American Pharmacists Association (APhA)

2004 - 2005	Member, Policy Review Committee
2004	- 2019 Reviewer, Annual Meeting Abstracts, Academy of Pharmacy Practice Management (APPM) and Economic and Social Sciences (ESAS) Sections
2005	Facilitator, APhA Annual Meeting Data Analysis Round Table, Shared Clinical Faculty Educational Session
2007 - 2011	Judge, Annual Meeting Poster Presentations, APPM Section
2008-2011, 2015, 2018 - 2019	Judge, Annual Meeting Poster Presentations, ESAS Section
2009	Judge, Annual Meeting Podium Presentations, ESAS Section

2010, 2014	APhA Representative, Pharmacy e-Health Information Technology Collaborative Advisory Group
2011	Member, Wiederholt Prize Screening Committee
2011	Leader, APhA Meeting Research Round Table
2013	Member, ESAS Contributed Papers Committee
2015 - 2017	Member, Patient Safety Workgroup
2015, 2019	Delegate, APhA Annual Meeting House of Delegates
2017	Member, ESAS Section Program Planning Committee for Day of Science
2019 – 2020	Chair Elect, ESAS Section
2020 – 2021	Chair, ESAS Section
2021 – 2022	Immediate Past Chair, ESAS Section
2019 – present	Member, Education Standing Committee

International Society for Quality in Healthcare (ISQua)

2014 - present	Member
2016	Chair, Improvement Science for Quality and Safety Session, Annual Meeting
2017	Chair, Improvement Science for Quality and Safety Session, Annual Meeting
2017- present	Member, Medication Safety Curriculum Workgroup

International Society for Pharmacoeconomics and Outcomes Research (ISPOR)

2013	Poster Judge, Final Round, 16 th Annual European Congress, Dublin, Ireland 2014 Poster Judge, ISPOR 19th Annual International Meeting, Montreal
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Kappa Psi Pharmaceutical Fraternity

2007 - 2009	Member, National Province Development Committee
2007	Member, National Graduate Development Committee
2018	Big, For Associate Member, Phoenix Chapter

Medicaid Managed Care Congress

2011	Moderator, Health Care Quality Panel Discussion
2011	Track Chair, Cost Containment

National Institute for Quality Improvement and Education

2012	Member, Education Workgroup
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Advisory Panels

2011	Agency for Healthcare Quality and Research (AHRQ) Faculty Advisory Panel (FAP) for Health Literacy-focused Quality Improvement in Pharmacy
2011	Reviewer, Department of Health and Human Services' Partnerships for Patients
2012	URAC Member, Community Pharmacy Advisory Group
2016 - present	Member, Food and Drug Administration (FDA) Drug Safety and Risk Management (DSaRM) Advisory Committee

United States Pharmacopeial (USP) Convention

2015 - 2018	Member, Healthcare Quality Expert Committee
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2016 - Member, Medication Error Sub-Committee
 2016 - Chair, Naloxone Sub-Committee
 2018 Vice Chair, Healthcare Quality Expert Committee
 2019 - Voting Delegate, USP 2020 Convention

International Social Pharmacy Workshop

2016 Chair, Quality & Quality Improvement Session, Annual Meeting

Reviewer for Journals 1992 to present (*denotes episodic/one-time reviews)

<i>African Journal of Pharmacy and Pharmacology</i>	<i>Health and Quality of Life Outcomes</i>
<i>American Journal of Health System Pharmacy</i>	<i>Innovations in Pharmacy</i>
<i>American Journal of Managed Care</i>	<i>International Journal of Pharmacy Practice</i>
<i>American Journal of Pharmaceutical Education</i>	<i>Integrated Pharmacy Research and Practice</i>
<i>Annals of Pharmacotherapy*</i>	<i>Journal of Biomedical Informatics</i>
<i>Applied Clinical Informatics</i>	<i>Journal of Medical Economics</i>
<i>British Journal of Clinical Pharmacology</i>	<i>Journal of Pharmacy Teaching</i>
<i>BMC Health Services Research</i>	<i>Journal of the American Medical Informatics Association</i>
<i>BMC Medical Education</i>	<i>Journal of the American Pharmacists Association</i>
<i>BMC Research Notes</i>	<i>Nurse Education Today</i>
<i>BMJ Open</i>	<i>Pharmacy</i>
<i>BMJ Quality and Safety</i>	<i>Pharmacy Practice</i>
<i>Canadian Journal of Hospital Pharmacy*</i>	<i>Pharmacoepidemiology and Drug Safety</i>
<i>Current Medical Research and Opinion*</i>	<i>PLOS One</i>
<i>Currents in Pharmacy Teaching and Learning</i>	<i>Research in Social and Administrative Pharmacy</i>
<i>Drug, Healthcare and Patient Safety</i>	<i>Safety and Quality in Health Care</i>
<i>European Journal of Internal Medicine</i>	<i>The Journal for Nurse Practitioners</i>
<i>Health Promotion International</i>	

Editorial Advisory Board 2005 through 2017 *Research in Social and Administrative Pharmacy*

College Service

College of Pharmacy, The University of Arizona

2005 - 2013 Member, Curriculum Committee
 2006 – 2009, 2018- Member, Professionalism Committee
 2006 - present Member, Graduate Committee
 2007 Delegate, AACP Annual Meeting
 2008 Member, Preventive Care and Public Health Work Group
 2008 - 2010 Member, American Council on Pharmaceutical Education Review Committee
 2011 Member, Search Committee, Pharmacy Practice Department Chair
 2011 - present Member, Research Affairs Committee
 2011 Member, Search Committee, Director of Experiential Education
 2012 Member, Phoenix Strategy Committee
 2012 - present Director, Pharmaceutical Economics, Policy and Outcomes Graduate Track
 2012 - 2016 Advisor, University of Arizona Chapter of the International Society for

Pharmacoeconomics and Outcomes Research
 2013 - 2017 Chair, Assessment Committee
 2015 Co-Chair, Outcomes Psychometric Summit sponsored by Clinical Outcomes Solutions, C-Path, and The University of Arizona College of Pharmacy

College of Pharmacy, The University of Arizona - Continued

2015 Member, Accreditation Council for Pharmacy Education (ACPE) Self-Study Committee
 2015 Member, Faculty Development Workshop Committee for “Educating Health Professionals in Interprofessional Care” (EHPIC)
 2015 - 2018 Co-trainer, ACCP Clinical Research Challenge
 2015-16 Member, Dean Search Committee
 2016 - 2017 Member, Innovation Committee
 2017 – present Member, Senior Leadership Team

Department of Pharmacy Practice and Science, The University of Arizona

2016 Member, Ad Hoc Committee to Address ACPE Recommendations
 2017 Member, Faculty Status Committee
 2017- present Member, Senior Leadership Team
 2007 - 2008 Member, Non-tenure Eligible Clinical Faculty Search Committee
 2007 - 2008 Member, Mission, Vision, and Planning Committee
 2007 - 09, 2012 -14 Member, Peer Review Committee
 2008 Member, Introductory Pharmacy Practice Experience Director Search Committee
 2008, 2012 Member, Tenure Eligible Translational-Clinical Scientist Search Committee
 2010 Member, Professionalism Committee
 2013 Chair, Tenure Eligible Outcomes Faculty Search Committee
 2015- 2018 Mentor, Residency Fellowship Preparation Program
 2018 Mentor, PQA Healthcare Quality Innovation Challenge Team

University Committees

2011 - 2014 Member, Interprofessional Education and Practice (IPEP) Longitudinal Curriculum Working Group
 2016 - 2019 Mentor, Clarion Local Interprofessional Case Competition
 2017 - Member, Strategic Planning Committee for the UA Health Sciences
 2018 - Member, UA Health Sciences Strategic Planning Advisory Committee
 2019 - Member, College Academic Administrators Council
 2019 - Member, Developing a Power House of Data for the University of Arizona
 2019 - Member, College Academic Administrators Council (CAAC)
 2019 - Faculty Associate, Higher Learning Commission Re-Accreditation Committee

PUBLICATIONS/CREATIVE ACTIVITY (PUBLISHED OR ACCEPTED) ♦ Denotes married name

Scholarly Books

1. **Warholak TL**, Nau D (Eds). *Quality & Safety in Pharmacy Practice*. McGraw Hill Companies, Inc. 2010.

Chapters in Scholarly Books and Monographs

Scholarly Book Chapter – Original Research Not Presented Elsewhere

1. **Warholak TL**, Rupp MT. The catcher in the rye: Learning of pharmacists' interventions on electronic prescriptions. pp 67-74. In: *Informatics Pearls*. American Society of Health-System Pharmacists. 2009.

Textbook Chapters – Reviews of the State of the Field

*Denotes work from a dissertation or thesis

1. **Jackson TL**.[♦] QA for pharmacy students. In: *Introductory Pharmacy Practice Experience Practice Manual Part 1: Community* (PPRA 0341). Midwestern University Chicago College of Pharmacy. 2002.
2. **Jackson TL**.[♦] Ensuring quality in pharmacy operations. pp 125-149. In: *Pharmacy Management*. Desselle S and Zgarrick D (Eds). McGraw Hill Companies, Inc. 2005.
3. Gettig J, **Warholak Jackson TL**.[♦] Clinical decision-making: Application to the practice setting. pp 155-170. In: *Gibaldi's Drug Delivery Systems in Pharmaceutical Care*. Desai A, Lee M (Eds). American Society of Health-System Pharmacists, Inc. 2007.
4. **Warholak TL**. Ensuring quality in pharmacy operations. pp 97-121. In: *Pharmacy Management*. Desselle S and Zgarrick D (Eds). 2nd Edition. McGraw Hill Companies, Inc. 2008. 5. **Warholak TL**, Scott V, Legner D. What is quality improvement? In: Warholak TL, Nau D (Eds). *Pharmacy Quality: Improving the Safety and Effectiveness of Pharmacy Services*. McGraw Hill Companies, Inc. 2010. 6. **Warholak TL**, Hincapie AL. Identifying causes of quality problems. In: Warholak TL, Nau D (Eds). *Pharmacy Quality: Improving the Safety and Effectiveness of Pharmacy Services*. McGraw Hill Companies, Inc. 2010. 7. **Warholak TL**, Song MC. Implementing your own pharmacy QI program. In: Warholak TL, Nau D (Eds). *Pharmacy Quality: Improving the Safety and Effectiveness of Pharmacy Services*. McGraw Hill Companies, Inc. 2010.
8. **Warholak TL**. Ensuring quality in pharmacy operations. pp 97-121. In: *Pharmacy Management*. Desselle S and Zgarrick D (Eds). 3rd Edition. McGraw Hill Companies, Inc. 2011.
9. Hincapie AL, Nau D, MacKinnon N, **Warholak TL**. Assessing pharmacy-related quality of care. pp 26852693. In: *Remington: The Science and Practice of Pharmacy*. Pharmaceutical Press. 2012.
10. **Warholak TL**, Nelson M, Campbell P. Ensuring quality in pharmacy operations. pp 115-139. In: *Pharmacy Management*. Zgarrick D, Moczygemba LR, Alston GL, Desselle S (Eds). 4th Edition. McGraw Hill Companies, Inc. 2016.
11. **Warholak TL**, Nelson M, Campbell P. Ensuring quality in pharmacy operations. In: *Pharmacy Management*. Zgarrick D, Moczygemba LR, Alston GL, Desselle S (Eds). 5th Edition. McGraw Hill Companies, Inc. 2019.

Refereed Journal Articles Published

*Denotes work from a dissertation or thesis

1. ***Warholak-Juarez T**,♦ Rupp MT, Salazar TA, Foster S. The effect of patient information on pharmacists' drug use review decisions. *Journal of the American Pharmacists Association*. 2000; 40:500-8. PMID: 10932459.
2. Millionig MK, **Jackson TL**,♦ Ellis WM. Improving medication use through pharmacists' access to patientspecific health care information. *Journal of the American Pharmacists Association*. 2002; 42: 68-43. PMID: 12150362. 3. ***Jackson TL**,♦ Rupp MT, Newton GD. Evaluation of a clinical decision aid and training program on the quality of pharmacists' prospective drug utilization review decisions. *American Journal of Pharmaceutical Education*. 2002; 66: 260-267.
4. **Jackson TL**.♦ Application of quality assurance principles: Teaching students medication error reduction skills in a "real world" environment. *American Journal of Pharmaceutical Education*. 2004; 68(1) Article 17.

Refereed Journal Articles Published - Continued

5. **Jackson TL**,♦ McCord AD, Dahdal WY, Zgarrick DP, Brock KA. The use of a scholarship committee to foster scholarly growth of pharmacy practice faculty. *American Journal of Pharmaceutical Education*. 2005; 69(5): Article 1519.
6. Hassenplug K, Burkiewicz J, **Jackson T**,♦ Peppers L. Educating patients in self-management of epistaxis in an anticoagulation clinic. *American Journal of Health-System Pharmacy*. 2006; 63(May 15): 909-911. PMID: 16675647.
7. **Jackson TL**,♦ Stensland SL, Todd TJ, Lullo A, Mazan A, Masood AM. Evaluation of a pediatric asthma awareness program. *Journal of Asthma*. 2006; 43: 311-317. PMID: 16809246
8. Bruce S, **Jackson TL**.♦ Collaborative research: Benefits for all involved. *Journal of the American Pharmacists Association*. 2006; 46(6): 663-664. PMID: 17176680.
9. Izzo Handley L, **Warholak Jackson TL**,♦ Jackson TR. An evaluation of the validity of inferences made from three diabetes assessment instruments: A Rasch analysis. *Research in Social and Administrative Pharmacy*. 2008; 4: 67-81. PMID: 18342824.
10. Rupp MT, **Warholak TL**. Evaluation of e-prescribing in chain community pharmacy: Best-practice recommendations. *Journal of the American Pharmacists Association*. 2008; 48: 364-370. PMID: 18595821.
11. Langridge SM, Stensland SL, **Warholak TL**, Mattingly L. Impact of the Career Explorers Program on high school students' perceptions of the pharmacy profession. *American Journal of Pharmaceutical Education*. 2008; 72(3) Article 68. PMID: 18698385. PMCID: PMC2508715.
12. **Warholak TL**, Rupp MT. Analysis of community chain pharmacists' interventions on electronic prescriptions. *Journal of the American Pharmacists Association*. 2009. 49: 59-64. PMID: 19196598.
13. Smith K, **Warholak TL**, Armstrong E, Leib M, Rehfeld R, Malone D. Evaluation of risk factors and health outcomes among persons with asthma. *Journal of Asthma*. 2009; 46(3): 234-237. PMID: 19373629.
14. Griffin BL, Burkiewicz JS, Peppers LR, **Warholak TL**. International Normalized Ratio values in group versus individual appointments in a pharmacist-managed anticoagulation clinic. *American Journal of HealthSystem Pharmacy*. 2009; 66:1218-23. PMID: 19535661.
15. **Warholak TL**. Preceptor perceptions of pharmacy student team quality assurance projects. *Journal American Journal of Pharmaceutical Education*. 2009. 73(3) Article 47. PMID: 19564990. PMCID: PMC2703284.
16. Shah A, Boesen M, Harris-Salamone K, **Warholak TL**. Adding diagnosis codes to prescriptions: Lessons learned from a quality improvement project. *Journal of Managed Care Pharmacy*. 2009. 15(6): 508-510. PMID: 19610684. 17. **Warholak TL**, McCulloch M, Baumgart A, Smith M, Fink W, Fritz, W. An exploratory comparison of medication lists at hospital admission with administrative database records. *Journal of Managed Care Pharmacy*. 2009. 15(9): 751-758. PMID: 19954266.
18. Patanwala AE, **Warholak TL**, Sanders AB, Erstad BL. A prospective observational study of medication errors in a tertiary care academic emergency department. *Annals of Emergency Medicine*. 2010 June; 55(6): 522-526. PMID: 20074833.
19. **Warholak TL**, Menke M, Hines LE, Reel S, Murphy J, Sherril D, Malone DC. A drug-drug knowledge assessment instrument for health professional students: A Rasch analysis of validity evidence. *Research in Social and Administrative Pharmacy*. 2010. April [Epub]. 2011; 7(1): 16-26. PMID: 21397878.

