

CURRICULUM VITAE

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JANUARY 2025

TABLE OF CONTENTS

I. PRESENT POSITIONS	3
II. PAST POSITIONS	3
III. EDUCATION	3
IV. HONORS & RECOGNITIONS.....	3
IV. RESEARCH SPECIALIZATION	5
V. PUBLICATIONS & PRESENTATIONS	5
VI. GRANTS & FUNDING AWARDS.....	19
VII. EXTRAMURAL FELLOWSHIPS, POSTGRAD TRAINING, & OTHER RESEARCH EXPERIENCE	21
VIII. TEACHING EXPERIENCE.....	22
IX. CONSULTING EXPERIENCE.....	24
X. PROFESSIONAL MEMBERSHIP & SERVICE	24
XI. PHARMACY PRACTICE EXPERIENCE	30
XII. OTHER WORK EXPERIENCE.....	33
XIII. OTHER SERVICE.....	33
XIV. SKILLS.....	33
XV. REFERENCES	34

I. PRESENT POSITIONS

2025-present **Geisinger** – Associate Professor

- Departments: Investigational Medicine, Pharmacy
- Centers: Pharmacy Innovation and Outcomes, Kidney Health Research
- Practice: Ambulatory Clinical Pharmacist - Specialty Pharmacy Services

2025-present **University of Minnesota, College of Pharmacy** – Adjunct Faculty, Department of Pharmacy Practice and Pharmaceutical Sciences

2023-present **University of Minnesota, Medical School** – Affiliate Faculty, Memory Keepers Medical Discovery Team

2016-present **Essentia Health** – Outpatient Pharmacist (casual)

II. PAST POSITIONS

2020-2025 **Essentia Institute of Rural Health (EIRH)** – Research Scientist II

2016-2021 **Cub Foods Pharmacy** – Pharmacist (casual)

2016-2020 **University of Minnesota, College of Pharmacy** – Course Director, Teaching Specialist

III. EDUCATION

2020 Ph.D. – University of Minnesota, College of Pharmacy, Minneapolis MN

- Social & Administrative Pharmacy (SAPh) Graduate Program

2015 Pharm.D. – University of Minnesota, College of Pharmacy, Duluth MN

- Commencement Speaker

2009 M.Ed. – George Mason University, Fairfax VA

- Summa cum Laude
- Teach for America cohort

2007 B.A. – St. Olaf College, Northfield MN

- Magna cum Laude

IV. HONORS & RECOGNITIONS

2025 **Fellow of the American Pharmacists Association (FAPhA)**
Honor granted to select members of the American Pharmacists Association for exemplary professional achievements in professional practice and outstanding service to the profession. Recipients may utilize the FAPhA designation as a post-nominal.

2025 **On the Rise Leader Award** – University of Minnesota Alumni Association
Awarded to an individual who graduated from the University in the previous ten years who has demonstrated promising contributions to their career, a spirit of service, and commitment to their community.

- 2024 **Dick Davidson NOVA Award** – American Hospital Association (AHA)
Awarded to Essentia Health’s community resource referral system “Resourceful” program (Co-PI) for outstanding collaboration by hospitals and health systems for healthier communities. One of five annual awardees.
- 2023 **Best Paper Award** - *Pharmacy: A Journal of Pharmacy Education and Practice*
Awarded for an article titled “Personalizing Personalized Medicine: The Confluence of Pharmacogenomics, a Person’s Medication Experience, and Ethics.”
- 2019 **Distinguished Young Pharmacist** – Minnesota Pharmacists Association
Sponsored by Pharmacists Mutual Companies to recognize one pharmacist from each state who earned a Pharm.D. in the last 10 years and distinguished themselves in pharmacy.
- 2017 **Albert Wertheimer Leadership Fellowship** – University of Minnesota, College of Pharmacy
Awarded annually to a graduate student showing desire to pursue leadership in pharmacy.
- 2016 **Hadsall Alumni Fellowship Award** – University of Minnesota, College of Pharmacy
Awarded by the Social & Administrative Pharmacy graduate faculty program to the top first-year graduate student for academic performance, scholarly activity, & engagement.
- 2015 **Lilly Achievement Award** – University of Minnesota, College of Pharmacy
For a graduating student pharmacist who exemplifies scholastic & professional achievement, leadership ability, & ethical conduct.
- 2015 **Bulldog Award** – University of Minnesota - Duluth
The University’s top service recognition for students, awarded annually to only three individuals whose outstanding service has positively affected the University community.
- 2014 **Excellence in Public Health Pharmacy Practice Award** – U.S. Public Health Service
Awarded by U.S. Deputy Surgeon General to student pharmacists who have made significant contributions to public health.
- 2014 **Cardinal Health Student Leader** – University of Minnesota, College of Pharmacy
The University of Minnesota’s representative at a Cardinal Health conference for “future leaders of pharmacy to develop their leadership and collaboration skills.”
- 2014 **Student of the Month** - Rho Chi Honor Society, University of Minnesota Chapter
Recognition by honor society whose mission is to encourage high scholastic achievement and fellowship among student pharmacists and to promote pharmaceutical sciences.
- 2013 **Michelle Mentzer Memorial Scholarship**
Annual scholarship awarded to a student pharmacist who demonstrates spirit, enthusiasm, and courage that inspires colleagues to make changes in pharmacy.
- 2012 **Peters Leadership Circle Scholarship** – University of Minnesota, College of Pharmacy
Awarded for strong communication skills and excellence leading a new initiative.
- 2007 **Special U.S. Congressional Recognition**, The United States Congress
For founding & leading a service program to rebuild the Gulf Coast after Hurricane Katrina.
- 2003 **Buntrock Scholarship**, St. Olaf College (\$96,000)
The top academic scholarship awarded <30 incoming students annually for outstanding academic accomplishment & exemplary achievement across the high school experience.

IV. RESEARCH SPECIALIZATION

My T3/T4 translational research investigates team-based, person-centered approaches and interventions for tailoring care throughout the life course of individuals and populations. This work is particularly applicable in underserved rural areas, often where pharmacists are the most accessible, affordable, and frequently encountered healthcare professionals. The work is grounded in person-centered care principles; practice-based research; health behavior theories; implementation science; the medication use process; health-related social needs; and cognitive, social, and behavioral psychology. Areas of research specialization include: (1) evaluation of pharmacist care preferences, expectations, experiences, and experiences (2) health services program evaluation, (3) health systems improvement, and (4) legislative, policy, and workforce effects on the delivery of pharmacist services in underserved rural communities. Findings from these areas of research contribute to: (a) the understanding of psychosocial factors mediating health behaviors, (b) design, development, and assessment of team-based approaches for tailoring pharmacist care within and adjacent to care encounters to promote health goal achievement, and (c) dissemination, implementation, and pragmatic evaluation of patient-reported and clinical outcomes.

V. PUBLICATIONS & PRESENTATIONS

Peer-Reviewed Publications Published or Accepted for Publication

1. Rossom RC, Haapala JL, Wright EA, [and 11 others, including **Olson AW**]. (Sep 2025). Patient impressions of messages and discussions about opioids and opioid use disorder in primary care. In press at *Hawaii International Conference on Systems Sciences*.
2. Rossom RC, Crain AL, Wright EA, **Olson AW**, [and 20 others]. (Jul 2025). Clinical decision support system for primary care of opioid use disorder: A randomized clinical trial. *JAMA Internal Medicine*. In Press. doi:10.0110/jamainternmed.2025.2535.
3. **Olson AW**, Allen N, Elmayan A, Green K, Harry M, Kempfert J, Maki H, Nelson S, St. John R, Witherspoon S, Rapps M. (May 2025). Getting inside the closed referral loop: A mixed methods study using a community-based participatory approach to explore the patient experience with a social care referral platform. *Health Services Research*, 60(53):e14451. doi:10.1111/1475-6773.14451
4. Schommer JC, Tieger PD, **Olson AW**, Lee S, Wilson G. (Feb 2025). Accuracy and applicability of a tool designed to address pharmacy personnel stress. *Journal of the American Pharmacists Association*, 65(2025):102296. doi:10.1016/j.japh.2024.102296
5. **Olson AW**, Pawloski PA, Miller MJ, Waring SC, Kuntz JL, Li X, Wong J, Wright EA. (Jan 2025). Collaborative pharmacy research across integrated health systems: A purpose and promise for opportunities to study the complete medication-use process. *American Journal of Health-System Pharmacy*, 82(2):120-126. doi:10.1093/ajhp/zxae266
6. **Olson AW**, Bucaloiu A, Allen CI, Tusing LD, Henzler-Buckingham HA, Gregor CM, Freitag L, Hooker SA, Rossom R, Solberg L, Wright E, Haller IV, Romagnoli KM. (Jan 2025). 'Do they care?': A qualitative examination of patient perspectives on primary care clinician communication related to opioids in the USA. *BMJ Open*, 15:e090462. doi:10.1136/bmjopen-2024-090462
7. Hooker SA, Starkey CM, Bart G, Rossom RC, **Olson AW**. (Oct 2024). Predicting buprenorphine adherence among patients with opioid use disorder in primary care settings. *BMC Primary Care*, 25(2024):361. doi:10.1186/s12875-024-02609-9

Peer-Reviewed Publications Published or Accepted for Publication (cont'd)

8. Zumach GM, Fierke KK, Lepp GA, McGugan B, Brooks MJ, **Olson AW**, Bartlett A, Karunaratne N, Exintaris B. (Aug 2024). Call to Action: Lead Pharmacy into the Next Decade of Scholarly Narration. *Innovations in Pharmacy*, 15(4). doi:10.24926/iip.v15i4.6265.
9. **Olson AW**, Brown JT. (Dec 2023). How pharmacogenomics informs and influences the medication experience. *Innovations in Pharmacy*, 14(4):7. doi:10.24926/iip.v14i4.5796.
10. **Olson AW**, Haapala J, Hooker SA, [and 8 others]. (Oct 2023). The potential impact of clinical decision support on non-waivered primary care clinicians' prescribing of buprenorphine. *Health Affairs Scholar*, 1(4):1-8. doi:10.1093/haschl/qxad051
11. Stratton TP, **Olson AW**. (Jun 2023). Personalizing personalized medicine: The confluence of pharmacogenomics, a person's medication experience, and ethics. *Pharmacy: A Journal of Pharmacy Education and Practice*, 11(3):101. doi:10.3390/pharmacy11030101
12. **Olson AW**, Burns AL. (Mar 2023). From patient-centered to person-centered: The pharmacist's role and value in community integrated care. *Journal of the American Pharmacists Association*, 63(3):736-741. doi:10.1016/j.japh.2023.03.003 [Corrigendum: 2025, doi:10.1016/j.japh.2025.102485]
13. Adekunle OA, **Olson AW**, Schommer JC, Brown LB. (Dec 2022). Investigation of predictors influencing patient-pharmacist relationship establishment. *Journal of the American Pharmacists Association*, 63(3):853-862. doi:10.1016/j.japh.2022.12.024
14. Adekunle OA, **Olson AW**, Schommer JC, Brown LB. (Dec 2022). Influence of the patient-pharmacist relationship on willingness to accept pharmacist-provided services. *Journal of the American Pharmacists Association*, 63(3):760-768.e1. doi:10.1016/j.japh.2022.12.016
15. Murry L, Urmie J, **Olson AW**. (Mar 2023). Item development for patient-centered care preferences using a three-archetype heuristic: An exploratory study. *Exploratory Research in Clinical and Social Pharmacy*. 9(2023):100251. doi:10.1016/j.rcsop.2023.100251
16. Van Hooser J & **Olson AW**. (Mar 2023). In-person or online? Comparing student pharmacists' perceived change in interprofessional skills between two delivery formats. *Pharmacy: A Journal of Pharmacy Education and Practice*. 11(2):55. doi:10.3390/pharmacy11020055
17. Rossom RC, Crain AL, O'Connor PJ, [and 17 others, including **Olson AW**]. (Nov 2022). Design of a pragmatic trial to improve screening and treatment of opioid use disorder in primary care. *Contemporary Clinical Trials*, 124(2023). doi:10.1016/j.cct.2022.107012
18. Hooker SA, Essien IJ, Borgert-Spaniol CM, Rossom RC, **Olson AW**, Romagnoli KM, Solberg LI. (Oct 2022). Patient perspectives on opioid risk discussions in primary care. *Journal of Patient-Centered Research and Reviews*, 9(4):253-262. doi:10.17294/2330-0698.1941
19. **Olson AW**, Isetts BJ, Stratton TP, Vaidyanathan R, Hillman LA, Schommer JC. (Jun 2022). An exploratory QUALquan comparison for patient-centeredness priorities in outpatient care for patients and pharmacists. *Journal of the American College of Clinical Pharmacy*, 5(6):578-589. doi:10.1002/jac5.1618

