School of Medicine and Public Health
UNIVERSITY OF WISCONSIN-MADISON

# CURRICULUM VITA
# ANDREW QUANBECK, PH.D.

## PERSONAL DATA

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## EDUCATION

| | |
|---|---|
| 2012 | University of Wisconsin–Madison, PhD, Industrial and Systems Engineering<br>Specialty: Health systems engineering/health economic analysis. Dissertation: Cost variation in addiction treatment: An examination of process |
| 2001 | University of Wisconsin–Madison, BS, Industrial and Systems Engineering |

## CURRENT POSITIONS AND APPOINTMENTS

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| 2023– | Associate Professor (tenured), Department of Family Medicine and Community Health, University of Wisconsin School of Medicine and Public Health, Madison, WI |
| 2025– | Associate Director of Research, University of Wisconsin-Madison Osher Center for Integrative Medicine, Madison, WI |
| 2014– | Honorary Faculty Associate, Department of Industrial and Systems Engineering, College of Engineering, University of Wisconsin, Madison, WI |

## PAST POSITIONS AND APPOINTMENTS

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| 2017– 2023 | Assistant Professor (tenure track), Department of Family Medicine and Community Health, University of Wisconsin School of Medicine and Public Health, Madison, WI |
| 2017– 2023 | D&I Research Faculty, Institute for Clinical and Translational Research |

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| 2012–2014 | Research Scientist, Center for Health Enhancement Systems Studies, University of Wisconsin, Madison, WI |
| 2007–2012 | Associate Scientist, Center for Health Enhancement Systems Studies, University of Wisconsin, Madison, WI |
| 2005–2006 | Research Assistant, Center for Health Enhancement Systems Studies, University of Wisconsin, Madison, WI |
| 2001–2005 | Senior Application Engineer, York International Corporation, Denver, CO |
| 1999–2001 | Quality Improvement Engineer, Harley-Davidson Motor Company, Milwaukee, WI |

## HONORS AND AWARDS

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| 2026 | H.I. Romnes Faculty Fellowship. This award recognizes and supports faculty up to six years past their first promotion to a tenured position and provides a $60,000 research award that may be spent over five years. |
| 2026 | Invited plenary speaker at the 2026 International Congress on Integrative Medicine & Health in Salt Lake City, UT. |
| 2025 | The Paster Family Foundation Salutogenic Science Award. This award recognizes innovative academic work focused on growing the understanding of salutogenic science in balance with pathogenic science. Salutogenesis (salute: health, genesis: the origins of) explores ways to help people stay well and reach their ultimate potential through health, resilience, and living well. |
| 2025 | Vilas Mid-Career Investigator Award. These awards recognize excellence in research and teaching and provide up to $100,000 in flexible funding over three years for research, publication, and other expenses related to scholarly activity. |
| 2024 | Invited plenary speaker at NIH-hosted conference on the Science of Dissemination and Implementation in Health, Arlington, VA. |
| 2024 | Chair of the Osher Center for Integrative Medicine's Collaborative Research Committee. The eleven grantees, operating in conjunction with highly respected medical schools and medical centers, support activity in the areas of education, research, and clinical services. They emphasize the combined use of modern medicine with complementary therapies and established healing practices to promote health and wellness. |
| 2022 | Ranked seventeenth in the nation in the 2022 Blue Ridge Institute for Medical Research (BRIMR) family medicine principal investigator (PI) rankings. |
| 2022 | Faculty advisor for Educational Programs at the Center for Dissemination & Implementation at Stanford (C-DIAS). The overarching mission of the C-DIAS is to advance the science of implementation and improve equitable access to the best addiction treatments available for the people who need them the most. |

2019 Received Scheckler award for outstanding research publication by faculty member in the Department of Family Medicine and Community Health