Refereed Journal Articles Published - Continued

20. **Warholak TL**, West D, Holdford D. The Educating Pharmacy Students and Pharmacists to Improve Quality program: tool for pharmacy practice. *Journal of the American Pharmacists Association*. 2010. 50: 534-538. PMID: 20621874.
21. **Warholak TL**, Gilligan AM, Hurwitz JT, Slack MK, Spivey CA, Chisholm-Burns MA. Assessing outcomes for a methods television (MTV) video project in a research methodology class. *Currents in Pharmacy Teaching and Learning*. 2010; 2: 211–217.
22. Hincapie AL, **Warholak TL**, Murcko A, Slack M, Malone DA. Clinicians' opinions of a health information exchange. *Journal of the American Medical Informatics Association*. 2011; 18:60-65. PMID: 21106994. PMCID: PMC3005874.
23. **Warholak TL**, Murcko A, McKee M, Urbine T. Results of the Arizona Medicaid health information technology partner pharmacy focus groups. *Research in Social and Administrative Pharmacy*. 2011; 7: 438-443. PMID: 21272529.
24. Hines LE, Saverno KR, **Warholak TL**, Grizzle AJ, Murphy JE, Taylor A, Malone DC. Pharmacists' awareness of clinical decision support in pharmacy information systems: an exploratory evaluation. *Research in Social and Administrative Pharmacy*. 2011; 7(4): 359-368. PMID: 21530417.
25. **Warholak TL**, Roush R, Queiruga C, Phan H. Medication error-identification rates of pharmacy, medical, and nursing students: A simulation. *American Journal of Pharmaceutical Education*. 2011; 75(2): Article 24. PMID: 21519414. PMCID: PMC3073098.
26. **Warholak TL**, Hines LE, Song M, Gessay A, Menke JM, Reel S, Sherril D, Malone DC. Medical, nursing, and pharmacy students' ability to recognize potential drug-drug interactions: A comparison of healthcare professional students. *Journal of the American Association of Nurse Practitioners*. 2011; 23: 216–221. PMID: 21489016.
27. Saverno K, Hines LE, **Warholak TL**, Grizzle A, Babits L, Clark C, Taylor A, Malone DC. Ability of Clinical Decision Support Systems to Alert Pharmacists of Clinically Important Drug-Drug Interactions. *Journal of the American Medical Informatics Association*. 2011;18: 32-37. PMID: 21131607. PMCID: PMC3005877. 28. Holdford DA, **Warholak TL**, Strum-West D, Bentley JP, Murphy JE, Malone DC, Marchand H. Teaching the science of safety in US colleges and schools of pharmacy. *American Journal of Pharmaceutical Education*. 2011; 75(4) Article 77. PMID: 21769153. PMCID: PMC3138345.
29. **Warholak TL**, Hines LE, Saverno KR, Grizzle AJ, Malone DC. An assessment tool for pharmacy drugdrug interaction software. *Journal of the American Pharmacists Association*. 2011; 51: 418-424. PMID: 21555296. 30. Gilligan A, **Warholak TL**, Murphy J, Hines LE, Malone DC. Impact of an educational session and presentations of cases by pharmacy students: Recognition of drug-drug interaction pairs. *American Journal of Pharmaceutical Education*. 2011; 75(6) Article 110.
31. Strum-West D, Basak R, Bentley JP, Holdford DA, **Warholak TL**, Malone DC, Murphy JE. The science of safety curriculum in US colleges and schools of pharmacy. *American Journal of Pharmaceutical Education*. 2011; 75(7) Article 141. PMID: 21969727. PMCID: PMC3175655.
32. **Warholak TL**, Holdford DA, West D, DeBake DL, Bentley J, Malone DC, Murphy J. Perspectives on educating pharmacy students about the science of safety. *American Journal of Pharmaceutical Education*. 2011; 75(7) Article 142. PMID: 21969728. PMCID: PMC3175660.

Refereed Journal Articles Published - Continued

33. Hines LE, **Warholak TL**, Saverno K, Boesen M, Sisk M, Malone DC. Drug-drug interaction software quality assurance: Lessons learned. *Journal of the American Pharmacists Association*. 2011; 51(5): 570, 527. PMID: 21896453.
34. **Warholak TL**, Noureldin M, West D, Holdford D. Faculty perceptions of the Educating Pharmacy Students to Improve Quality (EPIQ) program. *American Journal of Pharmaceutical Education*. 2011; 75 (8) Article 163. PMID: 22102753. PMCID: PMC3220344.
35. Bradford D, Watmore P, Hammer D, **Warholak TL**. The relationship between self-reported professionalism and student involvement in pharmacy organizations at one college of pharmacy: An exploratory analysis. *Currents in Pharmacy Teaching and Learning*. 2011; 3: 283-289.
36. Hincapie A-L, **Warholak, TL**. The impact of health information exchange on health outcomes: A systematic review. *Applied Clinical Informatics*. 2011; 2: 499–507. PMID: 23616891. PMCID: PMC3612997.
37. Harrington A, **Warholak TL**, Hines L, Taylor A, Sherrill D, Malone D. Healthcare professional students' knowledge of drug-drug interactions: A pretest posttest. *American Journal of Pharmaceutical Education*. 2011; 75(10): Article 199. PMID: 22345718. PMCID: PMC3279016
38. Tang D, **Warholak TL**, Slack M, Malone DC. Science of safety topic coverage in experiential education: US and Taiwan pharmacy schools. *American Journal of Pharmaceutical Education*. 2011; 75(10): Article 202. PMID: 22345721. PMCID: PMC3279028.
39. Chinthammit C, Armstrong E, **Warholak TL**. A cost-effectiveness evaluation of hospital discharge counseling by pharmacists. *Journal of Pharmacy Practice*. 2012; 25(2): 201 – 208. PMID: 21987529. 40. Hincapie A-L, **Warholak TL**, Hines LE, Taylor A, Malone DC. Impact of a drug-drug interaction educational session on pharmacy and medical student's knowledge: A one-year follow-up. *Research in Social and Administrative Pharmacy*. 2012; 8(5): 472-477. PMID: 22222339.
41. Gilligan AM, Miller K, Mohny A, Montenegro C, Schwarz J, **Warholak TL**. Analysis of pharmacists' interventions on electronic versus traditional prescriptions in 2 community pharmacies. *Research in Social and Administrative Pharmacy*. 2012; 8(6): 523-532. PMID: 22264963.
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24. Babits L, Clark C, **Warholak TL**, Hines LE, Menke JM, Malone DC. Evaluation of pharmacy software programs to detect clinically important drug-drug interactions. *Journal of the American Pharmacists Association*. 2009; 49(2): 294.
25. Roush R, Queiruga C, **Warholak TL**. Medication error identification rates of pharmacy, medical, and nursing students: A simulation. *Journal of the American Pharmacists Association*. 2009;49(2): 296.
26. Bradford D, Watmore P, Hammer D, **Warholak TL**. The relationship between the behavioral professionalism assessment and student involvement in pharmacy organizations. *Journal of the American Pharmacists Association*. 2009; 49(2): 321.
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28. Aguilar CP, Chau C, Giridharin N, Huh Y, Cooley J, **Warholak TL**. Pharmacy staff opinions of proposed workflow changes intended to decrease errors in an outpatient hospital pharmacy. *Journal of the American Pharmacists Association*. 2010; 50(2): 313.
29. Miller K, Mohney A, Montenegro C, Schwartz J, **Warholak TL**. Analysis of community pharmacists' interventions on electronic versus traditional prescriptions in two pharmacies. *Journal of the American Pharmacists Association*. 2010; 50(2): 295.

Refereed Abstracts – Continued

30. Norman S, Pham NB, Kurniawan G, Scovis N, Kerschen A, Boesen K, **Warholak TL**. Analysis of algorithms that generate clinical alerts at a Medication Management Center (MMC): A quality improvement project. *Journal of the American Pharmacists Association*. 2011; 51(2): 246-247.
31. Sands S, Nielsen J, Hurwitz J, **Warholak TL**. Consumer knowledge of acetaminophen use. *Journal of the American Pharmacists Association*. 2011; 51(2): 285-286.
32. Ortega A, Torner J, Scovis N, **Warholak TL**. Evaluation of algorithms producing alerts in asthma at a medication management center: A quality improvement project. *Journal of the American Pharmacists Association*. 2011; 51(2): 250.
33. Hincapie A-L, **Warholak TL**, Hines LE, Sherril D, Malone DC. Impact of a drug-drug interaction educational session on pharmacy and medical student's knowledge: A three-year evaluation. *Journal of the American Pharmacists Association*. 2011; 51(2): 261.
34. Hurwitz J, **Warholak TL**, Sands S, Nielsen J. Consumer Knowledge of Acetaminophen Safety, Dosing, and Identification. *Journal of the American Pharmacists Association*. 2012; 52(2): 234.
35. **Warholak TL**, Rupp MT, Leal S, Kurniawan G, Patel N. Effect of providing pharmacists with patient diagnosis on electronic prescription orders: A pilot study. *Journal of the American Pharmacists Association*. 2012; 52(2): 234-235.
36. Hincapie AL, Boesen K, **Warholak TL**. Understanding reasons for non-adherence to medications in a Medicare part D beneficiary sample: A pilot study. *Journal of Managed Care Pharmacy*. 2013; 19(8): 689.
37. Augustine J, **Warholak TL**, MacKinnon. Attitudes of Arizona community pharmacists on the monitoring and tracking of medication errors and near-misses. *Journal of the American Pharmacists Association*. 2014; (54)2. Abstract 317.
38. Chinthammit C, Boesen K, Martin R, **Warholak TL**. The Cost-Effectiveness of Non-Comprehensive Medication Review Compared with Comprehensive Medication Review on Making Successful Medication Changes. *Journal of Managed Care and Specialty Pharmacy*. 2014;20 (10a): S63-S64.
39. Augustine J, Pelger M, Boesen K, **Warholak T**. Smoking quit rates at a pharmacist-provided pharmacotherapy and telephone counseling quit services. *Journal of the American Pharmacists Association*. 2015; 55: e181-e182. doi: 10.1331.
40. Mutebi A, Slack M, **Warholak TL**, Hudgens S, Coons SJ. Interpretation of verbal descriptors for response options commonly used in verbal rating scales in patient-reported outcome instruments. *Quality of Life Research*. 2015. 24: 49.

41. Alfayez O, Leal S, **Warholak T**. Documenting Meaningful Use Stage 1 and 2: A Comparison of Clinical Pharmacists to Other Healthcare Providers. *Journal of the American Pharmacists Association*. 2015; 55: e258. doi: 10.1331.
42. Harrington A, Chinthammit C, Martin R, Boesen K, **Warholak TL**. Retrospective Review of Exceptions to Recommending Angiotensin-Converting Enzyme inhibitors (ACEI) or Angiotensin II Receptor Blockers (ARBs) Therapy in a Diabetic Medicare Population. *Journal of Managed Care and Specialty Pharmacy*. 2015; 21 (4a): S23-S24.
43. Taylor A, Martin R, Boesen K, **Warholak TL**. Patients' Perceptions of and Beliefs About Medication Therapy Management Services. *Journal of Managed Care and Specialty Pharmacy*. 2015; 21(4a): S91.
44. Taylor A, Bingham J, Dickman K, **Warholak T**. Virtual Telepharmacist-Delivered Chronic Care Management Services: A Pilot Program Evaluation. *Journal of Managed Care and Specialty Pharmacy*. 2015; 21(10a): S76.

Refereed Abstracts – Continued

45. McManus K, Metrejean C, Schweitzer K, Cooley J, **Warholak T**. Teaching About Quality and Safety at Schools/Colleges of Pharmacy in the United States: Exemplars. *Research in Social and Administrative Pharmacy*. 2017; 13: e22.
46. Silva Almodovar A, Coleman A, Axon DR, **Warholak T**, Nahata MC. The relationship of comprehensive medication review (CMR) completion rates with Medicare Part C and Part D performance measures. *Pharmacotherapy*. 2017;37(6):e46.
47. Axon DR, Augustine J, **Warholak T**, Lee J. A rasch analysis of student pharmacists' attitudes towards herbal medications. *Value In Health*.2018;21(Supplement1):S117. DOI: <https://doi.org/10.1016/j.jval.2018.04.789>
48. Axon DR, Bhattacharjee S, **Warholak T**, Slack M. Self-reported pain outcomes of pharmacists with chronic pain. *Value In Health*. 2018;21(Supplement1):S264. DOI: <https://doi.org/10.1016/j.jval.2018.04.1763>
49. Axon DR, Bhattacharjee S, **Warholak T**, Slack M. Types and number of strategies that pharmacists use to manage chronic pain. *Value In Health*. 2018;21(Supplement 1): S264. DOI:<https://doi.org/10.1016/j.jval.2018.04.1764>
50. Campbell P, Axon D, Mollon L, Taylor A, Pickering M, Black H, Warholak T, Chinthammit C.A retrospective database analysis evaluating the association between Pharmacy Quality Alliance antidiabetic medication measure adherence, healthcare use, and expenditures among commercially insured patients. *Supplement to Journal of Managed Care & Specialty Pharmacy*.2019;25(3a):S38-39.
51. Axon D, Chinthammit C, Taylor A, Pickering M, Black H, Warholak T, Campbell P. A retrospective database analysis evaluating the relationship between Pharmacy Quality Alliance-defined adherence and healthcare costs and utilization for commercially insured patients on renin-angiotensin system antagonists. *Supplement to Journal of Managed Care & Specialty Pharmacy*.2019;25(3a):S68.
52. Chinthammit C, Axon D, Anderson S, Taylor A, Pickering M, Black H, Warholak T, Campbell P. A retrospective database analysis evaluating the relationship between Pharmacy Quality Alliance cholesterol medication adherence measure performance and economic outcomes for commercially insured patients. *Supplement to Journal of Managed Care & Specialty Pharmacy*.2019;25(3a):S70.