Peer-Reviewed Publications Published or Accepted for Publication (cont'd)

20. **Olson AW**, Schommer JC, Mott DA, Adekunle O, Brown LM. (Apr 2022). Financial hardship from purchasing prescription drugs among older adults in the US before, during, and after the Medicare Part D 'donut hole': Findings from 1998, 2001, 2015, & 2021. *Journal of Managed Care & Specialty Pharmacy*, 28(5):508-517. doi:10.18553/jmcp.2022.28.5.508
21. **Olson AW**, Isetts BJ, Stratton TP, Vaidyanathan R, Hager KD, Schommer JC. (Feb 2022). Addressing hidden curricula that subvert the patient-centeredness "hub" of the Pharmacists' Patient Care Process "wheel." *American Journal of Pharmaceutical Education*, 86(2):140-150. doi:10.5688/ajpe8665
22. Schommer JC, **Olson AW**, Lee S, Gaither CA, Schondelmeyer SW. (May 2021). A 15-year ecological comparison for the hiring dynamics of Minnesota pharmacies between 2006 and 2020. *Journal of Pharmacy Education and Practice*, 9(2):100. doi:10.3390/pharmacy9020100
23. **Olson AW**, Stratton TP, Isetts BJ, Vaidyanathan R, Van Hooser JC, Schommer JC. (Apr 2021). Seeing the Elephant: A Systematic scoping review and comparison of patient-centeredness conceptualizations from three seminal perspectives. *Journal of Multidisciplinary Healthcare*, (14):973-986. doi:10.2147/JMDH.S299765
24. **Olson AW**, Vaidyanathan R, Stratton TP, Isetts BJ, Hillman LA, Schommer JC. (Feb 2021). Patient-centered care preferences & expectations in outpatient pharmacist practice: A three archetype heuristic. *Research in Social and Administrative Pharmacy*, S1551-7411(21):00065-6. doi:10.1016/j.sapharm.2021.02.00
25. Isetts BJ, **Olson AW**, Schommer JC. (Jan 2021). Reframing the medication experience in pharmacy using seminal concepts of patient-centered care – Implications for practice. *Pharmacy: A Journal of Pharmacy Education and Practice*, 9(9). doi:10.3390/pharmacy9010009.
26. Rickles NM, **Olson AW**, Tieger PD, Schommer JC, Brown LM. (Sep 2020). Use of the Jung/Myers Model of Personality Types to identify and engage with individuals at greatest risk of experiencing depression and anxiety. *Journal of Behavioral Health Services & Research*, 48(3):446-467. doi:10.1007/s11414-020-09724-2.
27. Knapp KK, **Olson AW**, Schommer JC, Gaither CA, Mott DA, Doucette WR. (May 2019). Retail clinics co-located with pharmacies: A delphi study of pharmacist impacts and recommendations for optimization. *Journal of the American Pharmacists Association*, 60(2):311-318. doi:10.1016/j.japh.2019.04.014.
28. Schommer JC, **Olson AW**, Isetts BJ. (May 2019). Transforming community-based pharmacy practice through financially sustainable centers for health and personal care. *Journal of the American Pharmacists Association*, 59(3):306-309. doi:10.1016/j.japh.2018.10.009.
29. **Olson AW**, Schommer JC, Hadsall RS. (Jun 2018). A 15 Year ecological comparison for the market dynamics of Minnesota community pharmacies from 2002 to 2017. *Pharmacy: A Journal of Pharmacy Education and Practice*, Special Issue: The Labor Market for Pharmacists, 6(2):50. doi:10.3390/pharmacy6020050.
30. **Olson AW**, Isetts BJ, Kondic AM, Schommer JC. (Jul 2017). Comparing the research contributions of Community Pharmacy Foundation funding on practice innovation between non-academics and academics. *Innovations in Pharmacy*, 8(3). doi:10.24926/iip.v8i3.528.

Peer-Reviewed Publications *Published or Accepted for Publication* (cont'd)

31. Schommer JC, Tieger PD, **Olson AW**, Brown LM. (May 2017). Associations between modifiable health-risk factors and personality type. *Innovations in Pharmacy*, 8(2). doi:10.24926/iip.v8i2.520.
32. Isetts BJ, **Olson AW**, Kondic AM, Schommer JC. (Jan 2017). An evaluation of the distribution, scope, and impact of the Community Pharmacy Foundation grants completed by academic principal investigators between 2002 and 2015. *Innovations in Pharmacy*, 8(1). doi:10.24926/21550417.1332.
33. Schommer JC, Tieger PD, **Olson AW**, Brown LM. (Jan 2017). Applying Personality Type Theory to develop Individualized Wellness Plans for reducing chronic disease. *Innovations in Pharmacy*, 8(1). doi:10.24926/iip.v8i1.487.
34. **Olson AW**, Schommer JC, Mott DA, Brown LM. (Oct 2016). Financial hardship from purchasing medications for senior citizens before and after the Medicare Modernization Act of 2003 and the Patient Protection and Affordable Care Act of 2010: Findings from 1998, 2001, and 2015. *Journal of Managed Care & Specialty Pharmacy*, 22(10). doi:10.18553/jmcp.2016.22.10.1150.
35. Schommer JC, Tieger PD, **Olson AW**, Brown LM, Tomaszewski DM. (Oct 2015). Development of the adherence predictive index for medication taking. *Innovations in Pharmacy*, 7(1). doi:10.24926/iip.v7i1.421.

Peer-Reviewed Publications *In Preparation or Under Review for Publication*

1. Bart G, Borgert-Spaniol CM, Crain AL, Haapala JL, [and 11 others, including **Olson AW**]. (Mar 2025). Primary care clinicians' satisfaction with an electronic medical record-integrated clinical decision support tool for opioid use disorder. Under review at *Substance Use and Addiction Journal*.
2. Harry M, Brenholdt M, **Olson AW**, Ramjattan C, Schwalbe M. (Oct 2025). Rural and Urban/Micropolitan Patient Perceptions of Electronic Health Record Screening Questions, Data, and Use in Clinical Care and Research: A Cross-Sectional Survey Research Study. Under review at *International Journal of Medical Informatics*.
3. Hooker SA, Rossom RC, Haapala J, Crain AL, Miley K, O'Connor PJ, Kane S, **Olson AW**, Bart G, Wright EA. (Dec 2025). External Validation of the Epic Opioid Use Disorder Risk Model in Three Large Integrated Health Systems. Under review at *Journal of General Internal Medicine*.
4. **Olson AW**, Russell A, Dobbins D, Wong J, Shetty V, Wright EA, Romagnoli KM, Ferber J, Sikkink M, Waring SC. (Sep 2025). Prototyping a generative AI-powered patient-centered digital health tool to mitigate risks of preventable adverse drug events. In preparation for *Journal of the American Medical Informatics Association*.
5. **Olson AW**, Pradhan A, Whary P, Dombroski SK, Dobbins D, Ward TM, Obert KM, Siegrist CN, Wright EA. (Dec 2025). The impact of an ambient documentation tool on the care experience of clinical pharmacists embedded in ambulatory clinics: A mixed methods evaluation. Under review at *American Journal of Health-system Pharmacy*.

Peer-Reviewed Journal *Collection or Special Issue Editor*

1. **Olson AW** & Brown JT. (Jan 2023). An Exploration of the Confluence between Pharmacogenomics and the Medication Experience – Special Issue. *Pharmacy: A Journal of Pharmacy Education and Practice*, MDPI (Multidisciplinary Digital Publishing Institute), Basel, Switzerland.

Peer-Reviewed Journal Collection or Special Issue Editor (cont'd)

2. Schommer JC & **Olson AW**. (Nov 2021-Oct 2025). Pharmacy Services – Topical Collection. *Pharmacy: A Journal of Pharmacy Education and Practice*, MDPI (Multidisciplinary Digital Publishing Institute), Basel, Switzerland.
3. Schommer JC & **Olson AW**. (Nov 2021). Pharmacist Services II – Special Issue. *Pharmacy: A Journal of Pharmacy Education and Practice*, MDPI (Multidisciplinary Digital Publishing Institute), Basel, Switzerland.
4. Schommer JC & **Olson AW**. (Sep 2019). Pharmacist Services – Special Issue. *Pharmacy: A Journal of Pharmacy Education and Practice*, MDPI (Multidisciplinary Digital Publishing Institute), Basel, Switzerland.

Peer-Reviewed Scientific Abstracts Presented or Accepted for Presentation

1. **Olson AW**, Dobbins D, Pradhan A, Krahe-Dombrowski S, Obert K, Siegrist CN, Ward T, Whary P, Wright EA. (Oct 2025). Evaluation of an ambient listening and documentation tool among ambulatory pharmacists within an integrated health system. Poster **presented** the 46th Annual Meeting of the American College of Clinical Pharmacy, Minneapolis MN.
2. Diaz E, An J, **Olson AW**, Chang A. (Jul 2025). The Relationship between Comorbidities and Lifestyle Modification Recommendation in Hypertension Treatments. Poster presented at the 15th Annual Geisinger Commonwealth School of Medicine Summer Research Immersion Program Symposium, Danville PA.
3. An J, Diaz E, **Olson AW**, Chang A. (Jul 2025). Factors Associated with Antihypertensive Medication Use in Uncontrolled Hypertension. Poster presented at the 15th Annual Geisinger Commonwealth School of Medicine Summer Research Immersion Program Symposium, Danville PA.
4. Martchek K, Whetstone K, **Olson AW**, Krahe-Dombrowski. (Jul 2025). Alignment of Medication Management with Clinical Practice Guidelines and Polypharmacy Recommendations in Unplanned Hospital Admissions in Older Adults. Poster presented at the 15th Annual Geisinger Commonwealth School of Medicine Summer Research Immersion Program Symposium, Danville PA.
5. Harmon S, Khan H, Romagnoli K, **Olson AW**. (Jul 2025). Stigma in Clinician Perspectives on Opioid Use. Poster presented at the 15th Annual Geisinger Commonwealth School of Medicine Summer Research Immersion Program Symposium, Danville PA.
6. Miller MJ, **Olson AW**, Pawloski P, Lewis M, Staab J, Weeks J. (Apr 2025). Harmonizing Medication Data for Collaborative Research. *Journal of Patient-Centered Research and Reviews*, 12(3):S202. doi:10.17294/23300696.2220. Podium presented at the 31st Annual Health Care Systems Research Network Conference, St. Louis MO.
7. Hamed AO, Stevens T, Ferrell B, **Olson AW**. (Jan 2025). Exploring Primary Care Clinicians' Knowledge of Psychotropic Pharmacogenomics and Identifying Patients More Likely to Benefit from Testing Pre- and Post-Training at a Rural-facing Healthcare System. *American Journal of Health-System Pharmacy*, 82(1):S987. doi:10.1093/ajhp/zxae345. Poster presented the 59th Annual American Society of Health-System Pharmacists Midyear Clinical Meeting and Exhibition, New Orleans LA.

