

CURRICULUM VITAE

ANTHONY W. OLSON, Ph.D., Pharm.D., M.Ed.

ESSENTIA INSTITUTE OF RURAL HEALTH
RESEARCH DIVISION | 6 AV-2
502 EAST 2ND STREET
DULUTH MN 55805

Phone: 218-786-1754
Email: anthony.olson@essentiahealth.org

May 2023

TABLE OF CONTENTS

I. PRESENT POSITIONS 3

II. EDUCATION 3

III. HONORS & RECOGNITIONS 3

IV. RESEARCH SPECIALIZATION 5

V. PUBLICATIONS & PRESENTATIONS 6

VI. GRANTS & FUNDING AWARDS 16

VII. EXTRAMURAL FELLOWSHIPS, POSTGRAD TRAINING, & OTHER RESEARCH EXPERIENCE 18

VIII. TEACHING EXPERIENCE 19

IX. PROFESSIONAL MEMBERSHIP & SERVICE 22

X. PHARMACY PRACTICE EXPERIENCE 27

XI. OTHER WORK EXPERIENCE 30

XII. OTHER SERVICE 30

XIII. SKILLS 31

XIV. REFERENCES 32

I. PRESENT POSITIONS

- 2020 **Essentia Institute of Rural Health (EIRH)** – Research Scientist II
The focus of EIRH research is to improve our patient’s health by engaging in studies of rural healthcare delivery, government and industry-based clinical trials, and disease-related issues.
- 2020 **University of Minnesota, College of Pharmacy** – Adjunct Assistant Professor, Department of Pharmacy Practice Pharmaceutical Sciences
- 2021 **National Institute for Medical Respite & Recuperative Care (NIMRC)** – Affiliate Consultant

II. EDUCATION

- 2020 Ph.D. – University of Minnesota, Minneapolis MN
- Social & Administrative Pharmacy (SAPh)
 - Dissertation: *Patient Centeredness in Pharmacist Practice: Revealing a foundation for what counts to patients*
- 2015 Pharm.D. – University of Minnesota, 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

III. HONORS & RECOGNITIONS

- 2020 **Peters Endowment Research Scholarship** – University of Minnesota, College of Pharmacy
Awarded to a project that stimulates innovation and research advancing pharmacist practice. Funds used to support doctoral thesis titled “Patient-centeredness in Pharmacist Practice: Building a foundation for what counts to patients.”
- 2019 **Distinguished Young Pharmacist** – Minnesota Pharmacists Association
Sponsored by Pharmacists Mutual Companies, the Distinguished Young Pharmacist Award recognizes one pharmacist from each of the 50 states, who have received their Pharm.D. sometime in the last ten years, and distinguished themselves in the field of pharmacy.

- 2017 **Albert Wertheimer Leadership Fellowship** – University of Minnesota, College of Pharmacy
Awarded annually to a graduate student that has demonstrated a desire to pursue a leadership role in pharmacy.
- 2016 **Hadsall Alumni Fellowship Award** – University of Minnesota, College of Pharmacy
Awarded by graduate faculty teaching in the Social & Administrative Pharmacy Ph.D. program to the top first-year graduate student for academic performance, scholarly activity, and 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 of Minnesota – Duluth’s top service award for students is given to only three individuals university-wide who have served in at least one area where 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 **College Board Pharm.D. III Award** – University of Minnesota, College of Pharmacy
Awarded to a third-year student pharmacist for outstanding contributions to and involvement in the profession, the college, and the student body.
- 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 **Peters Achievement Scholarship**– University of Minnesota, College of Pharmacy
Awarded to a student pharmacist in recognition of financial need and extracurricular activities.
- 2014 **Student of the Month** - Rho Chi Honor Society, University of Minnesota, College of Pharmacy 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.

