2019 Research Report
A Comprehensive Summary through 2018

SinfoniaRx
A Tabula Rasa HealthCare Company
At SinfoníaRx, research is essential to improving patient-related health outcomes and strengthening our business intelligence through ongoing quality improvement. The SinfoníaRx Research Strategy Committee strives to ensure that our deliverables support the company’s mission of improving the lives of patients with chronic and complex illnesses. Through these efforts, SinfoníaRx continues to uphold its reputation as a leader in medication therapy management and to provide the highest quality healthcare for our patients.

Our company’s nationwide team, including research collaborators from the University of Arizona College of Pharmacy and Ohio State University’s Institute of Therapeutic Innovations & Outcomes, continually distinguish ourselves in numerous professional arenas via their scholarly presentations and publications. We are frequently consulted by nationally and internationally recognized organizations and esteemed peer-reviewed journals to serve as subject matter experts. Furthermore, our ability to leverage multi-institutional collaborations is unique and something to celebrate.

To date in 2018, our national team has held more than 30 leadership roles in professional organizations and for leading journals. Through active participation in these organizations, SinfoníaRx gains leverage as a result of its partnerships, knowledge of upcoming performance measure changes and ongoing research efforts, further distinguishing ourselves as key stakeholders in the future of medication therapy management.

In just one year, SinfoníaRx exponentially increased its presence in the research community with a total of 40 presentations at professional meetings and conventions. Furthermore, since the first call center was established in 2006, our team has provided an impressive 130 presentations.

In response to achieving key performance indicators, SinfoníaRx excelled at publishing their research in 2018. The team proudly featured their 16 publications in renowned journals, including the American Journal of Health-System Pharmacists, American Journal of Managed Care and Specialty Pharmacy, Annals of Internal Medicine, Clinical Diabetes, Journal of the American College Clinical Pharmacy, Journal of Medical Internet Research mHealth and uHealth and Pharmacy Today. Since 2006, we have published more than 50 articles and abstracts and have an aggressive plan to expand their presence through continued dissemination efforts in professional arenas in future years.

A true reflection of our respected reputation in the pharmacy community is seen in our vast number of professional accolades achieved in 2018. Congratulations to the SinfoníaRx, University of Arizona College of Pharmacy, and nationwide call center team members that received more than 14 awards this year!
Meet Our Research Team

Research Strategy Committee

Sandra Leal, PharmD, MPH, FAPhA, CDE
Chief Executive Officer
SinfoniaRx

Rose Martin, PharmD, V.P. Pharmacy Operations
SinfoniaRx

Nicole Scovis, PharmD, BCPS, BCACP
Clinical Program Innovation Director
SinfoniaRx

Ann Taylor, MPH, MCHES
Program Manager
University of Arizona College of Pharmacy

Terri Warholak, PhD, RPh, CPHQ, FAPhA,
Professor and Assistant Dean, Academic Affairs and Assessment
University of Arizona College of Pharmacy

Jeniece Roher, CIPP/US, CIPP/G, MCM
Regulatory Affairs Director, Chief Compliance Officer
Tabula Rasa HealthCare

Kevin Boesen, PharmD
Chief Sales Officer
Tabula Rasa HealthCare

Jenny Bingham, PharmD, BCACP
Clinical Pharmacy Specialist, Adherence Czar
SinfoniaRx

Ann Taylor, MPH, MCHES
Program Manager
University of Arizona College of Pharmacy

Jenny Bingham, PharmD, BCACP
Clinical Pharmacy Specialist, Adherence Czar
SinfoniaRx

Sandra Leal, PharmD, MPH, FAPhA, CDE
Chief Executive Officer
SinfoniaRx

Research Strategy Committee

Multi-Institutional Research Team Members

Armando Silva Almodovar, PharmD
The Ohio State University College of Pharmacy

Elizabeth Anderson, MPH
University of Arizona Mel and Enid Zuckerman College of Public Health

Daniel Arku, MS, GCPM
University of Arizona College of Pharmacy

Rhys Axon, MPharm, MS
University of Arizona College of Pharmacy

Harman Dhatt, PhD
University of Arizona College of Pharmacy

Chanadda Chinthammit
University of Arizona College of Pharmacy

Breanne Lott, MPH
University of Arizona College of Pharmacy

Srujitha Marupuru, PharmD
University of Arizona College of Pharmacy

Milap Nahata, MS, PharmD
The Ohio State University College of Pharmacy

Shannon Vaffis
University of Arizona College of Pharmacy

Patrick Campbell, PharmD, PhD
University of Arizona College of Pharmacy
The Research Strategy Committee sets goals to meet key performance indicators each year. The charts below represent SinfoniaRx’s **strong and consistent improvements** each year. Leading into 2019, SinfoniaRx is planning to submit nearly **20** manuscripts to be considered for publication. In addition, there are plans to present **18** or more research initiatives at national conferences.