Peer-Reviewed Scientific Abstracts Presented or Accepted for Presentation (cont'd)

8. Houle TA, Catlin J, Chakrapani C, Docken G, **Olson AW**. (Jan 2025). Exploration of Norepinephrine Dose at Vasopressin Initiation on ICU Free Days for Septic Shock Patients in a Rural-facing Midwest Health System: A Retrospective Observational Study. *American Journal of Health-System Pharmacy*, 82(1):S985. doi:10.1093/ajhp/zxae345. Poster presented the 59th Annual American Society of Health-System Pharmacists Midyear Clinical Meeting and Exhibition, New Orleans LA.
9. Laspa K, Grupa T, Haas K, Hursman, **Olson AW**. (Jan 2025). Evaluation of the Single Maintenance and Reliever Therapy Implementation on Asthma Control. *American Journal of Health-System Pharmacy*, 82(1):S953. doi:10.1093/ajhp/zxae345. Poster presented the 59th Annual American Society of Health-System Pharmacists Midyear Clinical Meeting and Exhibition, New Orleans LA.
10. Olson KS, Grygelko J, Chandler E, Erickson M, **Olson AW**. (Jan 2025). Evaluation of Loop Diuretic Dosing in the Emergency Department and its Effect of Length of Stay for Patients with Heart Failure Exacerbations: A Case-Control Study. *American Journal of Health-System Pharmacy*, 82(1):S867. doi:10.1093/ajhp/zxae345. Poster presented the 59th Annual American Society of Health-System Pharmacists Midyear Clinical Meeting and Exhibition, New Orleans LA.
11. Bushaw A, Chandler E, Erickson, Knebel J, **Olson AW**. (Jan 2025). Evaluation of Hypertonic Saline use for Elevated Intracranial Pressure within a Large Rural Healthcare System. *American Journal of Health-System Pharmacy*, 82(1):S841. doi:10.1093/ajhp/zxae345. Poster presented the 59th Annual American Society of Health-System Pharmacists Midyear Clinical Meeting and Exhibition, New Orleans LA.
12. Larson-Adams RA, Chandler E, Erickson M, Willprecht K, **Olson AW**. (Jan 2025). Evaluation of a Pharmacist-led Culture Review Process for Patients Discharged from the Emergency Department: A Study of an Upper Midwest Health System. *American Journal of Health-System Pharmacy*, 82(1):S744. doi:10.1093/ajhp/zxae345. Poster presented the 59th Annual American Society of Health-System Pharmacists Midyear Clinical Meeting and Exhibition, New Orleans LA.
13. Norgren A, Aulie J, Nixon S, Odean E, **Olson AW**. (Jan 2025). Evaluation of a Pharmacist-led Antimicrobial Stewardship Time-Out for Patients with Sepsis in the Intensive Care Setting. *American Journal of Health-System Pharmacy*, 82(1):S743. doi:10.1093/ajhp/zxae345. Poster presented the 59th Annual American Society of Health-System Pharmacists Midyear Clinical Meeting and Exhibition, New Orleans LA.
14. Adekunle OA, **Olson AW**, Schommer JC, Brown LB. (Jun 2024). Utilization of prescription acquisition by drive-thru and mail before and during the COVID-19 pandemic in the United States. *Value in Health*. 27(6):s237. doi:10.1016/j.jval.2024.03.1318. Poster presented at 29th Annual International Meeting of the International Society of Pharmaceutical Outcomes Research, Atlanta GA.
15. **Olson AW**, Bucaloiu A, Allen CI, Tusing LD, Henzler-Buckingham HA, Gregor CM, Wright EA, Haller IV, Romagnoli KM. (Apr 2024). Differentiating clinician approaches to opioid risk discussions for patients with OUD using archetypes informed by patient perspectives. *J Patient Cent Res Rev*, 11(2):162. doi:10.17294/2330-0698.2105. Poster presented at the 30th Annual Health Care Systems Research Network Conference, Milwaukee WI.
16. Harry ML, Brenholdt M, Ramjattan BA, **Olson AW**, Waring SC. (Apr 2024). Patient perceptions of health-related social needs and general health data use in research: A cross-sectional survey research study. *J Patient Cent Res Rev*, 11(2):149. doi:10.17294/2330-0698.2105. Podium presented at the 30th Annual Health Care Systems Research Network Conference, Milwaukee WI.

Peer-Reviewed Scientific Abstracts Presented or Accepted for Presentation (cont'd)

17. Van Hooser J, **Olson AW**. (Sep 2023) In-person or online? Exploring student pharmacists' perceived change in interprofessional skills between two delivery formats. Poster presented at the 7th Annual Best Practices in Health Sciences Education Conference, Minneapolis, MN.
18. Murry L, Urmie J, **Olson AW**. (Mar 2023) Item development for patient-centered care preferences using a three-archetype heuristic: An exploratory study. *Journal of the American Pharmacists Association*. 63(2023):1387. doi:10.1016/j.japh.2023.05.003. Poster **presented** at the 169th Annual Meeting of the American Pharmacists Association, Phoenix AZ.
19. Wright EA, Pawloski PA, **Olson AW**. (Feb 2023). Pharmacy service and medication-related research for chronic conditions: Current status and future directions. **Presented** as a panelist at the 29th Annual Health Care Systems Research Network Conference, Denver CO.
20. **Olson AW**, Harry M, Doheny B, Kuenstler E, Klyn N, Waring S. (Feb 2023). An assessment of factors from Normalization Process Theory affecting healthcare worker adoption of a community-integrated social care intervention. *J Patient Cent Res Rev*, 10(3):185. doi:10.17294/2330-0698.2062. Poster **presented** at the 29th Annual Health Care Systems Research Network Conference, Denver CO.
21. Wright EA, Rossom RC, Bart G, [and 13 others, including **Olson AW**]. (Feb 2023). Frequencies of opioid use disorder identification using a predictive model in primary care. *J Patient Cent Res Rev*, 10(3):150. doi:10.17294/2330-0698.2062. Podium presented at the 29th Annual Health Care Systems Research Network Conference, Denver CO.
22. Waring S, Stevens T, Stone K, Hines R, **Olson AW**. (Feb 2023). Implementing pharmacogenomics in clinical practice: Challenges, realities, progress. *J Patient Cent Res Rev*, 10(3):169. doi:10.17294/2330-0698.2062. Podium presented at the 29th Annual Health Care Systems Research Network Conference, Denver CO.
23. **Olson AW**, Alexander S, Allen N, Castaldo A, Duckworth S, Green K, Grimes M, Harry M, Kempfert J, Kuenstler E, Maki H, Nelson S, Rapps M, St. John R, Waring S, Witherspoon S. (Apr 2022). Advancing health equity using a participatory approach to community-integrated care in health-related social Needs interventions. *J Patient Cent Res Rev*, 9(3):208-209. doi:10.17294/2330-0698.1997. Podium **presented** at the 28th Annual Health Care Systems Research Network Conference, Pasadena CA.
24. Anderson H, **Olson AW**, Kern M, Wright EA. (Apr 2022). Prevalence of medications of pharmacy-related HCSRN abstracts over three years. *J Patient Cent Res Rev*, 9(3):200. doi:10.17294/2330-0698.1997. Poster presented at the 28th Annual Health Care Systems Research Network Conference, Pasadena CA.
25. Hooker SA, **Olson AW**, Essien IJ, Borgert-Spaniol CM, Rossom RC, Romagnoli KM, Solberg LI. (Apr 2022). Perspectives from patients at high-risk for problems with opioids about discussing opioid risks with primary care clinicians. *J Patient Cent Res Rev*, 9(3):211. doi:10.17294/2330-0698.1997. Poster presented at the 28th Annual Health Care Systems Research Network Conference, Pasadena CA.
26. **Olson AW**, Schommer JC, Mott DA, Adekunle O, Brown LM. (Mar 2022). Financial hardship from purchasing medications for US seniors before, during, and after the Medicare Part D 'Donut Hole:' Findings from 1998, 2001, 2015, and 2021. *Journal of the American Pharmacists Association*, 62(2022):947-1112. doi:10.1016/j.japh.2022.05.015. Podium presented by Dr. William Doucette at the 168th Annual Meeting of the American Pharmacists Association, San Antonio TX.

Peer-Reviewed Scientific Abstracts Presented or Accepted for Presentation (cont'd)

27. **Olson AW**, Vaidyanathan R, Stratton TP, Isetts BJ, Hillman LA, Schommer JC. (Mar 2021). A three-archetype heuristic for understanding patient-centered care preferences and expectations in outpatient pharmacist practice. *Journal of the American Pharmacists Association*, 61(2021):e145-146. doi:10.1016/j.japh.2021.04.021. Poster **presented** virtually at the 167th Annual Meeting of the American Pharmacists Association, Los Angeles CA.
28. **Olson AW**, Schommer JC, Rickles NM, Brown LM, Tieger PD. (Mar 2020). Pharmacist use of the Jung/Myers Model of Personality Types to improve screening, engagement, and support for individuals experiencing or prone to anxiety and depression but are undiagnosed. *Journal of the American Pharmacists Association*, 60(2020):e130-131. doi:10.1016/j.japh.2020.04.013. Podium **presented** at the 166th Annual Meeting of the American Pharmacists Association, Washington DC (held virtually).
29. **Olson AW**, Schommer JC, Gaither CA, Mott DA, Knapp KK, Doucette WR. (Mar 2019). Retail clinics co-located with pharmacies: A delphi study of pharmacist Impacts and recommendations for optimization. *Journal of the American Pharmacists Association*, 59(2019):e242-243. doi:10.1016/j.japh.2019.05.016. Podium **presented** at the 165th Annual Meeting of the American Pharmacists Association, Seattle WA.
30. **Olson AW** & Schommer JC. (Aug 2018). Pharmacist-delivered patient-centered care: Exploring an untested assumption. Podium **presented** at the 18th Midwest Social & Administrative Pharmacy Conference, Madison, WI.
31. **Olson AW**, Schommer, JC, Hadsall RS. (Jul 2018). Market dynamics for community pharmacies in Minnesota between 1992 and 2017. *Research in Social and Administrative Pharmacy*, 14(8):e41. doi:10.1016/j.sapharm.2018.05.075. Poster **presented** at the 20th International Social Pharmacy Workshop, Leuven, Belgium.
32. Schommer JC, Cernasev A, Hillman L, **Olson AW**. (Jul 2018). Assembling a layered approach for medication optimization. Workshop **presented** at the 20th International Social Pharmacy Workshop, Leuven, Belgium.
33. **Olson AW**, Schommer JC, Brown LM. (Mar 2018). A descriptive comparison of healthcare utilization, relationships, and diagnoses for outlier personality groups in the US adult population. *Journal of the American Pharmacists Association*, 58(2018):e110. doi:10.1016/j.japh.2018.04.004. Poster **presented** at the 165th Annual Meeting of the American Pharmacists Association, Nashville TN.
34. **Olson AW**, Schommer JC, Tieger PD, Brown LM. (Mar 2017). A description of the U.S. adult population's medication experiences segmented by medication beliefs and the big-five trait taxonomy. *Journal of the American Pharmacists Association*, 57(2016):e73. doi:10.1016/j.japh.2017.04.011. Poster **presented** at the 164th Annual Meeting of the American Pharmacists Association, San Francisco CA.
35. **Olson AW**, Schommer JC, & Tieger PD, Brown LM. (Aug 2016). Exploration of a modified Transtheoretical Model integrating a 'cognitive style' construct to improve tailoring of interventions. Poster **presented** at the 17th Midwest Social & Administrative Pharmacy Conference, Ann Arbor, MI.
36. **Olson AW**, Rockwood TH, Schommer JC. (Aug 2016). The optimal roles and contributions of pharmacists in Minnesota health systems from the healthcare executive perspective. Podium **presented** at the 17th Midwest Social & Administrative Pharmacy Conference, Ann Arbor, MI.