Refereed Poster Presentations

1. Todd T, Stensland S, Lullo A, Garzanelli T, **Jackson TL**,♦ Masood A. Development and analysis of a pediatric asthma awareness program. Presented at the National Conference on Asthma. Washington, DC; June 2003.
2. Baumgart A, McCulloch M, Rasmussen M, Fink W, **Warholak TL**. A comparison of two methods of medication reconciliation. Presented at the American Society of Health-System Pharmacists (ASHP) Midyear Meeting. Las Vegas, NV; December 3, 2007.
3. Babits L, Clark C, **Warholak TL**, Patanwala A, Fritz W. Physicians', nurses', and other staffs' opinions of the potential impact of an emergency department clinical staff pharmacist at a tertiary care academic medical center. Presented at the ASHP Midyear Meeting. Orlando, FL.; December 8, 2008.
4. Song MC, Gessay A, **Warholak TL**, Hines LE, Menke JM, Malone DC. Medical, nursing, and pharmacy students' ability to recognize potential drug-drug interactions. Presented at the ASHP Midyear Meeting. Orlando, FL.; December 8, 2008.
5. Legner D, **Warholak TL**. Evaluation of usability of e-prescribing software. Presented at the ASHP Midyear Meeting. Orlando, FL.; December 8, 2008.
6. Patel N, Lee A, **Warholak TL**, Leal S. A consumer assessment of pharmaceutical care services in a diabetes ambulatory clinic. Presented at the ASHP Midyear Meeting. Orlando, FL.; December 8, 2008.
7. Hincapie AL, **Warholak TL**. The Arizona Medical Information Exchange (AMIE) proof of concept outcomes evaluation. Presented at the American Medical Informatics Association (AMIA) Spring Congress. Orlando, FL; May 28-30, 2009.
8. Reel S, Hines LM, **Warholak TL**, Malone DC. Reducing medication errors: A focus on drug-drug interactions. Presented at the 24th National Conference of The American Academy of Nurse Practitioners (AANP). Nashville, TN. June 17 - 21, 2009.
9. Patanwala A, **Warholak TL**, Sanders A, Erstad B. A prospective observational study of medication errors in a tertiary care academic emergency department. Presented at the American college of Emergency Physicians (ACEP) Research Forum. Boston, MA; October 2, 2009.
10. Saverno K, **Warholak TL**, Rupp MT, Rutala M. Adoption of electronic prescribing and electronic health records among Arizona's Federally Qualified Community Health Centers. Presented at AMIA Spring Congress Phoenix, Arizona. May 25-27, 2010.
11. Harrington A, **Warholak TL**, Hines LE, Taylor A, Malone DC. Healthcare professional students' knowledge of drug-drug interactions: a pretest posttest study at one university. Presented at the International Society for Pharmacoeconomics and Outcomes Research International Meeting (ISPOR). Atlanta, GA. May 15-19, 2010.
12. Smith K, Brown S, Malone D, **Warholak TL**. Association of warfarin, NSAIDS, and with respect to gastrointestinal bleeding. Presented at the ISPOR. Atlanta, GA. May 15-19, 2010.
13. **Warholak TL**, Saverno KR, Hines LE, Grizzle AJ, Malone DC. Ability of clinical decision support systems to alert pharmacists of clinically important drug-drug interactions. Presented at the AMIA Spring Congress Phoenix, Arizona. May 25-27, 2010.

14. Gilligan AM, Miller K, Mohney A, Montenegro C, Schwarz J, **Warholak TL**. Analysis of pharmacists' interventions on electronic versus traditional prescriptions in two community pharmacies. Presented at the ISPOR 16th Annual Meeting. Baltimore, MD. May 21-25, 2011.
15. **Warholak TL**, Murcko A, Smith K, Hincapie A, Davis EE, Piveratto H. The impact of a medication health information exchange on mental health care in a correctional facility. Presented at the 2011 Correctional Mental Health Seminar. Las Vegas, NV. July 10-11, 2011.

Refereed Poster Presentations - Continued

16. Tang D, **Warholak TL**, Slack MK, Malone DC. A survey measuring science of safety topic coverage in experiential education: US and Taiwan pharmacy schools. Presented at the 2011 American Association of Colleges of Pharmacy (AACP) Annual Meeting. San Antonio, TX. July 10-11.
17. Chinthammit C, Armstrong E, **Warholak TL**. A cost-effectiveness evaluation of hospital discharge counseling by pharmacists. Presented at the 1st International Conference on Patient Safety. Ubon Ratchathani University, Thailand. July 20 - 21, 2011.
18. Hincapie AL, Snead R, Modisett T, **Warholak TL**. Pharmacy and prescriber e-prescribing experience reporting (PEER). Presented at the AMIA Annual Symposium. Washington, DC. October 22-26, 2011.
19. Schloss E, **Warholak TL**, Michaels C, Franke H. Developing an online, four-course interprofessional health care quality and safety curriculum. Presented at Collaborating Across Borders III (CAB III) Interprofessional Collaboration. Tucson, Arizona. November 19-21, 2011.
20. Young G, Candlish K, **Warholak TL**. Medication reconciliation at an academic medical center: Perceptions of medical professionals. Presented at the ASHP Midyear Meeting. New Orleans, LA; December 4, 2011.
21. LaBuda JM, Wojcik PT, **Warholak TL**, Wondrak GT. Developing the pharmacist's role in optimizing sun protection and sunscreen drug use by the general public: A pilot survey assessing drug knowledge and perceived user benefit of sunscreens among doctor of pharmacy students. Presented at the ASHP Midyear Meeting. New Orleans, LA; December 4, 2011.
22. Saverno KR, Malone DC, **Warholak TL**, Armstrong E. Slack M. Impact of Medicare Part D on pharmaceutical and medical utilization in Arizona's dual eligible population. Presented at the ISPOR 17th Annual International Meeting. Washington, DC. June 2-6, 2012.
23. Malone DC, Hines LE, Brown S, **Warholak TL**. The incidence of potential drug-drug interactions originating from the same prescriber. Presented at the ISPOR 17th Annual International Meeting. Washington, DC. June 2-6, 2012.
24. Davis E, Norman S, Whittington Goldstone L, **Warholak TL**. The impact of a pharmacist-led education group on psychiatric patient reported medication attitudes and knowledge. Presented at the College of Psychiatric and Neurologic Pharmacists Annual Meeting. Tampa, FL. April 29, 2012.
25. Gilligan AM, Myers J, Nash J, Lavigne JE, Moczygemba L, Plake KS, Quinones-Boex AC, Holdford DA, West-Strum DS, **Warholak TL**. Evaluating the educating pharmacy students to improve quality (EPIQ) program at seven colleges of pharmacy. Presented at the AACP Annual Meeting, Pharmacy Education 2012, Kissimmee, FL. July 15-16, 2012.
26. Tang DH, Rutala M, Ihde C, Shank T, Bills A, Mollon L, **Warholak TL**. Assessing healthcare provider satisfaction of services provided by the Arizona Regional Extension Center (REC): A cross-sectional survey. Presented at the 34th Annual Meeting of the Society for Medical Decision Making, Phoenix, AZ. October 17 - 20, 2012.
27. Campbell M, Mosleem M, Spriggle P, **Warholak TL**. Identifying drug therapy problems through patient consultation at community pharmacies. Presented at the ASHP Midyear Meeting. Las Vegas, NV; December 4, 2012.

Refereed Poster Presentations - Continued

28. Bennett A, Schuman R, Smith N, Hincapie, Villa L, **Warholak TL**. Demographics and diagnoses of patients with 30-day hospital re-admissions. Presented at the ASHP Midyear Meeting. Las Vegas, NV; December 4, 2012.
29. Davis E, Norman S, Villa L, **Warholak TL**, Goldstone LW. A Rasch Analysis of a Questionnaire Evaluating Patient-Reported Medication Attitudes and Knowledge in an Acute Inpatient Psychiatric Setting. Presented at the College of Psychiatric & Neurologic Pharmacists Annual Meeting, Colorado Springs, CO. April 22, 2013, 2013.
30. Tang DH, **Warholak TL**. Short-term Relationships Between Electronic Health Records System Integrity in Emergency Departments and Health Care Resource Utilization Among Patients with Mental Disorders. Presented at the ISPOR 18th Annual International Meeting. New Orleans, LA. May 21, 2013.
31. Tang DH, **Warholak TL**. Short-term Relationships Between Electronic Health Records System Integrity in Emergency Departments and Health Care Resource Utilization. Presented at the ISPOR 18th Annual International Meeting. New Orleans, LA. May 21, 2013.
32. Tang DH, Rutala M, Ihde C, Shank T, Bills A, **Warholak TL**. Physician and Pharmacist Perceptions About Use of Comparative Effectiveness Research in Health Care Decision-Making. Presented at the AACP Annual Meeting, Pharmacy Education. Chicago, IL. July 13-17, 2013.
33. Augustine J, Slack M, **Warholak TL**. Writing Multiple Choice Exam Items for Testing Concept Learning. Presented at the AACP Annual Meeting, Pharmacy Education. Chicago, IL. July 13-17, 2013.
34. Weddle P, Phan H, **Warholak TL**. Pediatric education diagnosis survey (PEDS): analyzing pediatric education within PharmD programs in the United States. Presented at the 2013 American College of Clinical Pharmacy Annual Meeting. Albuquerque, NM. September 6, 2013.
35. DeGrote S, Cradick M, Marshall S, **Warholak TL**. Comparative effectiveness of buprenorphine/naloxone and methadone in medically assisted treatment (MAT) for opioid dependence in a parolee population: Work in progress. Presented at the ASHP Midyear Clinical Meeting. Orlando, FL. December 9, 2013.
36. Gerboth K, Campbell P, **Warholak TL**. Arizona community pharmacy quality assurance legislation: Evaluation of attitude and knowledge change after attending a pharmacy continuing education program. Presented at the ASHP Midyear Clinical Meeting. Orlando, FL. December 9, 2013.
37. Okerblom D, Tedesco M, Ward K, **Warholak TL**, Goldstone L. A Comparative Study of Psychiatric Patients' Self-reported Medication Beliefs and Knowledge With or Without Participation in a Pharmacist-led Medication Education Group. Presented at the 15th Annual Meeting of the College of Psychiatric and Neurologic Pharmacists Annual Meeting. Phoenix, AZ. April 27, 2014.
38. Harrington A, Calabro K, Boesen K, **Warholak TL**. Development and Evaluation of a Post-Discharge Medication Reconciliation Program. Presented at the ISPOR 19th Annual International Meeting. Montreal, QC, Canada. June 2, 2014.
39. Crescioni M, **Warholak TL**, Twelker JD, Miller JM, Harvey EM. Rasch Analysis of the Convergence Insufficiency Symptom Survey (CISS) Used to Assess symptom Reduction with Spectacle Correction Among Students. Presented at the Association for Research in Vision and Ophthalmology. Orlando, FL. May 4-8, 2014.

Refereed Poster Presentations - Continued

40. Augustine J, Slack M, **Warholak TL**. Students' understanding of research methods topics: A Rasch analysis. Presented at the 2014 AACP Annual Meeting, Pharmacy Education. Grapevine, TX. May 30, 2014.
41. Jennings N, Mollon L, Slack M, **Warholak TL**. Measurement Characteristics of a Concept Classification Exam Using Multiple Case Examples: A Rasch Analysis. Presented at the AACP Annual Meeting, Pharmacy Education. Grapevine, TX. May 30, 2014.
42. DiVall MV, Danielson J, Albano CB, Baugh GM, Besinque KH, Henriksen BS, Hincapie A, Rice LE, Sturpe DA, **Warholak TL**. Improving collaboration among AACP members: Recommendations from the Council of Faculties Consortia and Collaborations Taskforce. Presented at the 2014 AACP Annual Meeting, Pharmacy Education. Grapevine, TX. May 30, 2014.
43. Peragine J, Zale A, **Warholak T**. Assessing Nutrition Knowledge in Future Healthcare Professionals. Presented at the 2014 AACP Annual Meeting, Pharmacy Education. Grapevine, TX. May 30, 2014.
44. Hincapie AL, MacKinnon N, **Warholak TL**. Relationship Between Patients' Perceptions of Care Quality and Patient Safety in 11 Countries: A Secondary Data Analysis. Presented at ISQua's 31st International Conference. Rio de Janeiro, Brazil. October 6, 2014.
45. Walsh A, Montoya A, Cooley J, **Warholak TL**. Quality improvement education in colleges of pharmacy: a qualitative and quantitative analysis. Presented at the ASHP Midyear Clinical Meeting. San Diego, CA. December 6, 2014.
46. German A, Johnson L, Ybarra G, **Warholak TL**. Assessment of pharmacists' self-reported preparedness to provide pharmacotherapy services to individuals with psychiatric disorders. Presented at the ASHP Midyear Clinical Meeting. San Diego, CA. December 6, 2014.
47. Crescioni M, **Warholak T**, Campus I, Green T, Twelker JD, Harvey E, Miller J. Rasch analysis of self-reported spectacle compliance among school aged children and parents. Presented at the Association for Research in Vision and Ophthalmology. Denver, CO. May 3, 2015.
48. Ward K, Tedesco M, Okerblom D, Goldstone L, **Warholak T**. The University of Arizona College of Pharmacy. 2. The University of Arizona Medical Center- South Campus (UAMC-SC). A comparative study of psychiatric patients' self-reported medication knowledge and attitudes with or without participation in a pharmacist-led education group. Presented at the College of Psychiatric & Neurologic Pharmacists Annual Meeting. Tampa, FL. April 19, 2015.
49. Hincapie A, **Warholak T**. Measuring Patients' Perceptions of Coordination of Care: A Rasch Analysis of Multinational Survey Data. Presented at the Academy Health Annual Research Meeting. Minneapolis, MN. June 14, 2015.
50. Taylor A, Bingham J, Johnson K, Dickman D, **Warholak T**. Virtual Telepharmacist-Delivered Chronic Care Management Services: A Pilot Program Evaluation. *Journal of Managed Care and Specialty Pharmacy*. Supplement October 2015; 21(10a): S76. Presented at the Academy of Managed Care Pharmacy (AMCP) Nexus, Orlando, FL. October 26, 2015.
51. Jastrzab RA, Johnson M, Hall-Lipsy E, Martin R, Taylor A, **Warholak TL**. Incorporating promotoras into Medication Therapy Management (MTM) services delivered in a rural Arizona border community.