2019 Invited to present on a panel of “successful K awardees” at the NIH-hosted Collaborative Research on Addiction training conference, Bethesda, MD. This invitation was made to recognize my achievement of receiving two NIH R01 grants as a PI in year 4 of my K01 mentored research scientist career award. I was the only K awardee in my cohort of 128 awardees from R1 institutions nationally to receive two R01s as PI during the term of my K award

2019 Received Best Symposium award at the 2019 Society for Implementation Research Collaboration annual meeting, Seattle, WA

2018 Nominated by the UW Institute for Clinical and Translational Research to represent the Institute at the Un-Meeting: Addressing the opioid crisis through translational science, June 2, University of Rochester Medical Center, Rochester, NY. This meeting was organized by the Center for Leading Innovation and Collaboration, which is the coordinating center for the CTSA program

2017 Named among top five new investigators at the 2017 Society for Implementation Research Collaboration annual meeting, Seattle, WA

2017 Selected for the AcademyHealth “Best of the Annual Research Meeting” session, awarded to the top seven rated abstracts of more than 2000 submitted, New Orleans, LA

2015 Selected participant in the Training Institute for Dissemination and Implementation Research in Health sponsored by NIH and NIC, Pasadena, CA

2014 Selected participant at the National Academy of Engineering’s Frontiers of Engineering Symposium, Anaheim, CA

2010 Bollinger Award nominee, University of Wisconsin Madison, WI

## PROFESSIONAL SOCIETY MEMBERSHIPS

2011– American Public Health Association

2010– Academy of Management

2010– AcademyHealth

2010– Addiction Health Services and Research

## GRANT SUPPORT

Active Grants:

**KUMC_2026 (FP00017862)** **CMS** **2026**
**State of Kansas Rural Health Transformation Plan: Computerized Cognitive Behavioral Health Therapy**

Amount of award: $6,000,000
PI: M. Byerly.
My role: Co-I
Effort: 40%.
The THRIVE Kansas Digital Mental Health Initiative is a CMS funded, statewide, evidence-based digital therapeutic strategy designed to expand access to treatment for depression, substance use disorders (SUD) and other mental disorders in rural Kansas. The initiative deploys validated computerized mental health interventions supported by community-based facilitation integrated into rural primary care, behavioral health, and community settings.

**DFMCH Small Grant** **2026-2027**

**Gathering Stakeholder Perspectives Influencing the Adoption and Sustainability of Artificial Intelligence Algorithms to Identify Alcohol Use Disorder Risk from Electronic Health Records**
Amount of award: $24,574
PI: A. Quanbeck.
My role: PI
Effort: 2% In-Kind.
To characterize prospective stakeholder perspectives, including patients, care teams, healthcare organizations, and environmental/system-level factors, that influence the adoption, implementation, and sustainability of artificial intelligence, based algorithms designed to identify alcohol use disorder (AUD) risk from electronic health records. This work aims to inform the responsible integration of AI tools into clinical workflows. Ultimately, appropriate use of these algorithms has the potential to improve care quality, reduce healthcare costs, and enhance early identification and referral of patients from primary care to hepatology for intervention on previously unrecognized AUD.

**1R01AA030470-01A1** **NIH/NIAAA** **2023-2028**
***Testing an mHealth System for Integrating Alcohol Use Treatment with Hepatology Care for Patients with Alcohol-associated Liver Disease***
Amount of award: $2,322,009
PI: A. Quanbeck.; J. Mellinger; R. Brown.
My role: Multiple PI.
Effort: 16%.
The investigators will perform a randomized controlled trial testing the effect of a proven smartphone application for alcohol cessation (called CHESS Health Connections app) on alcohol cessation among patients with alcohol-associated liver disease at two medical centers in Michigan and Wisconsin.