Peer-Reviewed Scientific Abstracts Presented or Accepted for Presentation (cont'd)

37. Schommer JC, **Olson AW**, Tieger PD, Brown LM. (Jul 2016). Use of preferred communication styles and necessity-concerns differentials to address individual variability when providing medication services. *International Journal of Pharmacy and Practice*, 24(2):S53. Poster **presented** at the 19th International Social Pharmacy Workshop, Aberdeen, Scotland.
38. **Olson AW**, Schommer JC, Tieger PD, Brown LM. (May 2016). A description of the U.S. adult population's medication experiences using an agglomerative hierarchical clustering method. *Value in Health*, 19(3):A33. doi:10.1016/j.jval.2016.03.371. Poster **presented** at 21st Annual International Meeting of the International Society of Pharmaceutical Outcomes Research, Washington, D.C.
39. **Olson AW**, Schommer JC, Mott DA, Brown LM. (Mar 2016). Prescription drug payment and procurement for seniors before and after the Medicare Modernization Act of 2003: Snapshots from 1998, 2001, and 2015. *Journal of the American Pharmacists Association*, 56(2016):e62. doi:10.1016/j.japh.2016.03.014. Poster **presented** at the 163rd Annual Meeting of the American Pharmacists Association, Baltimore MD.
40. **Olson AW**, Schommer JC, Tomaszewski D, Brown LM. (Mar 2016). Financial hardship from medication expenses and its association with pharmacist roles and medication adherence: Findings from the 2015 National Consumer Survey on the Medication Experience and Pharmacist Roles. *Journal of the American Pharmacists Association*, 56(2016):e46. doi:10.1016/j.japh.2016.03.014. Poster **presented** at the 163rd Annual Meeting of the American Pharmacists Association, Baltimore MD.
41. Schommer JC, Brown LM, Tieger PD, Tomaszewski DM, Worley M, Godwin O, Rashrash M, Gomaa B, **Olson AW**. (Mar 2016). A segmentation analysis of the U.S. adult population regarding medication experiences. *Journal of the American Pharmacists Association*, 56(2016):e62-63. doi:10.1016/j.japh.2016.03.014. Poster presented at the 163rd Annual Meeting of the American Pharmacists Association, Baltimore MD.
42. Schommer JC, **Olson AW**, Brown LM. (Mar 2016). A geospatial analysis of health disparities and reliance on pharmacists: Findings from the 2015 National Consumer Survey on Medication Experiences. *Journal of the American Pharmacists Association*, 56(2016):e46. doi:10.1016/j.japh.2016.03.014. Poster presented at the 163rd Annual Meeting of the American Pharmacists Association, Baltimore MD.
43. Schommer JC, **Olson AW**, Tieger PD, Brown LM, Tomaszewski DM. (Mar 2016). Development of the Adherence Predictive Index (API) for medication taking. *Journal of the American Pharmacists Association*, 56(2016):e4. doi:10.1016/j.japh.2016.03.014. Poster presented at the 163rd Annual Meeting of the American Pharmacists Association, Baltimore MD.
44. **Olson AW** & Fierke KK. (Apr 2015). Voluntary leadership development sessions designed to document student perceptions, motivations, experiences, and goals. Poster **presented** at the Annual Meeting of the Academy of Distinguished Teacher's Conference, Minneapolis, MN.
45. **Olson AW**, Bickler WJ, Murugappan M, et al. (Mar 2013). Interprofessional approaches to healthcare and safe medication practices for underinsured patients. Poster **presented** at the 160th Annual Meeting of the American Pharmacists Association, Los Angeles CA.
46. **Olson AW** & Bickler WJ. (Feb 2013). Interprofessional approaches to healthcare and safe medication practices for underinsured patients. Poster **presented** Medication Management System's Deep Portage Meeting, Hackensack, MN.

Peer-Reviewed Scientific Abstracts *In Preparation or Under Review for Presentation*

1. Dombrowski SK, Martchek K, Whetsone K, Brautigam M, **Olson AW**. (Dec 2025). Alignment of Medication Management with Clinical Practice Guidelines and Polypharmacy Recommendations in Unplanned Hospital Admissions in Older Adults. Under review for the 16th Annual Geisinger Commonwealth School of Medicine Summer Research Immersion Program Symposium, Danville PA.
2. Shomali AL, Dobbins D, Wright EA, Gunther M, **Olson AW**. (Dec 2025). A synthetic validation of a digital healthcare tool designed to improve medication safety for older adults using the OpenAI HealthBench framework. Under review for the 16th Annual Geisinger Commonwealth School of Medicine Summer Research Immersion Program Symposium, Danville PA.
3. Dobbins D, Dombrowski SK, Obert KM, Pradhan A, Siegrist CN, Ward TM, Whary P, Wright EA, **Olson AW**. (Dec 2025). A Mixed Methods Investigation into the Effects of an Ambient Documentation Tool on the Care Experience of Medication Therapy Disease Management Pharmacists. Under review for the 16th Annual Geisinger Commonwealth School of Medicine Summer Research Immersion Program Symposium, Danville PA.

Professional Editorials & Periodicals *Published or Accepted for Publication*

1. Schommer JC, **Olson AW**, Lee S, Wilson GG, Jelodari A, Stratton TP, Gaither CA. (May 2023). A 20-year ecological comparison for the market dynamics of Minnesota community pharmacies from 2002 to 2022. Retrieved from <https://europepmc.org/article/ppr/ppr676037>.
2. **Olson AW** and Haller I. Easier access to opioid medications may be news you missed. Reader view in the Duluth News Tribune. February 12, 2023. Retrieved from <https://www.duluthnewstribune.com/opinion/columns/local-view-easier-access-to-opioid-medications-may-be-news-you-missed>
3. Schommer JC, Lee S, **Olson AW**, Gaither CA, Schondelmeyer SW. (May 2022). The 2021 Minnesota Pharmacist Compensation and Labor Survey. *Minnesota Pharmacist*, 75 (2). Retrieved from https://www.mpha.org/page/journal_22_winter
4. **Olson AW**. Duluth medical respite house helping neighbors without homes. Reader view in the Duluth News Tribune. January 30, 2022. Retrieved from <https://www.duluthnewstribune.com/opinion/columns/local-view-duluth-medical-respite-house-helping-neighbors-without-homes>
5. Schommer JC, **Olson AW**, Gaither CA, Garza OW, Larson TA, Schondelmeyer SW, Uden DL. (Oct 2020). The 2019 Minnesota Pharmacist Compensation and Labor Survey. *Minnesota Pharmacist*, 74 (3). Retrieved from https://www.mpha.org/page/pharmacist_journal
6. **Olson AW**, Hastings TJ. (Jan 2019). Fulfilling the oath. *Journal of the American Pharmacists Association*, 59(1):8-9. doi:10.1016/j.japh.2018.11.011.
7. Schommer JC, **Olson AW**, Gaither CA, Garza OW, Hadsall RS, Larson TA, Schondelmeyer SW, Uden DL. (Jan 2019). Changes in the pharmacist and technician workforce in licensed Minnesota pharmacies between 2006 and 2018. *Minnesota Pharmacist*, 73 (1). Retrieved from https://www.mpha.org/page/pharmacist_journal
8. **Olson AW**. (Sep/Oct 2017). Postgraduate: Energized by discovering new knowledge. *APhA-ASP Student Pharmacist Magazine*, 14(1). Retrieved from <http://www.pharmacist.com/article/energized-discovering-new-knowledge>.

Professional Editorials & Periodicals Published or Accepted for Publication (cont'd)

9. Sawyer K, **Olson AW**, Navin SF, Stratton TP, Verdugo M. (Mar 2015). Developing public health professionals for the future: The Student Commissioned Officers Association. *USPHS Commissioned Officers Association Frontline Newsletter*.
10. **Olson AW**, Gagnon M, Van Hooser J. (Aug 2014). Extended-release niacin/laropiprant: No additional cardiovascular risk reduction seen in patients already on a statin. *Essentia Health System Newsletter*.
11. **Olson AW**, Loera T, Fierke KK. (Mar 2013). Creating the learning experience you want. *APhA-ASP Student Pharmacist Magazine*, 9(4). Retrieved from <http://www.pharmacist.com/student-pharmacist-archives>.

Professional Books & Chapters Published or Accepted for Publication

1. Schommer JC & **Olson AW**, editors. (Nov 2021). *Pharmacist Services II*. MDPI (Multidisciplinary Digital Publishing Institute), Basel, Switzerland.
2. Schommer JC & **Olson AW**, editors. (Sep 2019). *Pharmacist Services*. MDPI (Multidisciplinary Digital Publishing Institute), Basel, Switzerland.
3. Gionfriddo MR & **Olson AW**. (Nov 2015). "Engaging Patients in Healthcare and Decision-Making: Understanding and Facilitating the Process," in *Social and Behavioral Aspects of Pharmacy Practice*, Third Edition. Nathaniel M. Rickles, Albert I Wertheimer, Jon C. Schommer, Editors, Kendall Hunt Publishing Company, 2015.

Professional Reports Published or Accepted for Publication

1. **Olson AW**, Webster L, Grassi S, Dobbins D. (Nov 2025). "Ambient Documentation: Improving the Medication Therapy Disease Management Pharmacist's Productivity by Decreasing Documentation Time," in *Geisinger Enterprise Pharmacy Annual Report, 2024-2025*. Geisinger, Danville PA.
2. Wright EA, **Olson AW**, Romagnoli K, Tusing LD, Gregor CM. (Nov 2025). "Opioid Wizard: Advancing Identification and Engagement in Opioid Use Disorder Care," in *Geisinger Enterprise Pharmacy Annual Report, 2024-2025*. Geisinger, Danville PA.
3. Schommer JC, **Olson AW**, Isetts BJ, Scime GM, Skelton JB, Owen JA. (Sep 2018). *The Next Transition in Community-based Pharmacy Practice*. American Pharmacists Association Practice Perspectives Report. American Pharmacists Association, Washington D.C.
4. Isetts BJ, **Olson AW**, Schommer JC. (Sep 2015). *Community Pharmacy Foundation: A 10-year program evaluation*. Community Pharmacy Foundation, Chicago IL.

Invited Scientific Presentations Presented or Accepted for Presentation

1. **Olson AW**. (Sep 2025). Implementation of Effective Hypertension Approaches at Geisinger. Invited to **present** for Geisinger Center for Pharmacy Innovation and Outcomes, Danville PA.
2. **Olson AW**. (Sep 2025). Augmenting Pharmacist Care and Documentation using Ambient Documentation Powered by Abridge. Invited to **present** for Geisinger Center for Pharmacy Innovation and Outcomes, Danville PA.