15. **Silva Almodovar A**, Surve S, **Axon DR**, Cooper D, **Nahata MC**. Self-Directed Engagement with a Mobile App (Sinasprite) and Its Effects on Confidence in Coping Skills, Depression, and Anxiety: Retrospective Longitudinal Study. Journal of Medical Internet Research mHealth and uHealth. 2018;6(3):e64.


31. **Campbell P,** Harrington A, **Leal S.** Integrated, Interprofessional Behavioral Health Model in a Primary Care Clinic. Presented, in part, at the Academy of Managed Care Pharmacy, San Francisco, CA. Journal of Managed Care and Specialty Pharmacy. April 2016; 22: No. 4-a. DOI: 10.18553/jmcp.2016.22.4.S1


48. Perera PN, Guy MC, Sweeney AM, Boesen KP. Evaluation of Prescriber Responses to Pharmacist Recommendations Communicated by Fax in a Medication Therapy Management Program (MTMP). J Manag Care Pharm. 2011;17(5):345-54


Presentations


7. **Forbes S**. The Medicare Talk. Lecture provided at the University of Arizona College of Pharmacy Beginning Pharmacy Practice Course. Tucson, AZ; November 2018. (encore presentation from February 2018).


11. **Forbes S**. Implementing the Pharmacist’s Patient Care Process: Lessons Learned from Nursing Education. Podium presentation at the American Society of Health Systems Pharmacists National Pharmacy Preceptors Conference. Dallas, TX; October 2018.


15. **Lipsy R**. New Drugs and Pipeline Drugs. Podium presentation at the Western Medicaid Pharmacists Administrators Association Meeting. AZ; September 2018.


23. **Tetuan C.** Determining the Most Appropriate Treatment and Duration for Anticoagulant, Antiplatelet, or both Classes of Medication. Podium presentation at the Arizona Pharmacy Association’s Annual Convention. Chandler, AZ; June 2018.


25. **Dileo J.** Caring for Older Adults: Geriatric Pearls. Podium presentation at the Arizona Pharmacy Association’s Annual Convention. Chandler, AZ; June 2018.


27. **Campbell P.** Use patterns of an electronic medication therapy management (MTM) platform in a nationwide mass merchant retail pharmacy setting. Presented at the PQA Annual Meeting. Baltimore, MD; May 2018.

28. **Campbell P.** 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.


32. **Bingham J, Dileo J.** Arizona Pharmacy Association (AzPA). “Improving Continuum of Care Post Hospital Discharge with Medication Therapy Management”, ACPE accredited. Tucson, AZ; April 2018.


50. **Scovis N.** Assessing pharmacist impact on pharmacogenomic testing implementation in a primary care setting. Poster presented at the American Society of Health-System Pharmacists Summer Meeting. Minneapolis, MN; June 2017.


67. **Sullivan D.** Staying Healthy with Your Heart Medications. Podium presentation at Sun Health Community Outreach. Faith Presbyterian Church. Sun City, AZ; February 2017.

68. **Dileo J.** Caring for Older Adults: Navigating the World of Geriatrics. Webinar provided for the American Society for Medication Therapy Management. October 2016.

69. **Scovis N.** Implementing Precision Medicine into Primary Care. Continuing education presentation at the Academy of Managed Care Pharmacy Nexus Meeting. National Harbor, MD; October 2016.


71. **Johnson K, Taylor A, Martin R, Boesen K.** Innovative Methods to Expand Medication Therapy Management (MTM) Services: Coupling Interprofessional Team-delivered MTM Services with Integration of Onsite Providers and Support Staff. Poster presented at the Academy of Managed Care Pharmacy Nexus Meeting. National Harbor, MD; October 2016.

72. **Sullivan D.** Medications and Your Fall Risk. Podium presentation at Stand Up to Falling Down – a Screening and Awareness Event. Sun Health Foundation. Surprise, AZ; September 2016.