Refereed Poster Presentations - Continued

- Community Lay Health Worker Section. Presented at the American Public Health Association Annual Meeting and Exposition. Chicago, IL. Oct 31, 2015.
52. Jastrzab RA, Johnson M, Hall-Lipsy E, Martin R, Taylor A, **Warholak TL**. Academic-community partnership to implement medication therapy management (MTM) services in rural Arizona communities improves safety for patients with complex chronic conditions (Pharmacy in Public health interest group). Community Lay Health Worker Section. Presented at the American Public Health Association Annual Meeting and Exposition. Chicago, IL. Oct 31, 2015.
53. Dean JL, Nelson ML, **Warholak TL**. Pharmacy preceptor perceptions of the educating pharmacy students and pharmacists in quality (EPIQ) program team quality improvement projects. Presented as a poster at the AACP Annual Meeting. National Harbor, Maryland. July 13, 2015.
54. Augustine J, Slack M, Aguilar A, **Warholak TL**. The validation and use of a multiple-choice test to determine students' research methods knowledge. Presented at the AACP Annual Meeting. National Harbor, Maryland. July 11, 2015.
55. Liu C, Chinthammit C, Boesen K, **Warholak TL**. Associated Outcomes for Wellness Program Evaluation: A Systematic Review. Presented at the AACP Annual Meeting. National Harbor, Maryland. July 11, 2015.
56. Bhattacharjee S, Goldstone L, **Warholak T**. National Estimates of Prevalence and Patterns of Psychotropic Polypharmacy among Elderly Individuals with Parkinson's disease In Nursing Home and Home Healthcare Settings in the United States. Presented at the ISPOR Latin American Conference. Santiago, Chile. September 8, 2015.
57. **Warholak TL**, Patel M, Campbell P, Johannesmeyer H, West Strum D, Rosenthal M. Patient Assessment of a Pharmacy Star Rating Model. Presented at the ISQua's 32nd International Conference. Doha, Qatar. October 4, 2015.
58. Hinchman A, Hodges S, Backus J, **Warholak T**. Implementation of health information exchange (HIE) at an Arizona detention center: lessons learned. Presented at the ASHP Midyear Clinical Meeting and Exposition. New Orleans, LA. Dec 6, 2015.
59. Weber R, Gupta V, **Warholak T**. Comparing the efficiency and accuracy of health information exchange to the traditional process of medication reconciliation during admission at the Pima County adult detention complex. Presented at the ASHP Midyear Clinical Meeting and Exposition. New Orleans, LA. Dec 6, 2015.
60. Augustine J, Slack M, Bhattacharjee S, Cooley J, Holms E, **Warholak TL**. Preceptors' identification of key management skills for graduate PharmD students. Presented at the APhA Annual Meeting & Exposition. Baltimore, MD. March 4, 2016.
61. Campbell PJ, Harrington AR, Nelson ML, Martin R, **Warholak TL**. Psychometric evaluation of a patient satisfaction questionnaire in a comprehensive medication review-eligible Medicare population. Presented at the AMCP Annual Meeting. San Francisco, CA; April 20, 2016.
62. Bhattacharjee S, Goldstone L, **Warholak TL**. Prevalence, patterns and predictors of psychotropic polypharmacy among community-dwelling elderly individuals with Parkinson's disease in the United states. Presented at the ISPOR 21st Annual International Meeting. Washington, DC. May 23, 2016.

Refereed Poster Presentations - Continued

63. Augustine J, Slack M, Bhattacharjee S, Cooley J, Holms E, **Warholak TL**. Development and student feedback of an Objective, Structured Management Exam (OSME). Presented at the AACP Annual Meeting. Anaheim, California. July 23, 2016.
64. Martin L, **Warholak TL**, Hincapie A, Kjos AL, Gallo T. Health Information Technology **Competencies**: Results of a Focus Group. Presented at the AACP Annual Meeting. Anaheim, California. July 23, 2016.
65. **Warholak TL**, Hincapie A, Arya V, Holdford D, Stolpe S, Nelson M, Campbell P, Scarlatos M, Fish H, West-Strum D. Educating Pharmacists in Quality (EPIQ). Presented at the AACP Annual Meeting. Anaheim, California. July 23, 2016.
66. Patel M, **Warholak T**, Rosenthal M, Hincapie A. Patient Opinions of a Pharmacy Rating Model in the United States. Presented at the ISQua's 33rd International Conference. Tokyo, Japan. October 17, 2016.
67. Augustine J, Slack M, Bhattacharjee S, Cooley J, Holmes E, **Warholak T**. Predictors of student performance on business and management role-playing scenarios. Presented at the APhA Annual Meeting and Exposition. San Francisco, CA. March 2017.
68. Hincapie AL, Amir A, Weinstein S, **Warholak WL**. Reliability evaluation of an electronic prescribing error reporting system index. Presented at the APhA Annual Meeting and Exposition. San Francisco, CA. March 2017.
69. Sears J, Hincapie AL, Amir A, Goins S, **Warholak WL**. Qualitative Analysis of Electronic Prescribing Incidents Reported to Two National Error-Reporting Systems. Presented at the APhA Annual Meeting and Exposition. San Francisco, CA. March 2017.
70. Kowalski J, Chinthammit C, Taylor A, Boesen K, **Warholak TL**. Evaluation of Intervention Alert Frequency and Acceptance Rates by Medicare Insurance Type in a Medicare Part D Population. Presented at the AMCP Annual Meeting. Denver, CO. March 27-30, 2017.
71. Bhattacharjee S, Goldstone L, Ip Q, **Warholak TL**. Patterns and Predictors of Depression Treatment Among Adults with Multiple Sclerosis and Depression in Ambulatory Care Settings in the United States. Presented at the ISPOR 22nd Annual International Meeting. Boston, MA. May 20-24, 2017.
72. **McManus K, Metrejean C, Schweitzer K, Warholak TL, Cooley J**. Teaching at Quality and Safety at Schools/Colleges of Pharmacy in the United States: Exemplars. Presented at the PQA Annual Meeting. National Harbor, MD. May 18, 2017.
73. Bhattacharjee S, Malone DC, **Warholak T**, Knapp S, Lo-Ciganic W, Lee J, Burke W. Comparison of Fall and Fracture Risk for Medications to Treat Alzheimer's Disease. Presented at the AMCP Nexus. Dallas, Tx. October 16-19, 2017.
74. Axon DR, Watson M, Hincapie A, **Warholak TL**. Evaluating the Quality of Community Pharmacy Services Around the World. Presented at the ISQua 34th Annual Meeting, London, UK. October 2017.
75. Axon R, Hincapie A, **Warholak T**. What do community pharmacists "do" and how can they help your quality initiatives? Presented at the ISQua 34th Annual Meeting, London, UK. October 2017.
76. Mollon L, Aguilar A, Anderson E, Dean JL, Davis L, **Warholak TL**, Aizer A, Platt E, Bardia A, Tang DH.

Refereed Poster Presentations - Continued

- A systematic literature review of the prevalence of PIK3CA mutations and mutation hotspots in HR+/HER2– metastatic breast cancer. Presented at the American Association for Cancer Research (AACR) Annual Meeting. Chicago IL. April 14-18, 2018.
77. Mollon L, Aguilar A, Anderson E, Dean JL, Davis L, **Warholak TL**, Aizer A, Platt E, Bardia A, Tang DH. Biopsy and analytical testing methods used to identify PIK3CA mutations in hormone receptor positive, human epidermal growth factor receptor negative metastatic breast cancer: a systematic literature review. Presented at the AACR Annual Meeting. Chicago IL. April 14-18, 2018.
78. Mollon L, Aguilar A, Anderson E, Dean JL, Davis L, **Warholak TL**, Aizer A, Platt E, Bardia A, Tang DH. Concordance of PIK3CA mutations in hormone receptor positive, human epidermal growth factor receptor 2 negative breast cancer: a systematic literature review. Presented at the AACR Annual Meeting. Chicago IL. April 14-18, 2018.
79. Patel M, Campbell P, Forbes S, **Warholak T**, Sakharkar P, Law A. Use of the Patient Satisfaction with Pharmacist Services Questionnaire (PSPSQ) 2.0 in a telephonic Medication Therapy Management Center. Presented at the PQA Annual Meeting. Baltimore, MD. May 2018.
80. Anderson EJ, Mollon L, Dean JL, Aguilar A, Davis L, **Warholak TL**, Aizer A, Platt EA, Bardia A, Tang DH. A Systematic Literature Review of the Clinical Prognosis of HR+/HER2– Advanced or Metastatic Breast Cancer with and Without PIK3CA Mutation. Presented at the American Society of Clinical Oncology (ASCO) Annual Meeting. Chicago, IL. June 1-5, 2018.
81. Axon DR, Augustine J, **Warholak T**, Lee J. A Rasch Analysis of Student Pharmacists' Attitudes Towards Herbal Medications. Presented at the ISPOR Annual International Meeting. Baltimore, MD, USA. May 2018.
82. Bhattacharjee S, Malone DC, **Warholak T**, Knapp S, Lo-Ciganic W, Lee J, Burke W. Comparison of AllCause Mortality and All-Cause Hospitalization Risk for Medications to Treat Alzheimer's Disease. Presented at the ISPOR Annual International Meeting. Baltimore, MD, USA. May 2018.
83. Axon DR, Campbell PJ, **Warholak TL**. Student pharmacists' experiences of teamwork in a professional pharmacy program. Presented at: American Association of Colleges of Pharmacy (AACCP) 2018 annual meeting. Boston, MA, USA. July 2018.
84. Augustine J, **Warholak T**, Slack M, Holmes E, Bhattacharjee S. Objective, Structured Management Exams (OSMEs): An Innovative Way to Learn Business and Management Skills. Poster presented at the AACCP Annual Meeting. Boston, MA, July 2018.
85. Axon DR, Bhattacharjee S, **Warholak T**, Slack M. Development and validity assessment of an exposure score tool for chronic pain self-management strategies. Presented at: International Society for Pharmacoeconomics and Outcomes Research (ISPOR) Asia Pacific Conference. Tokyo, Japan. September 2018.
86. Chinthammit C, Bhattacharjee S, Slack M, Bentley J, Warholak T, Lo-Ciganic W. Geographic variation of high risk medication use Among Medicare Beneficiaries in the United States. Presented at: International Society for Pharmacoeconomics and Outcomes Research (ISPOR) Asia Pacific Conference. Tokyo, Japan. September 2018.

Refereed Poster Presentations - Continued

87. Axon DR, Chinthammit C, Taylor A, Pickering M, Black H, **Warholak T**, Campbell P. A retrospective database analysis evaluating the relationship between Pharmacy Quality Alliance-defined adherence and healthcare costs and utilization for commercially insured patients on renin-angiotensin system antagonists. Accepted for presentation at: Academy of Managed Care Pharmacy (AMCP) managed care and specialty pharmacy annual meeting. San Diego, CA, US. March 2019.
88. Campbell P, Axon DR, Mollon L, Taylor A, Pickering M, Black H, **Warholak T**, Chinthammit C. A retrospective database analysis evaluating the association between Pharmacy Quality Alliance antidiabetic medication measure adherence, healthcare use and expenditures among commercially insured patients. Accepted for presentation at: Academy of Managed Care Pharmacy (AMCP) managed care and specialty pharmacy annual meeting. San Diego, CA, US. March 2019.
89. Chinthammit C, Axon DR, Anderson S, Taylor A, Pickering M, Black H, **Warholak T**, Campbell P. A retrospective database analysis evaluating the relationship between Pharmacy Quality Alliance cholesterol medication adherence measure performance and economic outcomes for commercially insured patients. Accepted for presentation at: Academy of Managed Care Pharmacy (AMCP) managed care and specialty pharmacy annual meeting. San Diego, CA, US. March 2019.
90. Dhat H, Marupuru S, Campbell P, Chinthammit C, **Warholak T**. A Motivational Factors Assessment Instrument for Employees providing Medication Therapy Management Services: a Rasch Analysis. Accepted for presentation at: The AMCP Annual Meeting 2019. San Diego, CA. March 27, 2019.
91. Marupuru S, Axon R, Chinthammit C, Campbell P, Forbes S, **Warholak T**. Exploring awareness of performance criteria and motivating factors of clinical employees at an academic based medication management call center: Findings from focus groups. Accepted for presentation at: The AMCP Annual Meeting 2019. San Diego, CA. March 27, 2019.
92. Campbell P, **Axon DR**, Taylor A, Pickering M, Black H, Bhattacharjee S, Warholak T, Chinthammit C. Relationship between adherence to anti-diabetic, anti-hypertensive, and lipid lowering medications and healthcare utilization and expenditures in a Medicare supplemental sample. Submitted to: Pharmacy Quality Alliance (PQA) annual meeting. Baltimore, MD, US. May 2019.
93. **Axon DR**, Vaffis S, Campbell P, Black H, Pickering M, Warholak T, Chinthammit C. A retrospective database analysis assessing the relationship between pharmacy quality alliance anti-diabetic medication adherence measure performance with healthcare costs and utilization in a Medicare supplement sample. Accepted for presentation at: International Society for Pharmacoeconomics and Outcomes Research (ISPOR) Annual International Meeting. New Orleans, LA, US. May 2019.
94. Vaffis S, **Axon DR**, Chinthammit C, Black H, Pickering M, Warholak T, Campbell P. A retrospective database analysis assessing the relationship between pharmacy quality alliance cholesterol medication adherence measure performance with healthcare costs and utilization in a Medicare supplement sample. Accepted for presentation at: International Society for Pharmacoeconomics and Outcomes Research (ISPOR) Annual International Meeting. New Orleans, LA, US. May 2019.

Refereed Poster Presentations - Continued

Refereed Podium Presentations

1. **Warholak-Juarez TL, ♦ Rupp MT.** The dispensing appropriateness trial. Presented at the Midwest Pharmacy Administration Seminar, Columbus, OH. July, 1998.
2. Sweeney BL, Burkiewicz JS, Peppers LR, **Jackson TL. ♦** Group visits versus individual appointments in a point-of-care anticoagulation clinic. Presented at the International Congress on Clinical Pharmacy. Paris, France. April 29, 2004.
3. Stensland S, **Jackson TL, ♦** Todd T, Lullo A, Mazan J, Masood A. Generating asthma education through school-based programs: Evaluation of the “Lion who couldn’t Roar.” Presented at the Illinois Asthma Conference. Springfield, IL. May 13, 2004.
4. Rupp MT, **Warholak Jackson TL, ♦** Lapane K, Whittemore K, Dube C. Maximizing the effectiveness of e-prescribing between physicians and community pharmacies. Presented by MT Rupp at the ASHP Midyear Meeting. Anaheim, CA; December 4, 2006.
5. Gilligan AM, **Warholak TL,** Armstrong EP, Malone, DC. Racial and ethnic disparities in medication exposure and cost of care across four state Medicaid populations with Alzheimer’s disease. Presented at Frontiers in Biomedical Research Poster Forum. University of Arizona. Tucson, AZ; November 2, 2011.
6. Harrington A, Desselle S, Apgar D, **Warholak TL.** Attitudinal questionnaire to evaluate pharmacy students’ opinions toward direct-to-consumer-advertising. Presented at the Frontiers in Biomedical Research Poster Forum. The University of Arizona. Tucson, AZ; November 2, 2011.
7. Schloss E, Michaels C, Schacter K, Dreisen K, Price Y, **Warholak TL.** A University of Arizona online, four-course interprofessional health care quality and safety curriculum. Presented at the Rapid Fire Session: Interprofessional Approaches to Quality and Patient Safety Education at the American Association of Medical Colleges Integrating Quality Meeting. Rosemont, IL. June 7, 2012.
8. **Warholak TL,** West D, Nau D. Special Session: The value-driven healthcare system – Is your school ready? Presentation at the AACP Annual Meeting. Kissimmee, Florida. July 15, 2012.
9. Hincapie AL, Arya V, **Warholak TL,** Quality Improvement in the Education of Doctors of Pharmacy in the United States. Podium presentation at ISQua’s 31st International Conference, Rio de Janeiro, Brazil. October 6, 2014.