Invited Scientific Presentations Presented or Accepted for Presentation (cont'd)

3. **Olson AW.** (Sep 2025). PCORI Broad Pragmatic Studies – Research Agenda and Funding Opportunities for the Center for Pharmacy Innovation and Outcomes. Invited to **present** for Geisinger Center for Pharmacy Innovation and Outcomes, Danville PA.
4. Norgren A, Aulie J, Odean E, Nixon S, **Olson AW.** (July 2025). Evaluation of a Pharmacist-led Antimicrobial Stewardship Time-Out for Patients with Sepsis in the Intensive Care Unit. Invited to present at the Essentia Health – Sepsis Steering Committee, Duluth MN.
5. Doberstein J, Nelson S, Kuentler E, **Olson AW.** (May 2025). Getting Inside Closed-Loop Referrals: Exploring the patient experience finding and connecting to social care using a community-based participatory evaluation approach. Invited **present** at the FindHelp Connect: Social Care Summit, Austin, TX (held virtually).
6. Bushaw A, Chandler E, Erickson, Knebel J, **Olson AW.** (May 2025). Evaluation of Hypertonic Saline use for Elevated Intracranial Pressure within a Large Rural Healthcare System. Invited to present at the Arrowhead Chapter of the Minnesota Society of Health-System Pharmacists Meeting, Duluth MN.
7. Laspa K, Grupa T, Haas K, Hursman, **Olson AW.** (May 2025). Evaluation of the Single Maintenance and Reliever Therapy Implementation on Asthma Control. Invited to present at the Arrowhead Chapter of the Minnesota Society of Health-System Pharmacists Meeting, Duluth MN.
8. Hamed AO, Stevens T, Ferrell B, **Olson AW.** (Apr 2025). Exploring Primary Care Clinicians’ Knowledge of Psychotropic Pharmacogenomics and Identifying Patients More Likely to Benefit from Testing Pre- and Post-Training at a Rural-facing Healthcare System. Invited to present at the Arrowhead Chapter of the Minnesota Society of Health-System Pharmacists Meeting, Duluth MN.
9. Norgren A, Aulie J, Nixon S, Odean E, **Olson AW.** (Apr 2025). Evaluation of a Pharmacist-led Antimicrobial Stewardship Time-Out for Patients with Sepsis in the Intensive Care Setting. Invited to present at the Arrowhead Chapter of the Minnesota Society of Health-System Pharmacists Meeting, Duluth MN.
10. Vaughn I, Hanson L, Stults C, Steiner J, **Olson AW.** (Apr 2025). “Health Care Systems Research Network Scientific and Interest Work Group Update.” Invited to present at the 31st Annual Health Care Systems Research Network Conference, St. Louis, MO.
11. **Olson AW.** (Mar 2025). “From Graduate to Professional – Postdoctoral Insights, Career Growth, and Funding Opportunities.” Invited to **present** at the American Pharmacists Association, Academy of Pharmaceutical Research and Science, Post-Graduate Forum, Nashville, TN.
12. **Olson AW,** Hooker SA, Davis TL. (Feb 2025). What can HCSRN Do for Early Career Investigators? Invited to **present** at the Health Care Systems Research Network Early Career Investigators, Webinar Marshfield, WI (held virtually).
13. **Olson AW** and Russell A. (Oct 2024). CommunicADE: A patient-centered digital health tool using ChatGPT at the point of care to improve quality care and reduce the recurrence of preventable adverse drug events (ADEs). **Presented** at the Center for Artificial Intelligence and Biomedical Informatics, Harvard Pilgrim Health Care Institute, Department of Population Medicine, Harvard Medical School, Boston, MA (held virtually).

Invited Scientific Presentations Presented or Accepted for Presentation (cont'd)

14. **Olson AW** and Staab J. (Oct 2024) Pharmacy Virtual Data Warehouse Workgroup Activities. **Presented** at the Health Care Systems Research Network Midyear Meeting, Virtual Data Warehouse VDW Implementation Group, Minneapolis, MN.
15. Schommer, JC, Doucette WR, Mott DA, [and 11 others, including **Olson AW**]. (Apr 2023). Pharmacy Workforce and Initial Findings from the 2022 National Pharmacist Workforce Survey. Presented at Clinical Seminar Series, Division of Clinical Affairs, University of Minnesota, College of Pharmacy, Minneapolis, MN.
16. Schommer JC, Gaither CA, Doucette WR, [and 12 others, including **Olson AW**]. (Apr 2023). The Results Are In! Findings from the 2022 National and Minnesota Pharmacy Workforce Surveys. Presented at the Social Administrative Pharmacy Seminar, Minneapolis, MN.
17. Schommer JC, **Olson AW**, Schondelmeyer S, Stratton T, Wilson G, Jelodari A, Hadsall R, Gaither C. (Feb 2023). Market Dynamics of Licensed Minnesota Pharmacies: In-State and Out-of-State Trends. Presented at the Minnesota Pharmacists Association Legislative Day Event, St. Paul MN.
18. **Olson AW**, Schommer JC, Kondic AM, Isetts BJ. (Mar 2016). An Evaluation of the Community Pharmacy Foundation's Grants Program: 2002-2015. Podium **presented** for the Community Pharmacy Foundation Research Forum at the American Pharmacists Association (APhA) 2016 Annual Meeting and Exposition, Baltimore MD.
19. **Olson AW** & Lepp G. (Dec 2014). Preceptor Development: Describing the current state, the ideal state, and plotting a course between them at the University of Minnesota - College of Pharmacy. **Presented** to University of Minnesota – College of Pharmacy PD4 Capstone Presentation Forum, Duluth MN.
20. **Olson AW** & Stuart B. (Aug 2014). Parkinson's disease: A contemporary review of treatments. **Presented** during a lunch meeting at Essentia Health Duluth Clinic, Internal Medicine Department, Duluth MN.

Professional Presentations Presented or Accepted for Presentation

1. **Olson AW**, Miller M, Pawloski P, Wright E. (Apr 2025). "Health Care Systems Research Network Pharmacy Scientific Interest Group Meeting Update." **Presented** at the 31st Annual Health Care Systems Research Network Conference, St. Louis, MO.
2. **Olson AW**, Elmayan A, Green K, Witherspoon S, Harry M, Nelson S. (Oct 2023). Beyond closing the referral loop: Strengthening connections to drive health equity using a community-based participatory approach. **Presented** at the 41st Annual St. Louis County Health and Human Services Conference, Duluth, MN.
3. **Olson AW**, Maki H, Kempfert J, St. John R, Allen N, Rapps M. (Oct 2022). You Get What You Measure: Pursuing health equity using a participatory approach when evaluating a community-integrated care intervention. **Presented** at the 40th Annual St. Louis County Health and Human Services Conference, Duluth, MN.
4. **Olson AW**. (Feb 2022). Resourceful: A social care intervention to reduce workload and increase capacity for patients and providers. **Presented** at the Northland Rural Research Collaborative Meeting, Duluth, MN.

Professional Presentations Presented or Accepted for Presentation (cont'd)

5. **Olson AW** & Kuentler E. (Nov 2021). Resourceful: Facilitating community integrated care. **Presented** at Essentia Health's Grand Rounds, Duluth, MN.
6. **Olson AW**, Wallin K, Conniff J, Conway P, Davies B, Rude J. (Oct 2021). Loving thy Neighbor, With or Without a Home: Unlocking the value of the Bob Tavani House for Medical Respite. **Presented** at the 39th Annual St. Louis County Health and Human Services Conference, Duluth, MN.
7. **Olson AW**, Hastings TJ, Hohmann NS, Niznik JD, Murry LT, Watterson TL, Bechtol R, Ching DK. (Mar 2019). APhA-APRS Postgraduate Forum: A Postgraduate's Guide for Interviewing. **Panel moderator** at the 165th Annual Meeting of the American Pharmacists Association, Seattle, WA.
8. **Olson AW**, Mone M, Gaines J. (Mar 2019). APhA-ASP 50th Anniversary: Lessons from Leaders. **Panelist** at the 165th Annual Meeting of the American Pharmacists Association, Seattle, WA.
9. **Olson AW**, Chui M (Mar 2019). Annual Meeting Day of Science Professional Development Luncheon. **Panel moderator** at the 165th Annual Meeting of the American Pharmacists Association, Seattle, WA.
10. **Olson AW**, Hastings TJ, Hohmann LA, Rusby M, Arnall J. (Mar 2018). APhA-APRS Postgraduate Forum: How to Write a Stellar Biosketch for a Grant Proposal. **Panel moderator** at the 164th Annual Meeting of the American Pharmacists Association, Nashville, TN.
11. Lepp G & **Olson AW**. (Nov 2014). Conflict management: & communication in practice. **Presented** at a monthly meeting of the Duluth Area Pharmacists, Duluth MN.
12. **Olson AW**. (Jul 2014). Medication disposal protocols at Methodist Hospital. **Presented** at lunch forum at Park Nicollet Methodist Hospital, Saint Louis Park, MN.
13. **Olson AW** & Loera T. (Sep 2012 & Oct 2013). How to 'Pharm' Australian: Experiences from IPSF's student exchange program. **Presented** at a monthly meeting of the Minnesota State Board of Pharmacy and the APhA-ASP Chapter of the University of Minnesota – College of Pharmacy.
14. **Olson AW** & Bickler WJ. (Mar 2013). The making of the PatCHH: Perspectives from founding the Patient-Centered Healthcare Home. **Presented** at a monthly meeting of the Duluth Area Pharmacists, Duluth, MN.

Media (Interviews as interviewee)

1. Quoted in an article titled "Community-centric care: A growing role for pharmacists in bridging health care gaps," published in the July 2025 issue of *Pharmacy Today* (pg28).

VI. GRANTS & FUNDING AWARDS

- 2025-2028 **Patient-Centered Outcomes Research Institute – PREvention of Cardiovascular and DiabEtic KidNey Disease in Type 2 Diabetes (PRECIDENTD; \$635,507): CO-INVESTIGATOR**
Awarded a competitive grant as a part of the National Patient-Centered Clinical Research Network for a randomized, pragmatic, open-label interventional trial with an enrollment target of 6000 patients. The study compared rates of important cardiovascular, kidney, and death events between the sodium-glucose cotransporter-2 inhibitors (SGLT2) and glucagon-like peptide-1 receptor agonists (GLP-1) medication classes for patients with type 2 diabetes and either established atherosclerotic cardiovascular disease (ASCVD) or who are at high risk for ASCVD.
- 2023-2028 **Minnesota Department of Health and Centers for Disease Control and Prevention – Overdose Data to Action (OD2A; \$750,000): CO-INVESTIGATOR**
Awarded a competitive grant to increase rates of treatment initiation and retention in ongoing care following emergency department visits for opioid overdose in Minnesota. OD2A focused on understanding and tracking the complex and changing nature of drug overdose crisis by seamlessly integrating data and prevention strategies.
- 2023-2026 **United States Department of Agriculture, National Institute of Food and Agriculture – Gus Schumacher Nutrition Incentive Program Produce Prescription (\$496,781): CO-INVESTIGATOR**
Awarded a competitive grant to demonstrate and evaluate the effects of a prescription produce program for food and food preparation education in rural-facing underserved communities.
- 2023-2025 **United Health Group Foundation and the National Institute for Medical Respite and Recuperative Care - Behavioral Health Integration in Medical Respite Care for People Experiencing Homelessness Initiative (\$531,590): PRINCIPAL INVESTIGATOR**
Awarded a competitive grant to expand and enhance medical respite care across the United States as well as to create a body of knowledge useful to communities.
- 2022-2025 **Essentia Institute of Rural Health, Scientist Discretionary Fund – Establishing a Research-focused Community Advisory Board at the Essentia Institute of Rural Health (\$15,000): CO-PRINCIPAL INVESTIGATOR ('23-24), CO-INVESTIGATOR ('24-'25)**
Awarded an internal grant to establish a Research-focused Community Advisory Board at the Essentia Institute of Rural Health to sustain a network of community partners that strengthens trust and connections with our patients and community to produce more impactful research.
- 2022-2025 **Essentia Institute of Rural Health, Scientist Discretionary Fund – Patient Perceptions of Embedded Electronic Medical Record Questions, Data, and Use in Clinical Care and Research: A survey research study (\$12,117): CO- INVESTIGATOR**
Awarded an internal grant to improve understanding of Essentia Health patients' thoughts and opinions research questions on social determinants of health, health-related social needs, and other related questions that are routinely asked and embedded in the electronic health record.
- 2022-2024 **Centers for Disease Control Foundation and United Health Care – Integrating Behavioral Health Services and Medical Care at the Bob Tavani House for Medical Respite Care in the COVID-19 Era (\$120,000): PRINCIPAL INVESTIGATOR**
Awarded a competitive grant to implement and report the impact of mental health and peer support specialist services at the Bob Tavani House for Medical Respite Care in Duluth, MN.