77. **Zuo S.** Vitamin D Deficiency in Patients of an Integrated Mental Health Clinic. Presented at the Western States Conference Meeting, AZ; May 2016.


89. Sullivan D. Medications and Your Fall Risk. Podium presentation at Stand Up to Falling Down – a Screening and Awareness Event. Sun Health Foundation. Surprise, AZ; September 2015.

90. Zuo S. ABCD’s of E-Cigarettes. Podium presentation at the Arizona Pharmacy Association Fall Conference, AZ; September 2015.


106. **Scovis N**. JNC 8: Clear answers at last? Podium presentation at the Arizona Pharmacy Association Southwestern Clinical Conference. Tucson, AZ; February 2015.


122. Scovis N. How to Transform Knowledge Gained in the Classroom to Excellent Patient Care. Student track programming at the Arizona Pharmacy Association Annual Meeting. Litchfield Park, AZ; July 2012.


Celebrating Over 130 Research Presentations!

El Rio/The Wright Center Virtual Health Research Fair
(Pictured: Patrick Campbell. 2018 Presentation Award)

- Presentation Award- 2018
- Innovation Award- 2017
- Presentation Awards- 2017
- Relevance Award- 2016

Academy of Managed Care Pharmacy
(Pictured left to right: Armando Silva Almodovar, Sterling Harpst)

- Gold Medal Winning Abstract- 2018
- Gold Medal Winning Abstract- 2015
- Bronze Medal Winning Abstract- 2015
Pending Publications


4. Axon D, Vo D, Bingham J. Initial Assessment of an Interprofessional Team-delivered Telehealth Program for Patients with Epilepsy. (in progress).


2018 Professional Leadership Affiliations

Rhys Axon, MPharm, MS

- Reviewer, Pharmacy Journal
- Reviewer, Pharmacy Education Journal
- Poster Reviewer, Pharmacy Quality Alliance Annual Meeting
- Abstract Reviewer, American Association of Colleges of Pharmacy
- Facilitator, Pharmacy Quality Alliance Scholars Session
- Vice President, University of Arizona’s International Society for Pharmacoeconomics and Outcomes Research Student Chapter
- Invited Speaker, Health Outcomes and Pharmacoeconomic Research Training Program

Jenny Bingham, PharmD, BCACP

- Chair, American Pharmacists Association Telehealth Special Interest Group
- Past-Chair, Arizona Pharmacy Association Mentor Connection Program
- Member, Arizona Pharmacy Association Scope of Practice Task Force Committee

Kevin Boesen, PharmD

- Corporate Sponsor, Academy of Managed Care Pharmacy Medication Therapy Management Advisory Group

Jonathan Bosold, PharmD

- Member, Pharmacy Quality Alliance Opioid Measure Development Committee

Kristin Calabro, PharmD

- Co-Chair, American Pharmacists Association Telehealth Special Interest Group

Ashley Coleman, PharmD

- Coordinator, American Pharmacists Association Medication Management Special Interest Group

Jessica DiLeo, PharmD, BCACP, BCGP

- President, Arizona Pharmacy Association

Stephanie Forbes, PharmD

- Task Member, Academy of Managed Care Pharmacy Schools of Pharmacy Relations Committee
- Panelist, Advancing Team-Based Care: Use of the Pharmacist Patient Care Process and Collaborative Practice Agreements

Patrick Hryshko, PharmD

- Director at Large, Arizona Pharmacy Association
- Treasurer & Secretary, Kappa Psi Arizona Graduate Chapter
- Assistant Supervisor, Kappa Psi Southwest Province
- Co-chair, Kappa Psi National Risk Management Committee

Melissa Johnson, PharmD, BCACP

- Elected member, Arizona Diabetes Leadership Council
Sandra Leal, PharmD, MPH, CDE

- Vice Chair, Board of Directors - Alliance for Integrated Medication Management
- Board of Trustee, American Pharmacists Association
- Board Liaison, American Pharmacists Association Government Affairs Committee

Lorraine Mobley

- Board of Directors, Alachua County Association of Pharmacists
- Faculty Advisor, American Society of Consultant Pharmacists University of Florida Chapter