Refereed Podium Presentations – Continued

10. Augustine J, Seltzer R, Pelger M, Boesen K, **Warholak T**. Smoking quit rates comparing smokers who received pharmacist-provided pharmacotherapy and a quitline services versus those who use only quitline services. Podium presentation at the APhA 2015 Annual Meeting. San Diego, CA. March 27, 2015.
11. Chinthammit C, Rupp MT, Modisett T, **Warholak TL**. A randomized controlled study of the effectiveness of Pharmacy Quality Commitment - a standardized continuous quality improvement program in community pharmacies. Podium presentation at the ISQua 32nd Annual Meeting. Doha, Qatar. October 4, 2015.
12. Mutebi A, Slack M, **Warholak TL**, Hudgens S, Coons SJ. Interpretation of Verbal Descriptors for Response Options Commonly Used in Verbal Rating Scales in Patient-Reported Outcome Instruments. Presentation at the International Society for Quality of Life Research. Vancouver, Canada. October 21, 2015.
13. **Warholak TL**, Cooley J, Hincapie AL. Quality Improvement in the Education of Doctors of Pharmacy in the United States: A Project Update. Podium presentation at the ISQua 32nd Annual Meeting. Doha, Qatar. October 4, 2015.
14. Johnson M, Jastrzab RA, Hall-Lipsy E, Martin R, Taylor A, **Warholak TL**. Academic-community partnership to implement medication therapy management services in rural communities improves adherence to preventative health guidelines for rural patients with diabetes and/or hypertension. Medical Care Section. Podium presentation at American Public Health Association Annual Meeting and Exposition. Chicago, IL. Oct 31- Nov 4, 2015.
15. Cooley J, **Warholak T**, Nelson M, Stolpe S, Vibhuti A, Walsh A, and Montoya A. Status of quality improvement education across U.S. colleges of pharmacy. Presented at The AACP Annual Meeting. Washington, DC. May 17, 2016.
16. Watson MC, **Warholak T**. Creating an oasis in the desert: quality, improvement and community pharmacy practice. Accepted for podium presentation at the International Social Pharmacy Workshop. Aberdeen, Scotland, UK. July 19-22, 2016.
17. Hincapie A, Garcia Elorrio E, **Warholak TL**. Enhancing the Evidence for Medication Safety in Low and Middle Income Countries. Podium presentation at the ISQua 33rd Annual Meeting. Tokyo, Japan. October 16, 2016.
18. Axon R, Watson M, **Warholak TL**. Evaluating the Quality of Community Pharmacy Services Around the world. Podium presentation at the ISQua 33rd Annual Meeting. Tokyo, Japan. October 16, 2016.
19. Campbell P, Oh M, Axon R, Ekstrand M, **Warholak TL**. Psychometric Evaluation of the Health-Systems Alliance for Integrated Medication Management (HAIMM) Patient Experience Survey. Podium presentation at the APhA Annual Meeting and Exposition. San Francisco, CA. March 2017.
20. Hall-Lipsy EA, Anderson E, Axon DR, Taylor AM, Manygoats T, Warholak T. Title: Promotora perspectives as partners in the delivery of medication therapy management services via a collaborative, academic-community partnership. Teaching Prevention 2019: Building a New Paradigm for Population Health that will take place in Cleveland, OH from April 1-3, 2019.

SCHOLARLY PRESENTATIONS ♦ Denotes married name

Seminars: State and Local

1. Honors Convocation. Sponsored by the Rho Chi Society, College of Pharmacy, The University of Arizona. Tucson, AZ; October 21, 2005. **Jackson TL**.♦ “Benefiting from Your Mistakes.”
2. Healthcare Group of Arizona. Phoenix, AZ; November 10, 2005. **Jackson TL**, Murcko A. “2006 Pharmacy Benefit Revision.”
3. Arizona State Board of Pharmacy Meeting. Phoenix, AZ; November 9, 2006. **Jackson TL**.♦ “Teaching Medication Error Reduction Skills.”
4. The University of Arizona College of Pharmacy. Continuing Education Session, Phoenix, AZ; January 24, 2008. **Warholak TL**. “Reducing Medication Errors.” ACPE accredited for 2 contact hours.
5. The University of Arizona College on Medicine, Phoenix. Mini-Medical School. The University of Arizona College on Medicine, Phoenix. March 26, 2008. **Warholak TL**. “Preventing Medication Errors.”
6. Arizona Patient Safety Forum. Sponsored by Arizona Partnership for Implementing Patient Safety, Phoenix, AZ; March 30, 2007. **Warholak Jackson TL**. “Medication Safety: Reducing Harm from High Alert Drugs and Prevention of Adverse Drug Events.”
7. Healthcare Information and Management Systems Society (HIMSS). Tucson, AZ; February 5, 2010. **Warholak TL**, Saverno K, Hines LE, Grizzle A, Malone D. Presented by **Warholak TL** and Saverno K. “Ability of Clinical Decision Support Systems to Alert Pharmacists of Clinically Important DrugDrug Interactions.”
8. The Focused Investigator Training Program. Sponsored by the American College of Clinical Pharmacy. Tucson, AZ; June 13, 2011. **Warholak TL**. “Life After the Focused Investigator Training Program: TIPS.”
9. Pharmacy Quality Alliance Quality Forum Lecture Series. National Webinar. July 19, 2013. **Warholak TL**, Arya V, Hincapie AL. Pharmacy Quality Alliance Quality Forum Lecture Series. “Training the Rising Generation of Pharmacists in Performance Measurement and Quality.”
10. Arizona State Board of Pharmacy Meeting. December 9, 2013. Baler K, **Warholak TL**. “Continuous Quality Assurance (CQA) Program: What is it, how to comply, and what board inspectors will look for during an inspection.”
11. The University of Mississippi College of Pharmacy. Guest Presentation. June 14, 2015. **Warholak TL**. “Development of a Pharmacy STAR Rating System.”
12. The University of Arizona College of Pharmacy. Seminar Presentation. February 16, 2017. **Warholak TL**. “Time Management.”
13. The University of Arizona College of Pharmacy. Graduate Student Council Colloquium Presentation. September 15, 2017. **Warholak TL**. “CV and Interviewing workshop.”
14. Arizona Pharmacy Association (AzPA) Spring Clinical Conference. April 28, 2018. Tucson, AZ. Murata J, Rupp MT, **Warholak TL**. “Should Indication or Diagnosis be required on prescriptions?”

15. Arizona Osteopath Medical Association Annual Convention. April 12, 2019. Scottsdale, AZ. **Warholak TL**, Rupp MT, Murcko A. “Diagnosis Code on the Prescription.”

Seminars: International

1. School of Pharmacy and Pharmacology, University of Bath, Bath. October 5, 2017. **Warholak TL**. “Quality Education and Star Rating Systems in the United States.”
2. ISQua, Webinar. December 5, 2017. **Warholak TL**. “Star Measures and Payment Incentives.”
3. ISQua Webinar. May 10, 2018. Hincapie AL, **Warholak TL**. “Medication Safety”
4. ISQua Specialist Certificate in Medication Safety. October, 2018. Hincapie AL, **Warholak TL**. “Understanding challenges in the safe use of medications – ISQua for the Specialist Certificate in Medication Safety.”
5. International Society for Quality of Life Research (ISOQOL) 26th Annual Conference in San Diego, California, USA. October 20, 2019. Dhat H, Hudgens S, **Warholak TL**. “How Rasch and Classical Test Theory Can Complement Each Other When Assessing the Reliability and Validity of Clinical Outcome Assessments: A Hands-on Workshop.”
6. 2019 International Pharmaceutical Federation (FIP) World Congress of Pharmacy & Pharmaceutical Sciences. Abu Dhabi, United Arab Emirates, September 26, 2019. **Warholak TL**. “2019 Quality indicators for community pharmacies: A global survey in the following session: Pharmacy quality indicators to improve patient care.”

Conferences: National

1. American Association of Colleges of Pharmacy (AACP) Annual Meeting and Seminar. Lake Buena Vista, FL; July 17, 2007. **Warholak Jackson TL**.♦ “A Lesson to Remember: Medication Error Prevention Strategies in the Classroom.”
2. AACP Annual Meeting and Seminar. Lake Buena Vista, FL; July 15, 2007. **Warholak Jackson TL**♦ and Brown LB. “Teaching Quality Measures and Quality Assurance.”
3. American Society of Health System Pharmacists (ASHP) Clinical Midyear Meeting, San Diego, CA; December 5, 2007. Ensom MH, Olin JL, Hasegawa G, **Warholak TL**. Publishing Networking Session. “How to Get Published.”
4. ASHP Clinical Midyear Meeting, San Diego, CA; December 5, 2007. **Warholak TL**. “The Catcher in the Rye: Lessons from Pharmacists’ e-Rx Interventions.”
5. AACP Annual Meeting and Seminar. Chicago, IL, July 22, 2008. Fassett W, West D, **Warholak, TL**. “Developing Curriculum to Teach Students about Pharmacy Quality and Patient Safety.”
6. Pharmacy Quality Alliance (PQA) Mid-Year Meeting. Washington, DC, Nov 20, 2008. **Warholak TL**, Holdford D, West D. “Educating Pharmacy Students and Pharmacists to Improve Quality.”
7. AACP Interim Meeting and Seminar. Washington, DC, February 24, 2009. **Warholak TL**. “Curriculum Change.”

8. AACP Annual Meeting and Seminar. Boston, MA, July 21, 2009. Baldwin JN, Duncan J, Frederico F, Holdford DA, **Warholak TL**, West D. "The Science and Teaching of Quality Improvement."
9. AACP Annual Meeting and Seminar. Boston, MA, July 22, 2009. **Warholak TL**, West D, Holdford DA. "The EPIQ (Educating Pharmacy Students to Improve Quality) Program: A Train the Trainer Program for Pharmacy Faculty."

Conferences: National – Continued

10. National Institute for Quality Improvement and Education (NIQIE) Annual Meeting. Chicago, IL, September 9, 2009. Preconference Workshop. "Healthcare Quality Improvement: The Basics." **Warholak TL**, Fetterolf D.
11. PQA Mid-Year Meeting. Washington, Dec 10, 2009. **Warholak TL**, Holdford D, West D. "EPIQ: Successful Strategies for Implementation."
12. AACP Annual Meeting and Seminar. Seattle, WA, July 18, 2009. DiVall MV, Kassam R, **Warholak TL**, Turner CJ, Kahaleh. Quality Assurance Strategies to Assess and Improve Introductory and Advanced Pharmacy Practice Experience Programs."
13. National Alliance of State Pharmacy Associations (NASPA). Spring Meeting. Grand Hyatt, Washington, D.C. March 11, 2010. **Warholak TL**. Medication Reconciliation – A Comparison of Methods.
14. American Pharmacists Association (APhA) Academy of Pharmaceutical Research and Science-Economic Social and Administrative Pharmacy (APRS-ESAS) Research Roundtable: Integrating Science into Practice. Washington, D.C. March 12, 2010. **Warholak TL**, Holdford D, West D. The Science of Safety.
15. PQA National Quality Webinar Series. "Quality Assurance to Prevent Drug-Drug Interactions." **Warholak TL**, Malone DC. September 9, 2010.
16. PQA/Institute for Safe Medication Practices Seminar. March 15, 2011. Dallas, TX. **Warholak TL**. "Challenges with E-prescribing: Reducing Errors or Shifting Errors?"
17. Academy of Managed Care Pharmacy (AMCP) 23rd Annual Meeting and Showcase. April 26, 2011. Minneapolis, MN. Malone D, Hines LE, **Warholak TL**, Hurwitz J, Brown M, Taylor A. "Putting Comparative Effectiveness Research Into Practice: What You Need to Know."
18. Medicaid Managed Care Congress. Baltimore, MD. May 18, 2011. McKendry M, Gallagher E, **Warholak TL**, Starr R. "Medicaid Quality."
19. Mayo School of Continuous Professional Development. Teaching Quality Improvement and Patient Safety in Health Professions Education. May 23-24, 2011. Rochester, MN. Newmann J, **Warholak TL**. "Allied Health Curriculum for Quality."
20. AHSP. Summer Meeting 2011. June 12, 2011. Denver, CO. Malone D, Hines LE, **Warholak TL**, Hurwitz J, Brown M, Taylor A. "Putting Comparative Effectiveness Research Into Practice: What You Need to Know."
21. Indian Health Service National Pharmacy and Therapeutics Committee Meeting. July 13, 2011.

- Nashville, TN. Malone D, Hines LE, **Warholak TL**, Hurwitz J, Brown M, Taylor A. “Putting Comparative Effectiveness Research Into Practice: What You Need to Know.”
22. Interprofessional Education Collaborative (IPEC) IPEC Institute. January 13, 2014. Washington, DC. **Warholak TL**. “Theory Burst: Learner Assessment.”
23. PQA Annual Meeting 2014. May 28, 2014. Washington, DC. **Warholak TL**. Holdford D, West D, Hincapie A, Arya V. “*Educating Pharmacists and Pharmacy Students about Quality (EPIQ) Train the Trainer Session.*” 24. AACP Annual Meeting 2014. July 29, 2014. Grapevine, Texas. Augustine J, **Warholak TL**, Slack M. “*Special Session: How Do You Make Writing Multiple-Choice Question Easy? Use Concept Theory!*”

Conferences: National – Continued

25. APhA Annual Meeting 2015. March 28, 2015. San Diego, CA. **Warholak TL**. The Economic, Social, and Administrative Sciences (ESAS) Section of the APhA Academy of Pharmaceutical Research and Science (APhA-APRS). “*Research Roundtable on Quality Indicators in Health Care.*”
26. AACP Interim Meeting, *Teams Leading Change*, to be held at the Hilton Austin in Austin, Texas, February 9, 2015. Stolpe S, **Warholak TL**. “Meeting New Quality Challenges.”
27. AACP Annual Meeting 2016. July 24, 2016. Anaheim, CA. **Warholak TL**, Arya V, Hincapie A, Holdford D, West-Strum. “Innovative ways to Teach Quality, Safety & Performance Measurement.”
28. PQA Leadership Summit 2016. November 18, 2016. Arlington, VA. **Warholak TL**, Kliethermes MA. “Quality, Safety & Performance Measurement.”
29. APhA Annual Meeting and Exposition 2017. March 25, 2017. San Francisco, CA. **Warholak TL** and Flake K. “Incorporating learners into the research process.”
30. APhA Annual Meeting and Exposition 2018. March 16, 2018. Nashville, TN. **Warholak TL**. “Roundtable facilitator: Helping mentees get to the next level.”
31. LexisNexis Health Care 2017 Pharmacy Partner Summit. October 16, 2017. Paradise Valley, AZ. **Warholak TL**. “The changing performance landscape and the role of quality and P4P.”
32. AACP Annual Meeting Round Table. July, 2018. Augustine J, Hincapie A, **Warholak T**. “Successful collaboration between a university research team and a medication management center.”
33. ASHP Midyear Clinical Meeting. December 5, 2018. Bohannon D, Love R, Harney C, **Warholak T**. “Emerging USP standards: Improving patient safety with opioid standards.”
34. PQA Annual Meeting. May 16, 2019. Arya V, Ranelli P, Warholak TL. Carriers of the Patient Voice: Intersection of science, theatre, and clinical practice”

Conferences: State and Local

1. The Role of Health Outcomes Research in Medicare Part D. Sponsored by The Center for Health Outcomes and PharmacoEconomic Research (HOPE Center), Tucson, AZ; January 26, 2006. **Jackson TL**.♦ “Quality Improvement Systems.”
2. PharmacoEconomics Training Program. Sponsored by The HOPE Center, Tucson, AZ; September 27,

- 2006; September 26, 2007; September 24, 2008; September 23, 2009; September 2010; September 2011; February 2012; September 2012, September 2013, September 2014, September 2015, January 2016, September 2017. September 2018. **Warholak TL.** “Designing and Conducting Pharmacoeconomic Studies.”
3. PharmacoEconomics Training Program. Sponsored by The HOPE Center, Tucson, AZ; September 27, 2006; September 24, 2007. **Warholak TL.** “Principles of PharmacoEconomics.”
 4. PharmacoEconomics Training Program. Sponsored by The HOPE Center, Tucson, AZ; October 2, 2007, January 30, 2013. **Warholak TL.** “Evaluating Pharmacoeconomic Studies.”
 5. Southwestern Clinical Pharmacy Seminar. Sponsored by The HOPE Center, Tucson, AZ; March 3, 2007. **Warholak Jackson TL.**♦ “Medication Errors: Strategies to Incorporate into Your Practice.”