- 2022-2023 **Essentia Institute of Rural Health, Scientist Discretionary Fund – Exploring a Moral Determinant of Healthcare: Assessing moral distress of healthcare workers and adoption of an intervention to address unmet health-related social needs of patients (\$10,000): PRINCIPAL INVESTIGATOR**
 Awarded an internal grant to investigate how factors of cumulative complexity and experiences of moral distress by healthcare workers seeing, caring for, or working with patients who have unmet health-related social needs affect the likelihood of adopting a social care intervention tool named Resourceful.
- 2022 **National Institutes of Health, National Institute of Drug Abuse, Research on Emerging Areas Critical to Human Health - Clinic-Randomized Trial of Clinical Decision Support for Opioid Use Disorders in Medical Settings (REACH/NIH L70; \$100,000): AWARDEE**
 This NIH loan repayment program award (L70 DA057012) established by the United States Congress to recruit and retain highly qualified health professionals for biomedical or biobehavioral research careers. The REACH award is disbursed over 2 years and awardees are investigators pursuing major opportunities or gaps in emerging high-priority research areas, as defined by NIH Institutes and Centers.
- 2021-2023 **Blue Cross Blue Shield of Minnesota and UCare – A Community Integrated Referral Platform in a Rural Health System for Supporting Patients Seeking Support for Social Determinants of Health Needs (\$175,000): CO-PRINCIPAL INVESTIGATOR**
 A community-based participatory research project conducted with patients and researchers to longitudinally evaluate the platform’s impact on healthcare-related outcomes, patient-reported outcomes/experience, key performance metrics/indicators, and system barriers/facilitators through referrals to social care interventions offered by community-based organizations.
- 2020-2025 **National Institute on Drug Abuse (NIDA) - Clinic-Randomized Trial of Clinical Decision Support for Opioid Use Disorder in Medical Settings (COMPUTE 2.0; \$15,680,941): SITE PRINCIPAL INVESTIGATOR ('24-'25); CO-INVESTIGATOR ('20-'23)**
 This study (NIDA CTN-0095, UG1 DA040316) evaluated an Opioid Use Disorder – Clinical Decision Support (OUD-CDS) intervention in comparison to usual care at three large diverse care systems. As a site principal investigator at the Essentia Health site, I led an effort to identify, describe, and quantify barriers and facilitators to implementation of the OUD-CDS to inform adaptation for its optimal use and effectiveness using mixed methods approaches. Principal Investigators: Bart G & Rossom RC
- 2020-2021 **Minnesota Department of Health (MDH) and Churches United in Ministry (CHUM) – Social Safety Net Grant (\$20,000): CO-INVESTIGATOR**
 Conducted a mixed methods program evaluation for the Bob Tavani House for Medical Respite to identify strengths and opportunities for improvement.
- 2015-2017 **Community Pharmacy Foundation (CPF) Program Evaluation Grant (\$24,000): CO-INVESTIGATOR**
 Conducted a program evaluation for CPF consisting of three separate analyses for a contract grant with two co-investigators. Employed a mixed-methods analytical approach to describe CPF’s impact and improvement. The projects strongly focused on pharmacist integration in the healthcare delivery and financing system of the future. Principal Investigator: Isetts BJ

2013-2014 **University of Minnesota, Consortium on Law & Values in Health, Environment, & Life Sciences Scholar Grant (\$8,575): CO-PRINCIPAL INVESTIGATOR**
Awarded a competitive grant to create a student-run, faculty-supervised care team clinic for underserved patients with diabetes known as PatCHH (Patient-Centered Healthcare Home) by partnering with local 340B, Lake Superior Community Health Center. The program is now a part of the College of Pharmacy and School of Medicine curriculum at the University of Minnesota. Criteria: outstanding proposals to ameliorate the societal implications of problems in the fields of health, the environment, and the life sciences. Principal Investigator: Bastianelli K

2011-2013 **APhA & Health Resources & Services Administration (HRSA) - Chapters Helping Advocate for Needy Communities Everywhere (\$20,000): CO-INVESTIGATOR**
Awarded a competitive grant to create a student-run, faculty-supervised care team clinic for underserved patients with diabetes known as PatCHH (Patient-Centered Healthcare Home) by partnering with local 340B, Lake Superior Community Health Center. Criteria: Outstanding proposals toward a project that promotes interprofessional collaboration and delivers comprehensive pharmacy services within a 340B-eligible entity. Principal Investigators: Bastianelli K & Sorensen TD

VII. EXTRAMURAL FELLOWSHIPS, POSTGRAD TRAINING, & OTHER RESEARCH EXPERIENCE

2022 **National Institute on Aging (NIA) – Basic Principles of Conducting Embedded Pragmatic Clinical Trials in Person Living with Dementia and Care Partners, NIA IMPACT Collaboratory: CERTIFICATE PROGRAM**
Completed 12 IMPACT courses from an NIA grant (U54AG063546) on conducting embedded pragmatic clinical trials in healthcare systems for people living with dementia and their care partners. Topic areas included design, statistics, stakeholder engagement, ethics, regulation, health equity, implementation, patient and caregiver-relevant outcomes, and technical data considerations.

2016-2017 **Agency for Healthcare Research & Quality (AHRQ) – Centers of Excellence in Practice-Based Research Learning, Practice-Based Research Methods Fellowship: FELLOW**
Completed a 10-month program from an AHRQ grant (P30HS021648-01) providing training in concepts, skills, and methods for conducting practice-based research and building practice-based research networks. Used this resource to a draft a concept paper and develop a specific aim for doctoral thesis, which was presented at the North American Primary Care Research Group (NAPCRG) Practice-Based Research Network Conference in June of 2017.

2015-2016 **University of Minnesota, College of Pharmacy - Peters Chair in Pharmacy Practice Innovation Fellowship: RESEARCH ASSISTANT, CO-INVESTIGATOR**
Contributed to the development and execution of the National Consumer Survey on the Medication Experience, which described the U.S. adult population in terms of their medication experiences and their views of pharmacist roles. Principal Investigator: Schommer JC

VIII. TEACHING EXPERIENCE

University of Minnesota – College of Pharmacy

- Spring 2025 **Guest Lecturer** – PHAR 6515: Molecules to Medicines (10 credits).
This course guides students through learning experiences rooted in the daily work of a pharmacist to build knowledge, skills, and attitudes needed for patient-centered, team-based care. I participated in a career roundtable session coinciding with a career day at the University of Minnesota – College of Pharmacy, Minneapolis, MN.
- Spring 2025 **Guest Lecturer** - SAPH 8054: Advanced Studies in Pharmaceutical Care Practice Graduate-level course (3 credits)
This course analyses the practice and implementation of pharmaceutical care and has students confront their assumptions about the pharmacy profession, pharmacy practice, and pharmaceutical care. This lecture was titled “Practice-based pharmacy research networks across integrated health systems.”
- Spring 2025 **Guest Lecturer** - SAPH 8255: Pharmaceutical Marketing Graduate-level course (3 credits)
This course delivers information on the historical development of distributive systems, marketing channels, institutions, policies, and practices as they relate to the pharmaceutical industry. Also covered are contemporary issues/theories related to pharmaceutical marketing, especially directed to consumer advertising. This lecture was titled “Relationship marketing related to person-centered care.”
- Spring 2023 **Guest Lecturer** - SAPH 8255: Pharmaceutical Marketing Graduate-level course (3 credits)
This course delivers information on the historical development of distributive systems, marketing channels, institutions, policies, and practices as they relate to the pharmaceutical industry. Also covered are contemporary issues/theories related to pharmaceutical marketing, especially directed to consumer advertising. This lecture was titled “Relationship marketing related to person-centered care.”
- Fall 2022 **Guest Lecturer** - SAPH 8100: Social and Administrative Pharmacy Seminar Graduate-level course (1 credit)
The seminar course explores contemporary issues and research problems in sociobehavioral pharmacy, pharmacoeconomics and policy, and clinical research. This lecture was titled “Setting yourself up for success in the job market.”
- Spring 2020 **Course Director** – Phar 6720: Pharmaceutical Care Skills Lab II (2 credits)
This course further introduces PD1 student pharmacists to the professional attitude and skills (i.e., patient education, sterile compounding, and non-sterile compounding) necessary to become a competent and caring pharmaceutical care practitioner. It consists of two components: a laboratory section and a discussion that use a modified Team-Based Learning (TBL) approach.
- Spring 2019 **Course Instructor** - Phar 4200: Drugs and the United States Healthcare System
Fall 2018 Undergraduate- and graduate-level elective online course (3 credits)
Spring 2018 This course focuses on the critical role of medications and medication
Fall 2017 use in the US Healthcare System. It tackled controversial issues surrounding
Spring 2017 medications and the US Healthcare System and instilled the use of evidence-based
Spring 2016 arguments to communicate ideas, engage others, articulate viewpoints, and
Fall 2015 developed a plan of action related to content.

University of Minnesota – College of Pharmacy (cont'd)

- Spring 2019 **Teaching Assistant** – Phar6754: Diabetes & Metabolic Syndrome
This course introduces the principles of diabetes pathophysiology, treatment, and research to PD2 students. As a teaching assistant, I assisted with course instruction and student evaluation while also contributing to the development of SAPH content.
- Spring 2019 **Teaching Assistant** – Phar6758: Pulmonary Pharmacotherapy
This course provides students with the requisite pathophysiology and pharmacotherapeutic knowledge to care for patients with common pulmonary diseases. As a TA, I assisted with course instruction and student evaluation while also contributing to the development of SAPH content.
- Fall 2019 **Course Director** – Phar 6710: Pharmaceutical Care Skills Lab I (2 credits)
This course introduces PD1 student pharmacists to the professional attitude and skills (i.e., patient education, sterile compounding, and non-sterile compounding) necessary to become a competent and caring pharmaceutical care practitioner. It consists of two components: a laboratory section and a discussion that use a modified Team-Based Learning (TBL) approach.
- Fall 2018 **Teaching Assistant** – Phar 6736: Cardiovascular Pharmacotherapy
This is a team-based learning course designed for PD2 student pharmacists to acquire the clinical knowledge and skills to provide cardiovascular pharmacotherapy. As a teaching assistant, I instructed, modeled, and evaluated student pharmacists on all topics related to the course.
- Fall 2018 **Guest Lecturer** - Phar 6937: Foundations of Leadership
Fall 2017 Delivered interactive presentation titled “Crafting your Professional Vision” PD2 student pharmacists that instructed on the role of a vision, elements of a vision, and how to create a vision.
- Spring 2018 **Teaching Assistant** – Phar 6740/6750: Pharmaceutical Care Skills Labs III & IV
Fall 2017 This is a team-based learning course designed for PD2 student pharmacists to build the skills necessary to become a competent and caring pharmaceutical care practitioner. As a teaching assistant, I instructed, modeled, and evaluated student pharmacists on intravenous drug delivery-related skills.
- Fall 2017 **Guest Lecturer** – Phar 6700/6730: Becoming a Pharmacist/Professional
Fall 2016 Development & Assessment
This session brought PD1 and PD2 student pharmacists together to reflect, teach, and learn with, from, and about each other. As the facilitator, I led activities where students discussed pharmaceutical care concepts.
- Spring 2017 **Teaching Assistant** – Phar 6720: Pharmaceutical Care Skills Lab II
This is a team-based learning course designed for PD1 student pharmacists to continue to build the skills necessary to become a competent, caring pharmaceutical care practitioner. As a teaching assistant, I instructed, modeled, and evaluated student pharmacists on intravenous drug delivery-related skills.
- Fall 2016 **Teaching Assistant** - Phar 6706: Foundations of Pharmaceutical Care
This course lays the groundwork for how a pharmacist should think about the rational use of drugs in caring for patients by introducing and applying the pharmaceutical care process.