Kevin Reger, CPhT

- Director at Large, Arizona Pharmacy Association

Nicole Scovis, PharmD, BCPS, BCACP

- Reviewer, American College of Clinical Pharmacy Student, Resident, and Fellow Curriculum Vitae Review Program
- Reviewer and Contributor, American Pharmacists Association Clinical Guidelines Resource
- Reviewer, American Society of Health-System Pharmacists Curriculum Vitae Review Program
- Member, Arizona Pharmacy Association Scope of Practice Task Force Committee

Ann Taylor, MPH, MCHES

- Reviewer, Academy of Managed Care Pharmacy Journal
- Reviewer, International Journal of Pharmacy
- Reviewer, Pharmacy Practice Journal

Terri Warholak, PhD, RPh, CPHQ, FAPhA

- APhA Representative, United States Pharmacopeial Convention Healthcare Quality Expert Committee
- Chair, United States Pharmacopeial Convention Naloxone Sub-committee
- Vice-Chair, United States Pharmacopeial Convention Healthcare Quality Expert Committee
- Reviewer, Pharmacy Quality Alliance Annual Meeting Poster & Abstracts
- Reviewer, Pharmacy Quality Alliance Healthcare Quality Innovation Challenge
- Co-chair, Pharmacy Quality Alliance Research Coordinating Committee
- Administrative Delegate, American Association of Colleges of Pharmacy House of Delegates
- Reviewer, American Pharmacists Association Annual Meeting Abstracts, APPM and ESAS sections
- Judge, American Pharmacists Association Annual Meeting Poster Presentations, ESAS Section
- Reviewer, Multiple Peer Reviewed Journals
2018 Student Leadership Affiliations

Shawna Fox
Vice President, University of Florida American Society of Consultant Pharmacists

Patrice Gabriel
President, University of Florida American Society of Consultant Pharmacists

Avital Gurman
Policy Chair, Student Society of Health-Systems Pharmacy
Pharmacy Council Representative, Student College of Clinical Pharmacy
Social Chair, Rho Chi Honors Society

Hien Nguyen
Vice President of Philanthropy, Phoenix PediaCats
Challenge Coordinator, National Community Pharmacist Association

Natasha Parker
Secretary, Phi Delta Chi

Mitchell Telles
Chair, Student National Pharmaceutical Association Community Outreach Committee
2018 Professional Award Grantees

Armando Almodovar
- American College of Clinical Pharmacy, First Place Virtual Symposium Research Poster

Armando Almodovar, Sterling Harpst, Ashley Coleman, Milap Nahata
- Academy of Managed Care Pharmacy Annual Meeting, Gold Ribbon Award

Rhys Axon
- International Society for Pharmacoeconomics and Outcomes Research, Distinguished Service
- International Society for Pharmacoeconomics and Outcomes Research, Travel Grant
- International Society for Pharmacoeconomics and Outcomes Research, Outstanding Student Chapter Award
- Rho Chi Academic Honor Society in Pharmacy, Lifetime Member
- University of Arizona College of Pharmacy, Joseph B. Ryan Memorial Award

Patrick Campbell, Jenny Bingham, Kate Schussel, Sandra Leal
- El Rio-Virtual Health Fair, Presentation Poster Award

Meredith Diamond
- Hamilton, Harris & Hobbs Student Presidential Award

Jessica Dileo
- Arizona Pharmacy Association, Incoming President Award
- National Community Pharmacy Association, Pharmacy Leadership Award

Christopher Edmonds
- Arizona Pharmacy Association, Exemplary Patient Care Award

Sandra Leal
- Midwestern University Phi Lambda Sigma Beta Tau Chapter Induction Ceremony, Keynote Speaker
- President-Elect Candidate, American Pharmacists Association 2020-2021

Lorraine Mobley, RPh, CPh
- Florida Pharmacy Association, Frank Toback/AZO Consultant Pharmacist Award

James Montague
- Arizona Pharmacy Association, Distinguished Young Pharmacist Award

Fred Neasham
- SinfoniaRx, Pillar Award

Kevin Reger
- Arizona Pharmacy Association, Technician of the Year

Kate Schussel
- SinfoniaRx, Pillar Award

Sarah Wheeler
- American Pharmacists Association Academy of Student Pharmacists, National Patient Counseling Competition Winner

This report was prepared as a result of the valuable contributions of the faculty and staff of SinfoniaRx, The University of Arizona College of Pharmacy, Ohio State University’s Institute of Therapeutic Innovations & Outcomes and the nationwide call centers. For more information regarding this report or research at SinfoniaRx, please contact Jenny Bingham at JMBingham@sinfoniarx.com.