**1R13DA058506-01** **NIH** **2023–2028**
***The Addiction Health Services Research (AHSR) Conference***
Amount of award: $99,500
PI: R. Brown; A Quanbeck
My role: Co-Primary Investigator
Effort: In-kind.
This project will support the Addiction Health Services Research (AHSR) Conference. This program aims to improve research capacities by increasing the level of collaboration between established investigators and junior researchers. This conference disseminates research related to preventing and treating substance use disorders and complications, encouraging the development and support of Early Investigators and Minority Investigators, developing future collaborative relationships between leading and emerging researchers in addiction health services research, implementation science, and related areas, and calling for abstracts and research that address the distribution of addiction health services.

**1R01DA055527-01A1** **NIH/NIDA** **2021–2026**
***Clinic-level implementation of mHealth to improve HIV viral suppression for patients with substance use disorders***
Amount of award: $3,033,597.
PI: A. Quanbeck; R. Westergaard.
My role: Multiple PI.
Effort: 17.5%.
This project proposes to test the effectiveness of a combination of strategies that can be integrated into an HIV clinical practice to reduce HIV-related health disparities, including an evidence-based mobile health app and peer mentoring.

**1UG1EY032446-01** **NIH/NEI** **2021–2026**
***I-TRUST: Implementation of Teleophthalmology in Rural Health Systems Study***
Amount of award: $4,060,890.00.
PI: Y. Liu.
My role: Co-Investigator.
Effort: 5%.
Teleophthalmology has the potential to dramatically expand access to preventative care, particularly for the 60 million Americans living in rural communities. This study aims to determine the effectiveness of an evidence-based, stakeholder-centered implementation program, I-SITE, for sustaining increased diabetic eye screening rates in rural health systems at 18 months after initiation of I-SITE implementation compared to usual care teleophthalmology.

Completed Grants:

**1R01AA024150-01A1** **NIH/NIAAA** **2018-2025**
***Integrating mHealth for alcohol use disorders into clinical practice***
Amount of award: $ 3,252,295.
My role: PI.
Effort: 20%.
This project aims to study whether mobile health systems can help primary care patients recover from alcohol use disorders.

**1R01DA047279-01** **NIH/NIDA** **2018-2023**
***Promoting the implementation of clinical guidelines for opioid prescribing in primary care using systems consultation***
Amount of award: $3,527,274.
My role: PI.
Effort: 20%.
The goal of this study is to determine how to implement safer opioid prescribing practices as efficiently and effectively as possible.

**1R18HS026853-01A1** **AHRQ** **2020–2023**
***Using Smart Devices to Implement an Evidence-based eHealth System for Older Adults***
Amount of award: $1,987,467.
PI: D. Gustafson.
My role: Co-I.
Effort: 5%.

This study tests the ability of voice-activated technology to expand the implementation and sustain the use of a proven electronic health system.

**WPP4358 Wisconsin Partnership Program 2019–2022**
***Institute for Clinical and Translational Research (ICTR)***
Amount of award: $10,200,000.
PI: A. Brasier; E. Burnside.
My role: Implementation Specialist.
Effort: 12%.
The long-term goal of this program is to advance health outcomes, improve health equity, and move UW/Marshfield Clinic Research Institute (MCRI) research discoveries to statewide application via meaningful engagement of Wisconsin citizens. The Dissemination and Implementation Launchpad is a consulting service that aims to launch proven health-related innovations from research to clinical and community practice in Wisconsin and beyond.

**1UL1TR002373-01 NIH/NCATS 2017-2022**
***Clinical and translational science award***
Amount of award: $30,926,771.
PI: M. Drezner.
My role: Faculty consultant.
Effort: 10%.
This Clinical and Translational Science Award-funded initiative provides expert consultation on dissemination and implementation research model and frameworks to researchers from across the University of Wisconsin – Madison's research enterprise. I am an implementation consultant in this project.

**R13DA044722 NIH/NIDA 2017-2022**
***Patients, populations, and processes: Multidisciplinary approaches to addiction health services improvement.***
Amount of award: $15,000.
PI: R. Brown; A. Quanbeck.
My role: Multiple PI.
Effort: In kind.
Through this conference planning grant, I coordinate the planning and hosting of the Addiction Health Services Research annual conference.