Conferences: State and Local – Continued

6. Arizona Pharmacy Alliance (AzPA) Annual Meeting. Phoenix, AZ; July 27, 2007. **Warholak Jackson TL.**♦ “Medication Reconciliation and Medication Errors.”
7. Southwestern Clinical Pharmacy Seminar. Sponsored by The HOPE Center, Tucson, AZ; February 27, 2009. **Warholak TL,** Baker K. “Preparing for New Legislation in AZ: Implementing CQI in your practice.”
8. Southwestern Clinical Pharmacy Seminar. Sponsored by The HOPE Center, Tucson, AZ; February 28, 2009. **Warholak TL,** Rasmussen M, Tritle B. “e-Prescribing level 1: Getting started.”
9. Southwestern Clinical Pharmacy Seminar. Sponsored by The HOPE Center, Tucson, AZ; February 28, 2009. **Warholak TL,** Rasmussen M, Tritle B. “E-Prescribing level 2: Lessons Learned – Advanced Implementation.”
10. Colorado Pharmacy Association. June 27, 2009. **Warholak TL,** West D, Holdford D, Moulton J. “Advancing Pharmacy Practice through Performance Measurement.”
11. Utah Pharmacy Association. Salt Lake City, UT; August 8, 2009. **Warholak TL,** West D, Holdford D, Moulton J. “Advancing Pharmacy Practice through Performance Measurement.”
12. Arizona Pharmacy Alliance (AzPA) Annual Meeting. Phoenix, AZ; July 18, 2010. **Warholak TL,** West D, Holdford D, Moulton J. “Advancing Pharmacy Practice through Performance Measurement.”
13. Missouri Pharmacy Association Annual Meeting. Branson MO; June 11, 2010. **Warholak TL,** West D, Holdford D, Moulton J. “Advancing Pharmacy Practice through Performance Measurement.”
14. Delmarva Foundation of the District of Columbia. Quality Forum Lecture. October 21, 2010. Hines LE, **Warholak TL.** “Quality Assurance to Prevent Drug-Drug Interactions.”
15. AzPA Community Pharmacy Academy Conference. Phoenix, AZ. September 22, 2012. **Warholak TL,** Wand H, Baker K, MacKinnon N, Gerboth K, Campbell C. “The new Arizona Community Pharmacy Quality Improvement Legislation.”

16. Southwestern Clinical Pharmacy Seminar. Tucson, AZ. February 16, 2013. **Warholak TL**, Murcko A. “She-Said, She-Said: How e-prescribing issues look completely different from the physician and pharmacist perspectives - and what to DO about it!” Arizona Pharmacy Association Annual Convention and Trade Show. Tucson, AZ. June 29, 2013. MacKinnon N, **Warholak TL**, Baker K,
17. AzPA Annual Meeting. Augustine J, Campbell C, Bishop A, Boyle T, Nau D. “Continuous Quality Assurance Workshop: Arizona’s New Continuous Quality Improvement Legislation and How to Comply.”
18. PharmacoEconomics Training Program. Sponsored by The HOPE Center, Tucson, AZ; September 2013, September 2014, September 2015, January 2016. **Warholak TL**. “Statistics in PharmacoEconomics.”
19. HealthMart Town Hall. Sponsored by Collaborative Education Institute. Beverly Hills, CA – Feb 5, 2014. **Warholak TL**. “Maintaining Access to Lives for Retail Pharmacies by Providing Quality Care.”
20. Southwest Clinical Conference – presented by the University of Arizona, College of Pharmacy and the Arizona Pharmacy Association/Health-system Academy. Tucson, AZ - March 9, 2014. Baker K, **Warholak TL**. “Continuous Quality Assurance (CQA) Program: What is it, how to comply, and what board inspectors will look for during an inspection.”
21. Medication-Assisted Treatment Symposium. Phoenix, AZ. August 8, 2014. Lindsey A, **Warholak TL**. “Medication-assisted Treatment 101: Medication Overview and a Review of the Evidence.”

Conferences: State and Local – Continued

22. AzPA Annual Convention and Trade Show. Tucson, AZ. June 27, 2015. **Warholak TL**. “How to use Part D STAR measures to your advantage.”
23. St. John’s University College of Pharmacy and Health Sciences. 57th Annual Dr. Andrew J. Bartilucci Pharmacy Congress Changing Paradigms in Value-Based Healthcare. October 25, 2015. **Warholak TL**. “Understanding How Medication Metrics are Impacting Today’s Healthcare System.”
24. PharmacoEconomics Training Program. Sponsored by The HOPE Center, Malvern, PA; January 2016. **Warholak TL**. “Managed Care Workshop.”
25. AACP Annual Meeting. Anaheim, CA. July 24, 2016. **Warholak T**, Hincapie A, Arya V, Holdford D, Stolpe S, West D. “Innovative Ways to Teach Quality, Safety & Performance Measurement.”
26. APhA Annual Meeting. San Francisco, CA. July 25, 2017. **Warholak T**, Ferreri S, Plake K. Incorporating learners into the research process.”
27. PQA Annual Meeting. Baltimore, MD. May 17, 2018. **Warholak TL**, Campbell PJ. “Sandcastles: Building PQA’s Research Portfolio One Bucket at a Time.”
28. Social Justice Symposium; 2019 April. Tucson, Arizona. Anderson EJ, Vaffis S, Jackowski R, **Warholak TL**, Hall-Lipsy E. “Measuring changes in student social justice self-efficacy in experiential learning: lessons learned from implementation and validation studies.”

GRANTS AND CONTRACTS ♦ Denotes married name

Federal

1. \$2,491,559 “Maximizing the Effectiveness of e-Prescribing Between Physicians and Community Pharmacies.” AHRQ. 2006. 1 U18 HS016394-01, 2006. Whittemore K, Lapane KL, Rupp MT. Role: Co-Investigator (UA subcontract for \$36,820) 20% effort.
2. \$3,958,571 “Arizona Center for Education and Research on Therapeutics.” AHRQ. 1 U18HS017001-01, 2007- 2011. Woosley R, et al. Role: Co-Investigator (subproject budget of \$265, 855) 10% effort.
3. \$90,000 “A Baseline Evaluation of the Integration of the “Science of Safety” into the Curriculum of the Doctor of Pharmacy Degree in U.S. Colleges of Pharmacy.” American Association of Colleges of Pharmacy/Food & Drug Association. 2009. Holdford, DA, West D, Warholak, TL. Role: Coinvestigator (UA subcontract \$21,000) 10% effort.
4. \$10,791,644 “Development of a Health Information Technology Regional Extension Center (REC)” Office of the National Coordination for Health Information Technology. 2010. Tritle B, et al. Role: Co-Investigator (subproject budget of \$30,000/year for 4 years). 18% effort.
5. \$1,251,489 “Innovative Diffusion of Comparative Effectiveness Research” AHRQ. 1R18HS019220, 2010 -2013. Malone et al. Role: Co-Investigator. 10% effort.
6. \$3,600,000 “Transforming Clinical Practice Initiative (TCPI) Practice Transformation Network (PTN)” CMS. 2016-2019. PI Kotrys M. AzHeC. Role: Principal Researcher, (subproject budget of \$30,000/year for 3 years) 10% effort.

Industry

1. \$52,500 “Asthma Burden of Illness Study.” Collaboration with MEDTAP Inc., 2005. Jackson TL, ♦ Malone D, Armstrong E, Skrepnek G. Role: PI. 20% effort.
2. \$99,690 “A systematic literature review of the epidemiology and the clinical, economic, and humanistic burden for postmenopausal women with PIK3CA-mutant HR+/HER2-negative advanced or metastatic breast cancer” Novartis. Warholak TL. 2017. Role: PI. 10% effort.

State

1. \$28,871 “An Analysis of Psychotropic Medication Use in Children Enrolled in the Arizona Health Care Cost Containment System.” The Arizona Health Care Cost Containment System (AHCCCS), 2007. Brown M, Malone DC, Warholak TL. Role: Co-Investigator.
2. \$104,930 “Transformation Grant I: The Health Information Exchange and Health Record Project (HieHR).” The Arizona Health Care Cost Containment System (AHCCCS). 2007 – 2008. Warholak TL, Malone DC. Role: Co-PI. 50% effort.
3. \$80,488 “Transformation Grant I: The Health Information Exchange and Health Record Project

(HieHR).” The Arizona Health Care Cost Containment System (AHCCCS). 2008 – 2009. Warholak TL, Malone DC. Role: Co-PI. 20% effort.

4. \$183,867 “Transformation Grant II: Value Driven Decision Support Tool Box.” The Arizona Health Care Cost Containment System (AHCCCS). 2008 – 2009. Warholak TL, Malone DC, Guy M, Hines LE. Role: Co-PI. 10% effort.

Private Foundation Funding

1. \$2,500 “The Effect of Patient Information on the Quality of Pharmacists’ Drug Use Review Decisions” National Community Pharmacy Association Foundation (NCPA). 1998. Role: PI.
2. \$4,000 “Why Does Getting My Prescription Filled Take So Long? A Proposal for Consumer Education.” Chicago College of Pharmacy Student Research Program, Meisner D, Jackson TL. ♦ Role: Faculty Sponsor.
3. \$2,500 “Evaluation of The Lion Who Couldn’t Roar: Knowledge and Attitudinal Outcomes of an Asthma Education Demonstration Project.” Chicago College of Pharmacy Intramural Research Grant Program 2002. Jackson TL, Loiacono D, Todd T, Stensland S, Garzanelli T, Lullo A, Masood A. Role: PI.
4. \$4,000 “How Does the Attitude of the Fourth-year Pharmacy Student Change After Working with Underserved Patients?” Sarah Langridge. Chicago College of Pharmacy Student Research Program on April 4, 2003. Role: Faculty Advisor.
5. \$300 “The Lion Who Couldn’t Roar” Majestic Steel Erections, Inc. 2003. Todd T, Stensland S, Jackson TL, ♦ Loiacono D, Garzanelli T, Lullo A, Masood A. Role: Co-Investigator.
6. \$4,000 “Implementation and Evaluation of the “Show and Tell” Pharmacist-Patient Medication Counseling Method in 15 Chicago-area Chain Community Pharmacies. Chicago College of Pharmacy Student Research Program, 2004. Langridge S. Jackson TL. ♦ Role: Faculty Sponsor.
7. \$1,500 “Providing Pharmaceutical and medical Diabetes Care to Chicagoland’s Underserved Populations.” Illinois Health Education Consortium (IHEC), 2005. Pumares C, Das N, Chapman R, Jackson TL, ♦ Nelson J, Fabian J. Role: Faculty Advisor.
8. \$2,000 “Providing Pharmaceutical and medical Diabetes Care to Chicagoland’s Underserved Populations.” American Pharmacists Association – Academy of Student Pharmacists/ Pharmacy Services Support Center, 2005. Pumares C, Das N, Chapman R, Jackson TL, ♦ Nelson J, Fabian J. Role: Faculty Advisor.
9. \$2,000 “Providing Pharmaceutical and Medical Diabetes Care to Chicagoland’s Underserved Populations.” American Pharmacists Association – Academy of Student Pharmacists/ Pharmacy Services Support Center, 2006. Pumares C, Das N, Chapman R, Jackson TL, ♦ Nelson J, Fabian J. Role: Faculty Advisor.
10. \$28,655 “The Impact of the Medicare Modernization Act on Outcomes of the Arizona Health Care Cost Containment System (AHCCCS) Medicaid/Medicare Dual Eligible Patients.” St. Luke’s Health Initiatives. 2007. Warholak Jackson TL, ♦ Malone DC, Skrepnek GH, Armstrong EP. Role: PI. 15% effort.
11. \$10,256 “Medication Reconciliation: Bringing Pharmacists and Patient Care Together.”

- Merck/National Alliance of State Pharmacy Associations 2008 (6 months). Warholak TL, Baumgart A, McCulloch M, Rasmussen M. Role: PI. 15% effort.
12. \$100,000 “Arizona e-Prescribing (and EMR First Step) Initiative.” United Health Care. 2008. Tritle B, Rasmussen M, Croft B, Warholak TL, Rutala M. Role: PI (subcontract for \$24,118). 20% effort.
 13. \$40,000 “Evaluation of Interventions Designed to Improve Dosing Accuracy of Children’s Acetaminophen.” PhARMA Foundation. 2009-2011. Hurwitz J, Warholak TL. Role: CoInvestigator/Mentor.
 14. \$20,000 “A Prospective Observational Study of Medication Errors in a Tertiary Care Emergency Department.” The American Society of Health-System Pharmacy Foundation – Junior Investigator Grant 2008-2009. Patanwala A, Erstad B, Warholak TL. Role: Co-Investigator. 5% effort.