University of Minnesota – College of Pharmacy (cont'd)

- Spring 2015 **Guest Lecturer** - Phar 6937: Foundations of Leadership
Delivered a presentation titled “Grit: Sustained Passion + Perseverance” to 20 student pharmacists enrolled in the Leadership Emphasis Area on the characteristics shown to be the primary determinant of success as studied by Angela Duckworth, Ph.D. at the University of Pennsylvania.
- Fall 2014 **Guest Lecturer** - Phar 7340: Early Pharmacy Education with Community Teachers
Facilitated a debrief session where students reflected on their experience with volunteer Community Teachers regarding the patient/practitioner relationship and other insights gained from the interaction.
- Fall 2014 **Guest Lecturer** - Phar 6706: Foundations of Pharmaceutical Care
Delivered a presentation titled “Pharmaceutical Care: Assessment” to approximately 160 student pharmacists. The lecture described the purpose and process of assessing for drug therapy problems emphasizing real-world application.
- Fall 2013 **Guest Lecturer** - Phar 6700: Becoming a Pharmacist
Delivered a presentation titled “Networking: It’s NOT Who You Know, it’s Who Knows You and What You Can Do” to 60 student pharmacists on common misconceptions about networking and developing networking skills.

Teach For America – Coolidge Senior High School, Washington DC

- 2007-2009 **Special Education Department Chair**
Taught special education for mathematics in public high school, where 77% of students were eligible for free and reduced-price meals. Led a 35% increase in students scoring at or above the proficient level in math on the DC Comprehensive Assessment System. Coached Junior Varsity Basketball teams for men and women. Activities were detailed in a Washington Post article about the Washington, D.C. Public School System.
<http://www.washingtonpost.com/wp-dyn/content/article/2007/12/22/AR2007122201846.html?sid=ST2007122202100>

IX. CONSULTING EXPERIENCE

- 2021-2024 **National Institute for Medical Respite & Recuperative Care** - Affiliate Consultant

X. PROFESSIONAL MEMBERSHIP & SERVICE

Present Memberships

- 2025-present American College of Clinical Pharmacy
2025-present Pennsylvania Society of Health-System Pharmacists
2020-present Academy Health
2020-present Health Care Systems Research Network (HCSRN)
2011-present American Pharmacists Association (APhA)
2011-present Minnesota Pharmacists Association (MPHA)
2011-present Duluth Area Pharmacists (DAP)

Past Memberships

2015-2024	American Association of Colleges of Pharmacy (AACP)
2015-2017	International Society of Pharmaceutical Outcomes & Research (ISPOR)
2015-2017	Society of Judgement & Decision Making (SJDM)
2013-2014	Academy of Managed Care Pharmacy (AMCP)
2012-2014	Student Commissioned Officers Association (SCOA)
2011-2014	American Society of Clinical Pharmacists (ASCP)
2011-2014	International Pharmaceutical Students' Federation (IPSF)
2011-2014	Minnesota Society of Health-System Pharmacists (MSHP)

Service to the Agency for Healthcare Research and Quality (AHRQ)

2023	Person-Centered Preventative Healthcare: Gathering Stakeholder Input on Evidence and Implementation – Effective and innovative models of delivery of patient-centered prevention, Technical Expert Panel member
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Service to the American Pharmacists Association (APhA)

2023-present	Journal of the American Pharmacists Association <ul style="list-style-type: none">• Associate Editor, 2026-present• Editorial Advisory Board Member, 2023-2025• Residency Issue Mentor: Jasmine Bazinet (2024), Sehara Hill (2025), Kendall McKenzie (2026), Emma Brusio (2026)
2025	APhA House of Delegates, Academy of Pharmaceutical Research and Science (APRS), Delegate
2021-2023	
2016-2019	
2025-2026	APhA Research and Science Community – Awards Team, Member
2022-2024	APRS Awards Standing Committee, Member
2016-2017	
2017-2019	APRS Executive Council, Postgraduate Officer
2016-2017	APhA Policy Review Committee, Member
2015-2019	APRS Postgraduate Advisory Committee, Member
2015-present	APhA Annual Meeting Contributed Papers Abstract, Reviewer
2014-2015	APhA House of Delegates, Minnesota Pharmacists Association, Delegate
2011-2014	APhA – ASP Student Political Action Network, Member

Service to the American College of Clinical Pharmacy (ACCP)

2025	Ambulatory Care Practice and Research Network, Poster Judge
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Service to the Bob Tavani House for Medical Respite

2021-present Board of Directors, Member
Chair, 2021-2023

2020 Advisory Committee

Service to Essentia Health (EH)/Essentia Institute of Rural Health

2024-present Essentia Health PGY1 Pharmacy Residency, Secondary Preceptor

- 2024 Residents: Alexa Brown, Alyssa Butterfield, Kaitlyn Hubbs, Tianna Levandoski, Christin Libal, Tony Maanum, Leif Mann, Alyssa Preheim
- 2025 Residents: Conner Armstrong, Allison Bushaw, Amna Hamed, Tristan Houle, Riley Larson-Adams, Kevin Laspa, Aubrey Norgren, Kirsten Olson

2024-present Resourceful Community Site Leadership Team, Member

2023-2024 Summer Research Practicum

- Kaitlyn Russell, EIRH Research Project Coordinator (Master of Public Health – University of New England)

2022-2024 Reimagine Essentia Steering Committee, Member

2022 EH Health Equity Care Gap Committee, Member

2021-2023 EH Patient Experience Council, Member
EH Patient Experience System Steering Committee, Member
EH Patient Experience System Steering Committee - Service Standards Subcommittee, Member

2020-2023 EH Healthcare and Homelessness Committee, Member

Service to Geisinger

2025-present Geisinger College of Health Sciences, Faculty Mentoring Committee

- Dr. Sarah Krahe Dombroski, Assistant Professor

2025-present Geisinger Commonwealth School of Medicine, Summer Research Immersion Program

- 2025 Medical Students: Kaitlyn Martchek, Katelyn Whetstone, Daniel Esnel, James An, Shannon Harmon, Heba Khan
- 2026 Medical Students: Alexandra Shomali

2025-present Pillar Award Committee, Member
The Pillar Award recognizes an impactful contributor who demonstrates constate dedicated effort to their role, team, and research and reaches across departments to develop positive relationships

Service to the Health Care Systems Research Network (HCSRN)

2023-2025 HCSRN Virtual Data Warehouse Implementation Workgroup - Pharmacy, Chair - Scientific lead

2023 HCSRN Annual Conference Planning Committee

Service to the Health Care Systems Research Network (HCSRN – cont'd)

- 2022-2024 HCSRN Awards Subcommittee, Member
- 2022-2023 HCSRN Virtual Data Warehouse Implementation Group - Vital Signs, Scientific Co-lead
- 2021-2025 HCSRN Pharmacy Scientific Interest Group, Chair

Service to the Minnesota Department of Health

- 2023-2024 Minnesota Health Care Loan Forgiveness Program, Reviewer for Rural Area
- 2021 Pharmacists Award

Service to the Minnesota Pharmacists Association

- 2020 Parliamentarian of the House of Delegates
- 2017-2019 Speaker of the House of Delegates
- 2017-2019 Executive Finance Committee
- 2016-2017 Professional and Organizational Affairs Committee, Co-chair
- 2015-2023 Professional and Organizational Affairs Committee, Member
- 2015-2023 Public Affairs Committee, Member
- 2015-2019 Board of Directors
- 2015-2017 Vice Speaker of the House of Delegates
- 2015-2016 Policy Manual Review Subcommittee, Chair
- 2013-2016 District 2 Delegate
- 2012-2015 Pharmacists at the Capitol Day, Citizen Lobbyist

Service to the Patient-Centered Outcomes Research Institute (PCORI)

- 2024-present Measurement Matters: Refining and Validating the Patient-centered Outcomes Research Engagement Measure – Pilot Partner Subcommittee, Member
- 2020-present PCORI Ambassador Program, Ambassador

Service to Phi Delta Chi (PDX)

- 2011-2015 Beta Psi, Brother

Service to Phi Lambda Sigma (PLS) – Alpha Phi Chapter

- 2013-2014 Leadership Breakfast, Founder
Developed a new monthly program open to all College of Pharmacy students interested in growing as leaders, alternated sharing relevant stories & insights.

Service to Phi Lambda Sigma (PLS) – Alpha Phi Chapter (cont'd)

2012-2014 Co-Treasurer
Ensure fiscal health and resource allocation to achieve the organization's vision, mission, and goals.

Service to Professional Journals – Reviewer

2025-present British Medical Journal Open

2025-present Public Health Reports

2024-present Annals of Medicine

2022-present Exploratory Research in Clinical and Social Pharmacy

2021-present American Journal of Health-System Pharmacy

2015-present Research in Social & Administrative Pharmacy

2020-2025 Healthcare: A Journal on Healthcare Systems, Industry, Policy, & Regulation

2018-2025 Pharmacy: A Journal of Pharmacy Education & Practice

2018-2025 Innovations in Pharmacy

2015-2025 Journal of the American Pharmacists Association

Service to the Student Commissioned Officer Association (SCOA)

2012-2015 Co-founder
Partnered with four other students and the USPHS Commissioned Officer Association (COA) to prepare the next generation of public health officers. This partnership is the first of its kind and strives to be a national leader and model for other locations. Developed founding mission, vision, and by-laws. Initiated membership recruitment, the development of lunch meeting presentations, informational videos, and a mentorship program that paired students with officers.

Service to University of Minnesota – College of Pharmacy, Faculty

2024-present The Minnesota Pharmacy Practice-based Research Network – Guidance and Oversight Board, Member

2023-present University of Minnesota Alumni Association Collegiate Council, Council Member

2020-present Pharm.D. Admissions, Interviewer

2021-present Rural Health Collective, Member

2021-present Medical Reserve Corps – University of Minnesota, Volunteer

2020-present Pharm.D. Admissions, Interviewer

Service to University of Minnesota – College of Pharmacy, Faculty (cont'd)

- 2020-present Pharmacy Alumni Society - University of Minnesota, College of Pharmacy
Member, 2017 - present
Board Member, 2020 – 2025
Immediate Past President, 2024-2025
President, 2023-2024
Chair of the Awards Committee, 2023-2024
Vice President, 2022-2023
Co-Chair of the Events and Special Projects Committee, 2021-2023
Secretary-Treasurer, 2021-2022
- 2024-2025 University of Minnesota, College of Pharmacy – Task force for determining pharmacist workforce needs in Minnesota, Member
- 2024 University of Minnesota, College of Pharmacy – MentorRx, Mentor
- 2024: Elizabeth Swanson (Class of 2028)
 - 2025: Chaeyeon Kim (Class of 2029)
- 2024 University of Minnesota, College of Pharmacy – PD1 White Coat Ceremony Keynote Speaker
- 2024 College of Pharmacy, Facilitator
- 2023 Mock Job Interviewer for PD3
- 2021-2023 Student Career Exploration Project, Presenter
- 2020-2023 Minnesota Promoting a Connected Community (MNPACC) – University of Minnesota College of Pharmacy, Group Leader
- 2020-2024 Pharm.D. Admissions Preview Day, Alumni Panelist
- 2020-2022 Practice-Education Dialogue in Pharmacy (PED-Rx) event - University of Minnesota

Service to University of Minnesota – College of Pharmacy, Graduate Student

- 2018-2020 Pharm.D. Admissions, Interviewer
- 2015-2020 First Year Student Pharmacist Mentor
- (2015) David Mortensen
 - (2016) Lauren Lemke
 - (2017) Phuong Le
 - (2018) Lars Anderson
 - (2019) Brandon Anderson
 - (2020) Jacob Noble, Haopeng Liu, Ciara White, Alyssa Butterfield, Paul Bastianelli
- 2015 - 2018 Council of Graduate Students, Program Representative
- 2015-2016 Weaver Public Engagement & Social Responsiveness Grant, Reviewer

Service to University of Minnesota – College of Pharmacy, Pharm.D. Student (cont'd)

- 2012-2015 Center for Leading Healthcare Change (CLHC), Leadership Ambassador
The CLHC is composed of pharmacy leaders in Minnesota committed to promoting leadership development for Minnesota student pharmacists to foster change in healthcare practice and policy. As a leadership ambassador, I developed a “Student Champion of Change” Award recognizing students who created positive, impactful, and lasting change in the college and community. Participated in Minnesota Pharmacy Practice Act Joint Task Force as a student representative. The overarching goal of this group was to modernize the decades-old legislative states regulating pharmacy practice in the state of Minnesota.
- 2011-2015 Health Fair Volunteer
Registered patients and performed screenings for blood pressure, A1C, bone density, and other conditions at seven different community health fairs.
- 2014 Accreditation Self-Study Committee: Strategic Planning Subcommittee, Member
Reviewed and evaluated the strategic plan of the College of Pharmacy for reaccreditation by the American Association of Colleges of Pharmacy (AACP).
- 2014 Transforming Attitude and Passion (TAP) Leadership Retreat, Facilitator
Facilitated retreat for student pharmacists to develop their mission, vision, and goals as well as the skills needed to accomplish them.
- 2013 Admission Recruitment Volunteer
- 2011-2013 Pre-pharmacy Mentor
Provided guidance and advice to prospective student pharmacists.
- 2011-2012 College of Pharmacy, Class Representative
- 2011-2012 Puebla Service Project, Contributor
Helped plan, organize, and execute fundraising for a seven-day service project to Cuetzalan, Mexico. Provided healthcare services, such as bone density, A1C, and blood glucose screenings.