- 2013 **Spokesman of the Year** - APhA-ASP/Minnesota, University of Minnesota Chapter
Awarded to the member that best represents and advocates for the mission and vision of the organization.
- 2012 **Peters Leadership Circle Scholarship** – University of Minnesota, College of Pharmacy
Awarded to a student pharmacist with strong communication skills who have demonstrated excellence by leading a new initiative.
- 2007 **Special Congressional Recognition**, The United States Congress
Awarded for founding and leading a service program to help rebuild the Gulf Coast after Hurricane Katrina.
- 2003 **Buntrock Scholarship**, St. Olaf College (\$96,000)
Awarded to incoming St. Olaf students with outstanding academic accomplishment and exemplary achievement across the high school experience. This is the top academic scholarship provided by the college and awarded to less than 30 students annually.

IV. RESEARCH SPECIALIZATION

My T3/T4 translational research investigates team-based, community-integrated 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. In these areas, pharmacists have the potential to integrate information and referrals with community-based organizations offering services to address unmet health-related social needs. The work is grounded in person-centered care principles; health behavior theories; implementation science; health-related social needs; and cognitive, social, and behavioral psychology. Areas of research specialization include: (1) evaluation of patient preferences and experiences of care encounters (2) patients' processing of medication information and resultant decision-making, (3) health services program evaluation, (4) health systems improvement, and (5) 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 throughout the life course of individuals and populations via community-integrated care approaches, (b) development and assessment of team-based approaches for tailoring care within and adjacent to patient encounters that create capacity for health goal achievement and need fulfillment, and (c) dissemination, implementation, and pragmatic evaluation of the resulting patient-reported and clinical outcomes of these interventions in practice.

V. PUBLICATIONS & PRESENTATIONS

Peer-Reviewed Publications *Published or Accepted for Publication*

1. **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*. In press.
2. 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
3. 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
4. Adekunle OA, **Olson AW**, Schommer JC, Brown LB. (Dec 2022). Investigation of Predictors Influencing Patient-Pharmacist Relationship Establishment. *Journal of the American Pharmacists Association*. In Press.
5. 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*. In press.
6. Rossom RC, Crain AL, O'Connor PJ, [and 17 others, including **Olson AW**]. (Nov 2022). Design of a Pragmatic Trail to Improve Screening and Treatment of Opioid Use Disorder in Primary Care. *Contemporary Clinical Trials*, 124(2023). doi:10.1016/j.cct.2022.107012
7. 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
8. **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
9. **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

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

10. **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
11. 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
12. **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
13. **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
14. 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.
15. 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*. Published online. doi:10.1007/s11414-020-09724-2.
16. 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.
17. 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.
18. **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.

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

19. **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.
20. 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.
21. 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.
22. 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.
23. **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.
24. 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 Under Review for Publication

1. Stratton TP, **Olson AW**. (Apr 2023). Personalizing Personalized Medicine: The confluence of pharmacogenomics, a person's medication experience, and ethics. Submitted to *Pharmacy: A Journal of Pharmacy Education and Practice*.

Peer-Reviewed Journal Collection or Special Issue Editor

1. **Olson AW** & Brown JT. (Nov 2022). 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.
2. Schommer JC & **Olson AW**. (Nov 2021). Pharmacy Services – Topical Collection. *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)

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. Murry L, Urmie J, **Olson AW**. (Mar 2023) Item Development for Patient-Centered Care Preferences using a Three-Archetype Heuristic: An Exploratory Study. Poster **presented** for the 169th Annual Meeting of the American Pharmacists Association, Phoenix AZ.
2. 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.
3. **Olson AW**, Harry M, Doheny B, Kuentler 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. Poster **presented** at the 29th Annual Health Care Systems Research Network Conference, Denver CO.
4. Wright E, Rossom R, Bart G, [and 13 others, including **Olson AW**]. (Feb 2023). Frequencies of Opioid Use Disorder Identification Using a Predictive Model in Primary Care. Podium presented at the 29th Annual Health Care Systems Research Network Conference, Denver CO.
5. Waring S, Stevens T, Stone K, Hines R, **Olson AW**. (Feb 2023). Implementing Pharmacogenomics in Clinical Practice: Challenges, Realities, Progress. Podium presented at the 29th Annual Health Care Systems Research Network Conference, Denver CO.
6. **Olson AW**, Rapps M, Allen N, St. John R, Harry M, Waring S, et al. (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.
7. Anderson H, **Olson AW**, Kern M, Wright E. (Apr 2022). Prevalence of Medications- or 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.