**4UH3DA044826-03 NIH/NIDA 2019-2022**
***Community-based, client-centered prevention homes to address the rural opioid epidemic***
Amount of award: $$781,715.
PI: R. Westergaard.
My role: Faculty consultant.
Effort: In kind.
This project proposes a multi-phase, mixed-methods study that aims to implement and evaluate a novel community response model, which we have named the Community-Based, Client-Centered Prevention Home, to combat rural opioid use in Wisconsin. I am an implementation consultant in this project.

**1K01DA039336 NIH/NIDA 2015-2020**
***Conceptualizing the problem of implementation: A systems engineering perspective applied in substance abuse treatment***

Amount of award: $733,630.
My role: PI.
Effort: 50%.
The NIH gives such awards as this one to launch an independent research careers in implementation science. The research plan I have undertaken addresses the problem that very few new evidencebased practices reach patients. The plan seeks to develop new approaches to assess whether an organization is likely to adopt a new proven practice using multi-attribute utility theory. This new approach may ultimately improve the quality of healthcare by boosting its adoption of proven best practices.

**PRIV-20170719** **UWHealth Innovation Program** **2017-2019**
***Shared decision-making training for breast and lung cancer screening***
Amount of award: $133,104.
PI: S. Schrager.
My role: Co-investigator.
Effort: In kind.
This project aims to implement a shared decision-making tool for breast and lung cancer screening in primary care settings. I serve as an implementation advisor.

**WPP3152** **Wisconsin Partnership Program** **2016-2019**
***Screening in trauma for opioid misuse potential***
Amount of award: $499,293.
PI: R. Brown.
My role: Co-investigator.
Effort: In kind.
This project seeks to develop protocols to detect opioid risk early in the course of pain management and, ultimately, to intervene to prevent opioid misuse, addiction, and related complications. I serve as an implementation advisor.

**WPP3086 PILOT** **Wisconsin Partnership Program** **2016-2018**
***Patient engagement in care redesign: Identifying effective strategies for measuring and scaling the intervention***
Amount of award: $150,000.
PI: N. Pandhi.
My role: Co-investigator.
Effort: 3%.
This project aimed to identify program modifications needed to spread a successful patient engagement training program, including toolkits, across Wisconsin and beyond.

**R34-DA-036720-01** **NIH/NIDA** **2014-2017**
***Physician coaching to reduce opioid-related harms***
Amount of award: $3,799,247.
PI: A. Quanbeck; R. Brown.
My role: Multiple PI.
Effort: 19%.
This project pilot tested a strategy for improving the safety of opioid prescribing for chronic pain patients in primary care. The strategy, ultimately called systems consultation, was modified during the pilot test and proved successful. The long-range goal is this work to develop an approach for moving evidencebased practices into wide use in healthcare generally.

**5R01DA034279-02** **NIH/NIDA** **2012-2017**

***Implementing technology-assisted drug treatment and relapse prevention in FQHCs***

Amount of award: $3,658,101.
PIs: D. Gustafson; L. Marsch.
My role: Co-I.
Effort: In kind.
Mobile technology offers the promise of delivering care less expensively, more reliably, and in a way that is more responsive to individual patients than the current system. This project tested the implementation of a proven smartphone application to treat substance use disorders among patients in three federally supported primary care clinics. Although patients used and benefited from the technology, clinician uptake of the system was minimal. I was responsible for implementation coaching and the economic analysis.

**5R01DA030431-03** **NIH/NIDA** **2012-2017**

***Testing a payer/treatment agency intervention to increase the use of buprenorphine***

Amount of award: $1,906,625.
PI: T. Molfenter.
My role: Researcher.
Effort: 19%.
This study assessed the effects of payer and organizational system changes versus organizational changes alone in delivering buprenorphine (an evidence-based practice) to treat opioid addiction. The study showed a positive effect of payer involvement vs. organizational changes alone. My role was to serve as an implementation advisor.