XI. PHARMACY PRACTICE EXPERIENCE (Minnesota License 122705; Pennsylvania License RP459773)

Community Pharmacy

- 2016-present **Essentia Health – Pharmacist**, Duluth MN
Provide prompt, efficient, and friendly service to patients while efficiently managing pharmacy operations. Ensure accurate prescription dispensing and clinical consultation services as well as supervision of fellow pharmacists, pharmacy technicians, graduate interns, and clerks. Worked 1-10 shifts per month.
- 2016-2021 **Cub Foods Pharmacy – Pharmacist**, Duluth MN
Provide prompt, efficient, and friendly service to patients while efficiently managing pharmacy operations. Ensure accurate prescription dispensing and clinical consultation services as well as supervision of fellow pharmacists, pharmacy technicians, graduate interns, and clerks. Work 1-10 shifts per month.

Community Pharmacy (cont'd)

2012-2014 **Thrifty White - Medication Management Intern, Cloquet MN**
Provided medication therapy management services, including medication reconciliation and resolving drug therapy problems to patients and their primary care providers. Administered influenza and pneumococcal vaccines to patients.

US Public Health Service - Indian Health Service

2013 **Junior Commissioned Officer Student Training & Extern Program – Student Extern, Four Corners Regional Health Center, Teec Nos Pos, Navajo Nation, AZ**
Filled and dispensed prescription medications for patients. Counseled patients on information related to health conditions, prescription drugs, and OTC medications. Developed a Provider Communication Sequencing Protocol that decreased patient wait times by 15% during the busiest times periods. Created patient priming tools to improve patient understanding of medications.

Advanced Pharmacy Practice Experiences

2015 **Transitional Care - Essentia Health St. Mary's Hospital, Duluth, MN**
Conducted medication reconciliations through interactions with patients, pharmacies, and other caregivers to ensure therapeutic decisions by the patient's care team utilized the correct medication information. Shadowed and presented about the roles and interconnection of pharmacy, social work, nursing, physicians, therapists, and other professions to inpatient care transitions. Presented journal club on the effects on medication use and cost when providers utilize electronic prescribing with decision support aids. Preceptor: David Simmons, Pharm.D.

2015 **Pharmaceutical Consulting - Arbit Consulting, Mendota Heights, MN**
Strategized, authored, and submitted an Investigational Device Exemption application for a selective cerebral cooling collar invention for NeuroRescue, LLC to the U.S. Food and Drug Administration (FDA). Created an informational presentation for physicians on Expanded Access Programs-Investigational New Drug (EAP-IND) to the FDA to be presented at the Society of Clinical Research Associates (SOCRA) 2015 Annual Meeting. Participated in daily discussions with the preceptor about current regulatory issues in pharmacy, including but not limited to 505(b)(2)s, early feasibility studies, informed consent, and the role of the pharmacy in regulatory affairs. Preceptor: Harvey Arbit, Pharm.D., M.B.A.

2015 **Community Pharmacy - Essentia Health Pharmacy, International Falls, MN**
Read, interpreted, filled, and dispensed orders and prescriptions that were indicated, effective, safe, and convenient medications to patients. Counseled patients on their prescriptions and general health information. Maintained and verified Schedule II controlled substance inventory monthly. Placed prescription pick-up reminder calls to patients weekly. Conducted weekly Quality Assurance processing. Preceptor: Tara Tomczak, Pharm.D.

2014 **Leadership & Admin - University of Minnesota – College of Pharmacy, Duluth, MN**
Created and delivered a lecture on "grit" to leadership track students. Contributed to developing a new "Adaptive Leadership" course, including constructing activities, aligning concepts with reading assignments, and more. Conducted research on the value and effects of leadership round tables held each semester for all Class of 2015 Pharm.D. students. Preceptor: Kerry Fierke, Ed.D.

Advanced Pharmacy Practice Experiences (cont'd)

- 2014 **Research – University of Minnesota – College of Pharmacy, Minneapolis, MN**
Delivered and facilitated two classroom sessions. Reviewed pharmaceutical marketing techniques and policies such as drug coupons, pricing schedules, billing systems, and reimbursement rates. Studied research methods and participated in data entry and research coding and data entry for pharmacy workforce research. Preceptor: Jon Schommer, Ph.D.
- 2014 **Ambulatory Care - Essentia Health Duluth Clinic - Internal Medicine, Duluth, MN**
Conducted medication management appointments in a clinic setting to determine and resolve drug therapy problems for patients. Recommended evidence-based pharmacotherapeutic treatment options to primary care providers following appointments with patients. Provided patient care services in instances of potential substance abuse. Researched and presented about Parkinson's Disease standards of treatment, pharmacotherapy, and pearls of therapy to physicians, nurses, and pharmacists. Generated a report on physician prescribing practices of opioids at the clinic. Preceptor: Michael Swanoski, Pharm.D., CGP, FASCP
- 2014 **Acute Care - Park Nicollet Methodist Hospital, St. Louis Park, MN**
Reviewed health records for patients recovering from a stroke, myocardial infarction, atrial fibrillation, and general surgery for drug therapy problems and recommended evidence-based pharmacotherapeutic treatment plans. Calculated pharmacokinetics, adjusted dosing, and reviewed the appropriateness of antibiotics, oncology agents, and other renal-dependent courses of therapy. Managed and educated on anticoagulation for hospitalized patients. Researched new hypertension and hyperlipidemia disease state guidelines and reported findings to physicians, nurses, and other pharmacists. Presented journal club critique of PLATO trial (clopidogrel vs. ticagrelor) to preceptors and students. Researched and presented about the hospital's medication disposal practices. Preceptor: Anne Schullo-Feulner, Pharm.D., BCPS

Introductory Pharmacy Practice Experiences

- 2013 Allina Mercy Hospital, Coon Rapids, MN
Preceptor: Dan Niznick, Pharm.D.
- 2012 Allina Community Pharmacy, Apple Valley, MN
Preceptor: Mark Decker, Pharm.D.
- 2012 Good Price Community Pharmacy, Innisfail, QLD, Australia
International Pharmaceutical Student Federation – Student Exchange Program
Preceptor: Karina Kaurila, B.Pharm.
- 2012 Essentia Health Duluth Clinic, Internal Medicine, Duluth, MN
Preceptor: Michael Swanoski, Pharm.D., FASCP
- 2011 Essentia Health Heart & Vascular Center, Duluth, MN
Preceptor: Richard Mullvain, R.Ph., BCPS (AQ Cardiology)

XII. OTHER WORK EXPERIENCE

- 2011-2014 IT Assistant, University of Minnesota – College of Pharmacy, Duluth MN
Operated ITV (inter-campus teleconferencing) between the Twin Cities and Duluth campuses for all pharmacy courses.
- 2010-2011 Bike and Build Route Leader, Philadelphia, PA
Hired to plan, coordinate, and lead 32 cyclists on a ten-week, 4,000-mile bicycle trek from Providence RI to San Francisco CA, to raise money and awareness for affordable housing.

XIII. OTHER SERVICE

The State of Minnesota

- 2015 Department of Commerce Unclaimed Property Return Project

World Book Drive

- 2012-2015 Campus Founder & Director
Collected 10,000+ lbs. of books over four years

Hugh O'Brian Leadership Summit

- 2012 Invited Speaker: "The Key to Leadership: Unlocking Yourself"

St. Olaf Board of Regents'

- 2006-2007 Class Representative

Ole Spring Relief

- 2005-2007 Co-Founder
Organized & led two Spring Break service trips for 183 and 160 St. Olaf students to help rebuild New Orleans, LA & Biloxi, MS following Hurricane Katrina. Raised >\$90,000 from local companies & college. The program is still running as of 2021.

XIV. SKILLS

- Beacon (Rx Dispensing System)
- Dedoose (Qualitative Data Analysis)
- ChatGPT (Generative Artificial Intelligence Program)
- ChatPDF (Artificial Intelligence Language Model Program)
- Epic (Electronic Health Record)
- Jamboard (Digital Interactive Whiteboard)
- IBM SPSS (Statistical Computing Software)
- Microsoft Word, Excel, PowerPoint
- Mural (Digital Interactive Whiteboard)
- NVIVO (Qualitative Data Analysis)
- Outcomes (MTM Documentation System)
- R (Statistical Computing Software)
- ScriptPro (Rx Dispensing System)
- SureScripts (Rx Dispensing Program)

XV. REFERENCES

1. Stephen Waring, D.V.M., Ph.D. – Essentia Institute of Rural Health
Position: Principal Scientist
Email/Phone: stephen.waring@essentiahealth.org/218-786-1280
Address: Essentia Institute of Rural Health, 502 E 2nd St, Duluth, MN 55805
2. Kate Dean, M.B.A. – Essentia Institute of Rural Health
Position: Executive Director
Email/Phone: kate.dean@essentiahealth.org/218-786-3008
Address: Essentia Institute of Rural Health, 502 E 2nd St, Duluth, MN 55805
3. Jon Schommer, Ph.D., RPh, FAPhA - University of Minnesota, College of Pharmacy
Position: Associate Department Head and Professor, Department of Pharmaceutical Care & Health Systems
Email/Phone: schom010@umn.edu/612-626-9915
Address: University of Minnesota, College of Pharmacy – Twin Cities campus, Department of Pharmaceutical Care & Health Systems, 7-159 Weaver Densford Hall, 308 Harvard St, SE, Minneapolis, MN 55455
4. Brian Isetts, Ph.D., BCPS, FAPhA – University of Minnesota, College of Pharmacy
Position: Professor, Department of Pharmaceutical Care & Health Systems
Email/Phone: isett001@umn.edu/612-624-2140
Address: University of Minnesota, College of Pharmacy – Twin Cities campus, Department of Pharmaceutical Care & Health Systems, 7-125C Weaver Densford Hall, 308 Harvard St, SE, Minneapolis, MN 55455
5. Tim Stratton, Ph.D., RPh, FAPhA – University of Minnesota, College of Pharmacy
Position: Senior Associate Dean and Professor
Department of Pharmacy Practice & Pharmaceutical Sciences
Email/Phone: tstratto@d.umn.edu/218-726-6018
Address: University of Minnesota, College of Pharmacy – Duluth campus, Department of Pharmacy Practice & Pharmaceutical Sciences, 209 Life Science, 1110 Kirby Drive, Duluth, MN 55811