Private Foundation Funding - Continued

15. \$24,415 “Improving Medication Safety by Providing Pharmacists with Patient Diagnosis on Electronic Prescription Orders” Cardinal Health Foundation. 2010. Leal S, Rupp M, Warholak TL. Role: CoInvestigator 10% effort.
16. \$9,750 “e-Prescribing Error Report Analysis” Alliance for Patient Medication Safety. 2010. Warholak TL. Role: PI 10% effort.
17. \$10,791,644 “Development of a Health Information Technology Regional Extension Center (REC).” Office of the National Council for Health Information Technology. 2010. Granted to Arizona Health-e Connection. Subcontract for \$15,571. Role: Co-Investigator 10% effort.
18. \$12,000 “Socioeconomic Impact of Mandated Health Coverage for Telemedicine in the State of Arizona.” 2011. Hospital Council of Southern Arizona. Role: PI. 5% effort.
19. \$205,412 “The Good, the Bad, and the Different: Deciphering Heterogeneity to Managed Care Pharmacy and Medical Directors” National Pharmaceutical Council. 2011-2014. Malone DC, Brown M, Hines LE, Hurwitz J, Taylor A, Warholak TL. Role: Co-Investigator. 5% effort.
20. \$19,519.23 “A Patient Evaluation of Items Contributing to Medication Adherence and Medicare Star Ratings.” Medication Management Center. 2012. Warholak TL, Hincapie AL, Mollon LE. Role: PI. 10% effort.
21. \$18,874 “Tuition reimbursement for the University of Arizona Health Network Employees to take University of Arizona course PhSc 563a – Introduction to Health Care Quality and Safety. University Medical Center Risk Management Process Improvements for Patient Safety Fund Program. 2012. Warholak TL, Schloss E, Schachter K, Michaels C, Price Y, Driesen K. Role: PI. 10% effort.
22. \$7,500 “Interprofessional Education and Practice Quality Improvement Demonstration Project” University of Arizona Interprofessional Education and Practice. Warholak TL and Schachter K. 2012. Role: PI. 10% effort.
23. \$7,500 “Interprofessional Education and Practice Curriculum Committee” University of Arizona Interprofessional Education and Practice. Role: Committee Member. 2013. 10% effort.
24. \$3,000 “Coordination and Creation of Online Quality Improvement Modules for the Educational Electronic Quality Improvement Platform for Plans and Pharmacies (EQUIPP) System. The Pharmacy Quality Alliance. Warholak TL. 2013. Role: PI. 5% effort.
25. \$36,000 “Medication Management Center Research and Assessment.” The Medication Management Center. Warholak TL. 2013. Role: PI.
26. \$203,000 “Medication Management Center Research and Assessment.” The Medication Management Center and SinfoníaRx. Warholak TL. 2014. Role: PI. 10% effort.
27. \$80,000 “Development of a Pharmacy Star Rating System & Education of Community Pharmacists on Star Ratings and Pay-for-Performance. The Community Pharmacy Foundation. Nau D, PI. Warholak TL. Role: Subcontractor for UA (\$30,000). 2014. 10% effort.
28. \$150,149 “Pharmacists Assisting the Community: A Medication Therapy Management Program to Help Control Chronic Disease.” Arizona Department of Health Services. Martin R, PI. Warholak TL. Role: Subcontractor for UA (\$12,898). 2014 - 2015. 10% effort.
29. \$39,363 “Funding for Graduate Research Assistantship.” The Critical Path Institute. Warholak TL. 2014. Role: Facilitator.

Private Foundation Funding - Continued

30. \$75,000 “Continuation Funding for Pharmacists Assisting the Community: A Medication Therapy Management Program to Help Control Chronic Disease.” Arizona Department of Health Services. Martin R, PI. Warholak TL. Role: Subcontractor for UA (\$7,500). 2015-2016. 10% effort.
31. \$39,363 “Funding for Graduate Research Assistantship.” The Critical Path Institute. Warholak TL. 2015. Role: Facilitator.
32. \$213,000 “Medication Management Center Research and Assessment.” The Medication Management Center and SinfoníaRx. Warholak TL. 2015. Role: PI. 10% effort.
33. \$117,000 “Identifying Drivers and Outcomes of Performance on PQA Adherence Measures.” Pharmacy Quality Alliance. Stolpe S, PI. Warholak TL. Role: Subcontractor for UA (\$86,220). 2016-18. 15% effort.
34. \$30,229 “Comprehensive Analysis of Electronic Prescribing Quality Related-Incidents” Hincapie AL, Warholak T, Modisett T, Snead R. Community Pharmacy Foundation. 2016. Role: Principal Investigator, 10% effort.
35. \$216,283 “Medication Management Center Research and Assessment.” The Medication Management Center and SinfoníaRx. Warholak TL. 2016. Role: PI. 10% effort.
36. \$39,363 “Funding for Graduate Research Assistantship.” The Critical Path Institute. Warholak TL. 2016. Role: Facilitator.
37. \$100,000 “Comparative Effectiveness of Medications to Treat Alzheimer’s disease.” Alzheimer’s Association. April 2015 to March 2017. Bhattacharjee S, Warholak T. Role: Co-I. 1-3% effort.
38. \$42,730 “Practice Innovation Institute Evaluation.” Arizona Health-e Connection. 2017. Warholak TL, Taylor A. Role: PI. 10% Effort.
39. \$80,110 “Continuation Funding for Pharmacists Assisting the Community: A Medication Therapy Management Program to Help Control Chronic Disease.” Arizona Department of Health Services. Martin R, PI. Warholak TL. Role: Subcontractor for UA (\$7,500). 2016-2017. 10% effort.
40. \$340,104 “Medication Management Center Research and Assessment.” The Medication Management Center and SinfoníaRx. Warholak TL. 2017. Role: PI. 30% effort.
41. \$184,486 “Health-Systems for Integrated Medication Management (HAImm) 2.0 Comprehensive Mediation Review (CMR) Patient Experience Questionnaire Development: Phase 1.” Warholak TL. 2018. Role: PI. 10% effort.
42. \$10,000 “Identifying Drivers and Outcomes of Performance on PQA Adherence Measures: Lab Value Evaluation.” Pharmacy Quality Alliance. Stolpe S, PI. Warholak TL. Role: Subcontractor for UA (10,000). 2016 -18. 15% effort.
43. \$340,104 “Medication Management Center Research and Assessment.” The Medication Management Center and SinfoníaRx. Warholak TL. 2018. Role: PI. 30% effort.
44. \$340,104 “Medication Management Center Research and Assessment.” The Medication Management Center and SinfoníaRx. Warholak TL. 2019. Role: PI. 30% effort.
45. \$340,104 “Medication Management Center Research and Assessment.” The Medication Management Center and SinfoníaRx. Warholak TL. 2020. Role: PI. 30% effort.

Private Foundation Funding - Continued

46. \$340,104 “Medication Management Center Research and Assessment.” The Medication Management Center and SinfoníaRx. Warholak TL. 2021. Role: PI. 30% effort.
47. \$340,104 “Medication Management Center Research and Assessment.” The Medication Management Center and SinfoníaRx. Warholak TL. 2022. Role: PI. 30% effort.
48. \$340,104 “Medication Management Center Research and Assessment.” The Medication Management Center and SinfoníaRx. Warholak TL. 2023. Role: PI. 30% effort.

Teaching Awards and Grants ♦ Denotes married name

Department/College

2004	Awardee, Mentor of the Year , Midwestern University Chicago College of Pharmacy
2006	Nominee, Clinical Science Educator of the Year , University of Arizona (UA) College of Pharmacy (COP)
2009	Nominee, Rookie Preceptor of the Year , UA COP
2009, 10, 12, 16	Nominee, Basic Science Educator of the Year , The UA COP
2012, 2013	Nominee, Outstanding Mentor , The Graduate and Professional Student Council (GPSC)
2014	Awardee, Basic Science Educator of the Year , The UA COP
2018	Awardee, Graduate Mentorship Award , The UA COP
2019	Nominee, Faculty Preceptor of the Year
2019	Mentor, PQA Healthcare Quality Innovation Challenge Finalist Team

University

2017, 2018	Mentor, Winning local CLARION Interprofessional Case Competition
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National/International

2003	Awardee, American Association of Colleges of Pharmacy (AACCP) Council of Faculties, Innovations in Teaching Award
2008-2009, 2013-2015	Awardee, Walmart Scholarship: Student and Faculty Pair , AACCP Annual Meeting
2013	Featured, Successful School/College Collaborations with State Pharmacy Associations and State Boards of Pharmacy, American Association of Colleges of Pharmacy

Private Foundation Funding - Continued

2015

Recipient, **Academy for Healthcare Improvement Duncan Neuhauser Award for Curricular Innovation** for the Educating Pharmacists in Quality (EPIQ) program

National/International – Continued

2016	Honorable Mention, AACP Council of Faculties, Innovations in Teaching Award
2016	Co-mentor of 2 nd Place Team, American College of Clinical Pharmacy Clinical Research Challenge
2017	Mentor, Winning Team National CLARION Interprofessional Case Competition 2018
2018	Mentor, Winning Team Local CLARION Interprofessional Case Competition 2018 Honorable Mention, AACP Council of Faculties, Innovations in Teaching Award

DOCUMENTATION OF TEACHING AND ADVISING

Extent of Teaching

Didactic Teaching

Year	Course Number	Course Title	Credits	Coordinator	Lecture/Lab Hours	Students Enrolled
2005	PhPr 842	Professional Practice Management	3		2 lecture hours	76
	PhPr 822	Case Discussions: Medicinal Chemistry/Pharmacology	1		8 lab hours	9
2006	PhPr 861a	Drug Literature Evaluation – Statistical Methods	2	x	27 lecture hours	80
	PhPr 822	Case Discussions: Medicinal Chemistry/Pharmacology	1		9 lab hours	12
	PhPr 861c	Drug Literature Evaluation - Applications	2		1 lecture hour	76
2007	PhPr 861c	Drug Literature Evaluation – Applications	2	x	17 lecture hours	79
	PhPr 861b	Drug Literature Evaluation – Research Methods	2	x	10 lecture hours	88
	PhSc 543/CPH 543	Health Services Research Methods	3		15 lecture hours	4
2008	PhPr 861b	Drug Literature Evaluation – Research Methods	2	x	17 lecture hours	94
	PhSc 596e	Graduate Seminar – Pharmaceutical Economics, Policy, and Outcomes	1	x	5 lecture hours	10
	PhSc 543/ CPH 543	Health Services Research Methods	3		15 lecture hours	3
	PhPr 861c	Drug Literature Evaluation - Applications	2		3 lecture hours	91
	PhPr 861a	Drug Literature Evaluation – Statistical Methods	2		2 lecture hours	97
	PhPr 0862	Writing a Proposal for a scientific Study	2		2 lecture hours	78
		College of Nursing Clinical Skills Intensive Program			2 lecture hours	29

		College of Medicine – Prep for 3 rd year rotations			1 lecture hour	102
		Teaching Scholars Program			1 lecture hour	8
2009	PhPr 861b	Drug Literature Evaluation – Research Methods	2	x	17 lecture hours	97
	PhPr 863	Quality Assurance and Medication Error Reduction	3	x	30 lecture hours	12
	PhSc 543/ CPH 543	Health Services Research Methods	3		15 lecture hours	7
	PhPr 885	Clinical Pharmacokinetics	3		1 lecture hour	89
	PhPr 861c	Drug Literature Evaluation - Applications	2		2 lecture hours	91
	PhPr 861a	Drug Literature Evaluation – Statistical Methods	2		1 lecture hour	97
	PhPr 862	Writing a Proposal for Scientific Study	2		4 lecture hours	86
2010	PhPr 863a	Quality Assurance and Medication Error Reduction	2	x	30 lecture hours	95
	PhPr 861b	Drug Literature Evaluation – Research Methods	2	x	17 lecture hours	97
	PhSc 543/ CPH 543	Health Services Research Methods	3		15 lecture hours	5
	PhPr 885	Clinical Pharmacokinetics	3		1 lecture hour	88
	PhPr 861c	Drug Literature Evaluation - Applications	2		2 lecture hours	96
	PhPr 862	Writing a Proposal for Scientific Study	2		4 lecture hours	87
	PhPr 863	Quality Assurance and Medication Error Reduction	3	x	30 lecture hours	9
	PhSc 596e	Graduate Seminar – Pharmaceutical Economics, Policy, and Outcomes	1	x	5 lecture hours	12

Year	Course Number	Course Title	Credits	Coordinator	Lecture/Lab Hours	Students Enrolled
2011	PhPr 863a	Quality Assurance and Medication Error Reduction	2	x	30 lecture hours	100
	PhPr 861b	Drug Literature Evaluation – Research Methods	2	x	17 lecture hours	97
	PhSc 543/ CPH 543	Health Services Research Methods	3		15 lecture hours	5
	PhSc 563a	Introduction to Healthcare Quality and Safety	3	x	15 lecture hours	5
	PhPr 863b	Quality Assurance and Medication Error Reduction Lab	1	x	90 lab hours	94
	PhSc 611	Introduction to College Teaching	2	x	30 lecture hours	4
2011	PhPr 862	Writing a Proposal for Scientific Study	2		4 lecture hours	87
		Teaching Scholars Program			1 lecture hour	8

2012	PhPr 863b	Quality Assurance and Medication Error Reduction Lab	1	x	90 lab hours	98
	PhSc 611	Introduction to College Teaching	2	x	30 lecture hours	5
	PhPr 862	Writing a Proposal for Scientific Study	2		4 lecture hours	87
	PHSC 621	Patient Reported Outcomes	3		9 lecture hours	5
	PhPr 861b	Drug Literature Evaluation – Research Methods	2	x	17 lecture hours	97
	PhSc 543/ CPH 543	Health Services Research Methods	3		15 lecture hours	5
	PhPr 863a	Quality Assurance and Medication Error Reduction	2	x	30 lecture hours	100
	PhSc 596e	Graduate Seminar – Pharmaceutical Economics, Policy, and Outcomes	1	x	5 lecture hours	18
		Teaching Scholars Program			1 lecture hour	8
	PhPr 895b	Preparation for Rotation	1		2 lecture hours	98
2013	PhSc 611	Introduction to College Teaching	2	x	30 lecture hours	6
	PhPr 862	Writing a Proposal for Scientific Study	2		4 lecture hours	97
	PHSC 621	Patient Reported Outcomes	3		9 lecture hours	7
	PhPr 863b	Quality Assurance and Medication Error Reduction Lab	1	x	90 lab hours	100
	PhPr 899	IPEP Quality and Safety Team Pilot	3	x	135 lab hours	6
		Teaching Scholars Program			1 lecture hour	8
	PhPr 861b	Drug Literature Evaluation – Research Methods	2	x	17 lecture hours	100
	PhSc 543/ CPH 543	Health Services Research Methods	3		15 lecture hours	6
	PhPr 863a	Quality Assurance and Medication Error Reduction	2	x	30 lecture hours	100
	PhPr 895b	Preparation for Rotation	1		2 lecture hours	98
	PHSC 513	Health Technology Assessment 1	3		3 lecture hours	6
2014	PhPr 887	Individualized Medicine & Applied Pharmacogenetics	3		3 videos	100
	PhSc 611	Introduction to College Teaching	2	x	30 lecture hours	3
	PhPr 862	Writing a Proposal for Scientific Study	2		4 lecture hours	100
	PHSC 621	Patient Reported Outcomes	3		9 lecture hours	1
	PhPr 863b	Quality Assurance and Medication Error Reduction Lab	1	x	90 lab hours	100
	PhPr 861a	Drug Literature Evaluation – Statistical Methods	2		1 lecture hour	100
	PhPr 861b	Drug Literature Evaluation – Research Methods	2	x	17 lecture hours	100

	PhSc 543/ CPH 543	Health Services Research Methods	3		15 lecture hours	
	PhPr 863a	Quality Assurance and Medication Error Reduction	2	x	30 lecture hours	
	PhPr 895b	Preparation for Rotation	1		2 lecture hours	
	PHSC 513	Health Technology Assessment 1	3		3 lecture hours	
		Teaching Scholars Program - Teaching portfolios			1 lecture hour	
	BMI 501	Introduction to Clinical Informatics (Graduate)			1 lecture hour	