**5P50HS019917-04** **NIH/AHRQ** **2011-2017**

***Bringing communities and technology together for healthy aging***

Amount of award: $9,502,788.
PI: D. Gustafson.
My role: Researcher.
Effort: In kind.
The Active Aging Resource Center funded by this award developed, tested, and disseminated a lowcost, integrated information and communication technology-based system to address key reasons older adults leave their homes, while also creating an environment that fostered new community-based pilot projects. I was responsible for conducting the cost-effectiveness analysis.

**5R01DA020832** **NIH/NIDA** **2006-2011**

***Evaluating improvement strategies in addiction treatment***

Amount of award: $7,584,181.
PI: D. Gustafson.
My role: Scientific manager.
Effort: 80%.
This study sought to improve the quality of addiction treatment services by assessing different methods of quality improvement. Called NIATx 200, the study was at the time the largest randomized trial of organizational change conducted in the US addiction treatment system and among the largest trials of its kind ever conducted in healthcare. I managed the day-to-day conduct of the study. In addition, I was responsible for conducting the study's cost-effectiveness analysis, implementing the protocol, managing the evaluation, and writing manuscripts for publication in peer-reviewed journals.

**PUBLICATIONS**

Peer-Reviewed

1. Li, X., Chih, MY., Herzog, M., Gordon, J., Park, LS., Brown, R., **Quanbeck, A**. Cost-effectiveness analysis of digital medicine support models for alcohol use disorder. npj Digit. Med. (2026). doi: 10.1038/s41746-026-03422-7.

2. Herzog M**,** Park L, **Quanbeck A**. Health System- and Payer-Level Decision-Making Processes Influencing the Adoption and Sustainability of Patient-Facing Digital Health Tools: Qualitative Study J Med Internet Res 2026;28:e97536. doi: 10.2196/97536. PMID: 42600162.

3. He C, Edwards J, Park LS, Herzog M, Li X, Pulvermacher A, Mundt MP, Brown R, Mellinger J, **Quanbeck A**. Implementation of Mobile-Based Programs for Alcohol Cessation in the Treatment of Alcohol-associated Liver Disease: Protocol for a Type 1 Hybrid Implementation-Effectiveness Trial. JMIR Res Protoc. 2026 May 29;15:e94231. doi: 10.2196/94231. PMID: 42214070.

4. Song, Y., Speth, K., Kilbourne, A., **Quanbeck, A**., Almirall, D., Wang, L. Q-Learning with clustered-SMART (cSMART) data: Examining moderators in the construction of clustered adaptive interventions. (2025) https://doi.org/10.48550/arXiv.2505.00822

5. **Quanbeck A**, Li X, Cohen A, Butzine E, Brown RT. Budget Impact Analysis of the Balanced Opioid Initiative: A Cluster Randomized Trial Aimed at Deprescribing Opioids for Chronic Pain in Primary Care Settings. Ann Fam Med. 2026 Jan 26;24(1):36-43. doi: 10.1370/afm.250171.

6. Garza RH, Jacobson N, Cohen A, Landeck J, Schumacher N, Lundwall R, **Quanbeck A**. Using the Framework for Reporting Adaptations and Modifications to Evidence-Based Implementation Strategies (FRAME-IS) to Document Modifications to a Multilevel Deimplementation Strategy Aimed at Reducing Opioid Prescribing for Chronic Pain. Implement Res Pract. 2026 Jan 5;7: doi: 10.1177/26334895251407338.

7. Xie, Q., Goldberg, S. B., Jacobson, N., Rakel, D., & **Quanbeck, A.** Moving Beyond One-Size-Fits-All: Charting a Path to Personalized Nonpharmacological and Noninvasive Chronic Pain Management. Journal of Pain Research. Dec 31;18:7335-7349. doi: 10.2147/JPR.S568016.