Peer-Reviewed Scientific Abstracts Presented or Accepted for Presentation

8. 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.
9. **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.
10. **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.
11. **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).
12. **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.
13. **Olson AW** & Schommer JC. (Aug 2018). Pharmacist-delivered Patient-centered Care: Exploring an untested assumption. Podium **presented** at the 18th Midwest Social and Administrative Pharmacy Conference, Madison, WI.
14. **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 10th International Social Pharmacy Workshop, Leuven, Belgium.

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

15. Schommer JC, Cernasev A, Hillman L, **Olson AW**. (Jul 2018). Assembling a Layered Approach for Medication Optimization. Workshop **presented** at the 10th International Social Pharmacy Workshop, Leuven, Belgium.
16. **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.
17. **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.
18. **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 and Administrative Pharmacy Conference, Ann Arbor, MI.
19. **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 and Administrative Pharmacy Conference, Ann Arbor, MI.
20. 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 9th International Social Pharmacy Workshop, Aberdeen, Scotland.
21. **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.
22. **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.

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

23. **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.
24. 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.
25. 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.
26. 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.
27. **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.
28. **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.
29. **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.

Professional Editorials & Periodicals Published or Accepted for Publication

1. **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>

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

2. 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
3. **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>
4. 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
5. **Olson AW**, Hastings TJ. (Jan 2019). Fulfilling the oath. *Journal of the American Pharmacists Association*, 59(1). doi:10.1016/j.japh.2018.11.011.
6. 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
7. **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>.
8. 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*.
9. **Olson AW**, Gagnon M, Van Hooser J. (Aug 2014). Extended-release niacin/Iaropiprant: No additional cardiovascular risk reduction seen in patients already on a statin. *Essentia Health System Newsletter*.
10. **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.

Professional Books & Chapters *Published or Accepted for Publication* (cont'd)

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. 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.
2. Isetts BJ, **Olson AW**, Schommer JC. (Sep 2015). Community Pharmacy Foundation: A 10-year program evaluation. Presented to the Community Pharmacy Foundation, Chicago IL.

Invited Scientific Presentations *Presented or Accepted for Presentation*

1. 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.
2. 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..
3. 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.
4. **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.
5. **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.

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

6. **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**, 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.
2. **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.
3. **Olson AW** & Kuenstler E. (Nov 2021). Resourceful: Facilitating community integrated care. **Presented** at Essentia Health's Grand Rounds, Duluth, MN.
4. **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.
5. **Olson AW**, Hastings TJ, Hohmann NS, et al. (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.
6. **Olson AW**, Mone M, Gaines J, et al. (Mar2019). APhA-ASP 50th Anniversary: Lessons from Leaders. **Panelist** at the 165th Annual Meeting of the American Pharmacists Association, Seattle, WA.
7. **Olson AW**, Hastings TJ, Hohmann LA, et al. (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.
8. Lepp G & **Olson AW**. (Nov 2014). Conflict management: & communication in practice. **Presented** at a monthly meeting of the Duluth Area Pharmacists, Duluth MN.
9. **Olson AW**. (Jul 2014). Medication disposal protocols at Methodist Hospital. **Presented** at lunch forum at Park Nicollet Methodist Hospital, Saint Louis Park, MN.

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

10. **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.
11. **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.

VI. GRANTS & FUNDING AWARDS

- 2023 – 2025 **United Health 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 – 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 **National Institutes of Health, National Institute of Drug Abuse - Research on Emerging Areas Critical to Human Health (REACH/NIH L70; \$100,000)**
The NIH (L70) is a loan repayment program award 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 – 2023 **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 CO-INVESTIGATOR**
 This study (NIDA CTN-0095) evaluated an Opioid Use Disorder – Clinical Decision Support (OUD-CDS) intervention in comparison to usual care at three large diverse care systems. As the co-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 R
- 2014 – 2016 **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 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 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.
- 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.