Year	Course Number	Course Title	Credits	Coordinator	Lecture/Lab Hours	Students Enrolled
2015	PhPr 862	Writing a Proposal for Scientific Study	2		4 lecture hours	100
	PhPr 863b	Quality Assurance and Medication Error Reduction Lab	1	x	90 lab hours	100
		Teaching Scholars Program - Careers in academia			1 lecture hour	
		Teaching Scholars Program - Course and curriculum development; CAPE and ACPE			1 lecture hour	
		Teaching Scholars Program - Scholarship of teaching			1 lecture hour	
	BMI 501	Introduction to Clinical Informatics (Graduate)			1 lecture hour	
	PhSc 596e	Graduate Seminar – Pharmaceutical Economics, Policy, and Outcomes	1	x	5 lecture hours	18
	BMI 201	Introduction to Clinical Informatics (Undergraduate)			1 lecture hour	
2015	PhPr 863a	Quality Assurance and Medication Error Reduction	2	x	30 lecture hours	
	PhPr 895b	Preparation for Rotation	1		2 lecture hours	100
	PhPr 861b	Drug Literature Evaluation – Research Methods	2		2 lecture hours	100
	PhSc 543/ CPH 543	Health Services Research Methods	3		6 lecture hours	
2016	PhPr 862	Writing a Proposal for Scientific Study	2		4 lecture hours	100
	PhPr 863b	Quality Assurance and Medication Error Reduction Lab	1	x	90 lab hours	100
		Teaching Scholars Program - Course and curriculum development; CAPE and ACPE			1 lecture hour	
		Teaching Scholars Program - Scholarship of teaching			1 lecture hour	
	PhSc 611	Introduction to College Teaching	2	x	30 lecture hours	

	PhSc 621	Patient Reported Outcomes	3	x	9 lecture hours	
	BMI 201	Introduction to Clinical Informatics (Undergraduate)			1 lecture hour	
	PhPr 863a	Quality Assurance and Medication Error Reduction	2	x	30 lecture hours	120
	PhPr 895b	Preparation for Rotation	1		2 lecture hours	100
	PhPr 861b	Drug Literature Evaluation – Research Methods	2		2 lecture hours	120
		Teaching Scholars Program - Careers in academia			1 lecture hour	
	BMI 501	Introduction to Clinical Informatics (Graduate)			1 lecture hour	
2017	PhPr 862	Writing a Proposal for Scientific Study	2		4 lecture hours	100
	PhPr 863b	Quality Assurance and Medication Error Reduction Lab	1	x	90 lab hours	120
		Teaching Scholars Program - Course and curriculum development; CAPE and ACPE			1 lecture hour	
		Teaching Scholars Program - Scholarship of teaching			1 lecture hour	
	BMI 201	Introduction to Clinical Informatics (Undergraduate)			1 lecture hour	100
	PhPr 863a	Quality Assurance and Medication Error Reduction	2	x	30 lecture hours	120
	PhPr 895b	Preparation for Rotation	1		2 lecture hours	100
	PhPr 861b	Drug Literature Evaluation – Research Methods	2		2 lecture hours	120
		Teaching Scholars Program - Careers in academia			1 lecture hour	
	BMI 501	Introduction to Clinical Informatics (Graduate)			1 lecture hour	
	PhSc 596e	Graduate Seminar – Pharmaceutical Economics, Policy, and Outcomes	1	x	5 lecture hours	18
2018	PhSc 611	Introduction to College Teaching	2	x	30 lecture hours	
	PhPr 863b	Quality Assurance and Medication Error Reduction Lab	1	x	90 lab hours	
	PhPr 862	Writing a Proposal for Scientific Study	2		4 lecture hours	100
		Teaching Scholars Program - Course and curriculum development; CAPE and ACPE			1 lecture hour	
		Teaching Scholars Program - Scholarship of teaching			1 lecture hour	
		Teaching Scholars Program - Careers in academia			1 lecture hour	
	PHSC ??	Medication Errors Current Status and Challenges	3		3 lecture hours	?
2019	PhSc 61	Introduction to College Teaching	2	x	30 lecture hours	
	PhPr 86 b	Quality Assurance and Medication Error Reduction Lab	1	x	90 lab hours	

	PhPr 862	Writing a Proposal for Scientific Study	2		4 lecture hours	100
		Teaching Scholars Program - Course and curriculum development; CAPE and ACPE			1 lecture hour	
		Teaching Scholars Program - Scholarship of teaching			1 lecture hour	
		Teaching Scholars Program - Careers in academia			1 lecture hour	
		Medication Errors Current Status and Challenges	3		3 lecture hours	

Advising

Year	Track	Advising Topic	Number of Students
2005	Professional	General Advising	7
2006	Professional	General Advising	17
2007	Professional	PhPr 896a: Pharmacy Practice Project	11
	Professional	General Advising	10
2008	Graduate	General Advising	1
	Professional	PhPr 896a: Pharmacy Practice Project	14
	Professional	General Advising	10
2009	Graduate	General Advising	2
	Professional	PhPr 896a: Pharmacy Practice Project	4
	Professional	General Advising	10
2010	Graduate	General Advising	2
	Professional	PhPr 896a: Pharmacy Practice Project	3
	Professional	General Advising	10
2011	Graduate	General Advising	5
	Professional	PhPr 896a: Pharmacy Practice Project	15
2012	Graduate	General Advising	5
	Professional	PhPr 896a: Pharmacy Practice Project	12
2012	Graduate	General Advising	5
	Professional	PhPr 896a: Pharmacy Practice Project	12
2013	Graduate	General Advising	8
	Professional	PhPr 896a: Pharmacy Practice Project	20
2014	Graduate	General Advising	10
	Professional	PhPr 896a: Pharmacy Practice Project	27
2015	Graduate	General Advising	5
	Professional	PhPr 896a: Pharmacy Practice Project	40
2016	Graduate	General Advising	5
	Professional	PhPr 896a: Pharmacy Practice Project	40

2017	Graduate	General Advising	5
	Professional	PhPr 896a: Pharmacy Practice Project	20
2018	Graduate	General Advising	9
	Professional	PhPr 896a: Pharmacy Practice Project	6
2019	Graduate	General Advising	9
	Professional	PhPr 896a: Pharmacy Practice Project	10

Individual Student Contact

Independent studies directed last 5 years

Year	Course Number	Course Title	Credits	Coordinator	Students Enrolled
2006	PhPr 900/899/699/599	Independent Study	3	x	2
2007	PhPr 900/899/699/599	Independent Study	3	x	4
2008	PhPr 900/899/699/599	Independent Study	2	x	3
2009	PhPr 900/899/699/599	Independent Study	6	x	2
2010	PhPr 900/899/699/599	Independent Study	13	x	10
2011	PhPr 900/899/699/599	Independent Study	15	x	9
2012	PhPr 900/899/699/599	Independent Study	18	x	6
2013	PhPr 900/899/699/599	Independent Study	18	x	12
2014	PhPr 900/899/699/599	Independent Study	18	x	16
2015	PhPr 900/899/699/599	Independent Study	32	x	5
2016	PhPr 900/899/699/599	Independent Study	32	x	5
2017	PhPr 900/899/699/599	Independent Study	30	x	5
2018	PhPr 900/899/699/599	Independent Study		x	5
2019	PhPr 900/899/699/599	Independent Study		x	5

Clinical Instruction

Year	Course Number	Course Title	Credits	Coordinator	Students Enrolled
2005	PhPr 810e/8151 /815k	PharmD Student Clerkship	5 per student		1
2006	PhPr 810e/8151 /815k	PharmD Student Clerkship	5 per student	x	10
2007	PhPr 810e/8151 /815k	PharmD Student Clerkship	5 per student	x	4
2008	PhPr 810e/8151 /815k	PharmD Student Clerkship	5 per student	x	4

2009	PhPr 810e/8151 /815k	PharmD Student Clerkship (PhPr 810e Outpatient Practice, PhPr 8151 Research, or PhPr 815k administrative)	5 per student	x	2
	PhPr 801	Introductory Pharmacy Practice Experience	4		1
		Resident Teaching Rotation			1
2010	PhPr 810e/8151 /815k	PharmD Student Clerkship (PhPr 810e Outpatient Practice, PhPr 8151 Research, or PhPr 815k administrative)	5 per student	x	2
		Resident Teaching Rotation			1
2011	PhPr 810e/8151 /815k	PharmD Student Clerkship (PhPr 810e Outpatient Practice, PhPr 8151 Research, or PhPr 815k administrative)	5 per student	x	3
2012	PhPr 810e/8151 /815k	PharmD Student Clerkship (PhPr 810e Outpatient Practice, PhPr 8151 Research, or PhPr 815k administrative)	5 per student	x	3
		Resident Teaching Rotation			2
		Fulbright Fellow		x	1
2013	PhPr 810e/8151 /815k	PharmD Student Clerkship (PhPr 810e Outpatient Practice, PhPr 8151 Research, or PhPr 815k administrative)	5 per student	x	5
		Resident Teaching Rotation			3
2014	PhPr 810e/8151 /815k	PharmD Student Clerkship (PhPr 810e Outpatient Practice, PhPr 8151 Research, or PhPr 815k administrative)	5 per student	x	7
		Resident Teaching Rotation			4
2015	PhPr 810e/8151 /815k	PharmD Student Clerkship (PhPr 810e Outpatient Practice, PhPr 8151 Research, or PhPr 815k administrative)	5 per student	x	7
		Resident Teaching Rotation			3
2016	PhPr 810e/8151 /815k	PharmD Student Clerkship (PhPr 810e Outpatient Practice, PhPr 8151 Research, or PhPr 815k administrative)	5 per student	x	7
		Resident Teaching Rotation			3
		Foreign Certificate Students			3
2017	PhPr 810e/8151 /815k	PharmD Student Clerkship (PhPr 810e Outpatient Practice, PhPr 8151 Research, or PhPr 815k administrative)	5 per student	x	

		Resident Teaching Rotation			
		Foreign Certificate Students			
2018	PhPr 810e/8151 /815k	PharmD Student Clerkship (PhPr 810e Outpatient Practice, PhPr 8151 Research, or PhPr 815k administrative)	5 per student	x	
		Resident Teaching Rotation			
2019	PhPr 810e/8151 /815k	PharmD Student Clerkship (PhPr 810e Outpatient Practice, PhPr 8151 Research, or PhPr 815k administrative)	5 per student	x	
		Resident Teaching Rotation			

Theses completed

Student	Thesis Title	Degree	Date
Ana Lucia Hincapie	Arizona medical information exchange (AMIE) proof of concept evaluation	MS	2009
Derek Tang	Evaluating and comparing the science of safety concepts integrated in the experiential education curricula of pharmacy professional degrees in the United States and Taiwan	MS	2010
Ana-Lucia Hincapie	Relationship between patient safety and service quality: A multinational comparative analysis	PhD	2013
Derek Tang	A longitudinal study on healthcare utilization, costs, and health outcomes associated with newly diagnosed epilepsy among Arizona seniors	PhD	2013
Chanadda Chinthammit	Effectiveness and efficiency of the Pharmacy Quality Commitment System in a community pharmacy chain: A randomized controlled trial	MS	2014
Lorenzo Villa	Predictive modeling using a nationally representative database to identify microalbuminuria and a cross validation using a urologic local patient database	PhD	2014
Jill Augustine	Development of a Skills Case Study & Education of Student Pharmacists on Business, Management and Human Resource skills	PhD	2016
Amanda Harington (Co-Advisor)	Evaluation of a Pay-for-Performance Financial Incentive Program to Improve Community Pharmacy Services	PhD	2016
Rhys Axon	Development and validation of a tool to calculate an exposure score for all pain self-management strategies used by individuals with chronic pain	MS	2017
Chanadda Chinthammit	Risk adjustment and use of high risk medications among elderly Medicare beneficiaries with prescription drug coverage	PhD	2018
Patrick Campbell	To be determined	PhD	2019
Rhys Axon	To be determined	PhD	2019
Srujitha Marupuru	To be determined	MS	2019
Lea Mollon	To be determined	PhD	2019
Shannon Vaffis	To be determined	PhD	2020
Harman Dhatt	To be determined	PhD	2020

Service on dissertation committees, other than as primary advisor

Student	Thesis Title	Degree	Date
Greg Daniels	An evaluation of a payer-based electronic health record in an emergency department on quality, efficiency, and cost of care	PhD	2008
Kimberly Saverno	Impact of Medicare Part D on pharmaceutical and medical utilization in Arizona's dual eligible population	PhD	2011
Adrienne Gilligan	Racial and ethnic disparities in the cost of care across four state Medicaid populations with Alzheimer's disease	MS	2011
Alex Mutebi	Optimizing Information Through Response Scaling in Patient-Reported Outcomes (PRO) Instrument Development	PhD	2013
Miranda Katherine Fair	An assessment of a new e-prior authorization procedure	BPH	2015
Diana Sun	Characterizing Response Patterns to Ranizumab therapy in Patients with Wet AgeRelated Macular Degeneration: A Latent Class Growth Analysis	PhD	2015
Rebecca Rjastrzab	Pharmacists Assisting the Community: A Medication Therapy Management Program to Help Control Chronic Disease	MPH	2015
Wendy Tate	Evaluation of Efficiency in the Activation and Accrual of Interventional Clinical Trials at NCI Designated Cancer Centers	PhD	2016
Kristin Khalef	Measurement Properties of the Short Form 36 Health Survey in a Sample of Patients with Multiple Sclerosis	PhD	2016
Alejandra Aguilar	To be determined	MS	2017
Queeny Ip	Evaluation of Geographic Variation in Health Care Among Medicare Beneficiaries with Epilepsy	PhD	2017
Seth Anderson	The association between opioid use for low back pain and Emergency Department length of stay: A cross-sectional study	MS	2018
Elizabeth Anderson	To be determined	DrPH	2018
Mira Patel	Evaluating the Psychometric Properties and Determining Clinical Meaningfulness of the Psoriasis Symptom Inventory	PhD	2018
Tristen H. Jackson	Pharmacy Pay-for-Performance: An evaluation of healthcare plan strategies, pharmacist attitudes, and financial impact on retail stores	PhD	2017
Preshit Ambade	To be determined	DrPH	2018
Prashanthinie Mohan	To be determined	DrPH	2018

Grants

Industry

1. \$38,200 Cash and In-Kind Contributions "Quality Assurance Class Project." Pharmacists' Mutual Insurance Company, 2002. Jackson TL.♦ Role: PI.
2. \$40,000 Cash and In-Kind Contributions "Quality Assurance Class Project." Pharmacists' Mutual Insurance Company, 2003. Jackson TL.♦ Role: PI.

3. \$1,500 “Quality Assurance Class Project.” Pharmacists’ Mutual Insurance Company, 2004. Jackson TL.♦ Role: PI.
4. \$1,000 In-kind donation “Quality Assurance Class Project.” Panera Bread Company, 2004. Jackson TL.♦ Role: PI.

Private Foundations

1. \$44,263 “Educating Pharmacy Students and Pharmacists to Improve Quality.” The Pharmacy Quality Alliance. 2008. Warholak TL, West D, Holdford D. Role: PI. 20% effort.
2. \$7,500 “Quality and Safety Pilot Project.” University of Arizona Interprofessional Education and Practice (IPEP). 2013. Warholak TL. Role: PI. 10% effort.
3. \$44,263 “Revising the Educating Pharmacy Students and Pharmacists to Improve Quality Program.” The Pharmacy Quality Alliance. 2014. Warholak TL, Holdford D, Hincapie A, Arya V, West D. Role: PI. 20% effort.

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- Tx5-699-120 “Evaluation of Systematic Process for Conducting Prospective Drug Utilization Review,” April 29, 2003.