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

- 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 defined and described the purpose and process of assessing for drug therapy problems with an emphasis on real-world applicability.
- 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 an approach for 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. PROFESSIONAL MEMBERSHIP & SERVICE

Present Memberships

2020-present Academy Health
2020-present Health Care Systems Research Network (HCSRN)
2020-present Patient-Centered Outcomes Research Institute (PCORI) Ambassador Program
2015-present American Association of Colleges of Pharmacy (AACP)
2011-present American Pharmacists Association (APhA)
2011-present Minnesota Pharmacists Association (MPhA)
2011-present Duluth Area Pharmacists (DAP)

Past Memberships

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 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

Service to the Health Care Systems Research Network (HCSRN)

2023-present HCSRN Annual Conference Planning Committee
2023-present HCSRN Virtual Data Warehouse Implementation Group - Pharmacy, Scientific lead
2022-present HCSRN Awards Subcommittee, Member
2021-present HCSRN Pharmacy Scientific Interest Group, Founding member
2022-2023 HCSRN Virtual Data Warehouse Implementation Group - Vital Signs, Scientific Co-lead

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

2022-present Reimagine Essentia Steering Committee, Member

Service to Essentia Health (EH)/Essentia Institute of Rural Health (cont'd)

2020-present EH Healthcare and Homelessness 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

Service to the American Pharmacists Association (APhA)

2023-present Journal of the American Pharmacists Association, Editorial Advisory Board

2021-present APhA House of Delegates, Academy of Pharmaceutical Research and
2016-2019 Science (APRS), Delegate

2022-present 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 Abstract Reviewer

2014–2016 APhA House of Delegates, Minnesota Pharmacists Association, Delegate

2011–2014 APhA – ASP Student Political Action Network, Member

Service to the Bob Tavani House for Medical Respite

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

2020 Advisory Committee

Service to Minnesota Department of Health

2021 Minnesota Health Loan Forgiveness Program, Reviewer
2023

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-present Professional and Organizational Affairs Committee, Member
- 2015-present 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 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.
- 2012 – 2014 Co-Treasurer
Ensure fiscal health and resource allocation to achieve the organization’s vision, mission, and goals.

Service to Professional Journals – Reviewer

- 2022-present Exploratory Research in Clinical and Social Pharmacy
- 2021-present American Journal of Health-System Pharmacy

Service to Professional Journals – Reviewer (cont'd)

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

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

2018-present Innovations in Pharmacy

2015-present Journal of the American Pharmacists Association

2015-present Research in Social & Administrative Pharmacy

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

2021-present Student Career Exploration Project, Presenter

2021-present Rural Health Collective, Member

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

2020–present Pharm.D. Admissions, Interviewer

2020–present Pharmacy Alumni Society - University of Minnesota College of Pharmacy
Member, 2017 - present
Board Member, 2020 – present
Co-Chair of the Events and Special Projects Committee, 2021-present
Secretary-Treasurer, 2021-2022

2020-present Minnesota Promoting a Connected Community (MNPACC) – University of Minnesota College of Pharmacy, Group Leader

2020-2022 Pharm.D. Interview Day Admission Panelist

2020-2022 PEDRX, Small Group Discussion Leader

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

2018–present 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

2015 - 2018 Council of Graduate Students, Program Representative

2015 - 2016 Weaver Public Engagement & Social Responsiveness Grant, Reviewer

Service to the University of Minnesota – College of Pharmacy, Pharm.D. Student

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 in preparation for reaccreditation by the American Association of Colleges of Pharmacy (AACCP).

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

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

- 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.

X. PHARMACY PRACTICE EXPERIENCE (Minnesota License 122705)

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.
- 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.
- 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.

Advanced Pharmacy Practice Experiences (cont'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)

XI. 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.

XII. 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 2019.

XIII. SKILLS

Dedoose (Qualitative Data Analysis)
Epic (Electronic Health Record)
ScriptPro (Rx Dispensing System)
Beacon (Rx Dispensing System)
Outcomes (MTM Documentation System)
SureScripts (Rx Dispensing Program)
Microsoft Word, Excel, PowerPoint
IBM SPSS (Statistical Computing Software)
NVIVO (Qualitative Data Analysis)
R (Statistical Computing Software)

XIV. 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, BCPS, 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