8. Jacobson N, Park L, Pulvermacher A, Voelker S, Herzog M, **Quanbeck A.** Exploring Fit in a Mobile Health Intervention for Alcohol Use Disorder: Qualitative Study JMIR Mhealth Uhealth 2025;13:e6521 URL: https://mhealth.jmir.org/2025/1/e65218 DOI: 10.2196/65218

9. Westergaard, R., Ballard, H., Gicquelais Firnhaber, C., Miller, R., Wolman, M., Liebert, C., Steely, E., Mundt, M., Park, L., **Quanbeck A.** Health system-level implementation of digital health support for people living with HIV and substance use disorders: Protocol for a cluster-randomized, stepped-wedge clinical trial. (2025). *JMIR Res Protoc.* http://dx.doi.org/10.2196/69842

10. Matson TE, Hermes EDA, Lyon AR, **Quanbeck A**, Schueller SM, Wilson SM, Glass JE. A framework for designing hybrid effectiveness-implementation trials for digital health interventions. *Annals of Epidemiology*. 2025;104:35-47. doi: 10.1016/j.annepidem.2025.02.007

11. Hennessy Garza R, Mahoney JE, Burns M, **Quanbeck A.** Connecting the bibliographic-directed citation networks of translational research and implementation science. *Journal of Clinical and Translational Science*. 2025;9(1):e64. doi:10.1017/cts.2025.11

12. Plavin, J., **Quanbeck, A**., Cherkin, D., Grover, K., & Osher Collaborative Research Committee. (2025). Implementation of Evidence-Based Integrative Health Approaches—A Call to Action. *Journal of Integrative and Complementary Medicine*. doi:10.1089/jicm.2025.0074

13. Pandhi, N., Jacobson, N., Crowder, M., **Quanbeck, A.**, Sarah, D. (2024) Identifying potential outcomes of patient engagement in primary care quality improvement: a modified Delphi study. *Journal of Evaluation in Clinical Practice.* https://doi.org/10.1111/jep.14199

14. **Quanbeck, A.**, Robinson, J., Jacobson, N., Li, X., Hennessy-Garza, R., Landeck, J. K., Cohen, A., Madden, L. M., Pulvermacher, A. Brown, R. T (2024) 4 Strategies to De-implement Opioid Prescribing in Primary Care. JAMA Netw Open. 2024;7(10):e2438325. doi: 10.1001/jamanetworkopen.2024.38325

15. **Quanbeck, A.**, Chih, M. Y**.,** Park, L.**,** Li, X., Xie, Q., Pulvermacher, A.**,** Voelker, S., Lundwall, R., Eby, K., Barrett, B., & Brown, R. (2024). Testing support models for implementing an evidence-based digital intervention for alcohol use disorder: results of a pragmatic hybrid implementation-effectiveness trial. *Research square*. *Published online by NPJ Digital Medicine* https://doi.org/10.21203/rs.3.rs-4004555/v1

16. Xie, Q., Dyer, R. L., Lam, S., Frye, C., Dahl, C. J., **Quanbeck, A**., Nahum-Shani, I., Davidson, R. J., & Goldberg, S. B. (2024). Understanding the implementation of informal meditation practice in a smartphone-based intervention: A qualitative analysis. Mindfulness. DOI: https://doi.org/10.31234/osf.io/efgpk

17. Lock, L., Peterson, K., Stevens, C. L., Chen, G., **Quanbeck, A.,** & Liu, Y. (2024). Patient factors associated with diabetic eye screening receipt at baseline in the Implementation of Teleophthalmology in Rural Health Systems (I-TRUST) Study. Investigative Ophthalmology & Visual Science, 65(7), 598-598.

18. Baltes, A., Horton, D.; Trevinoz, C., **Quanbeck, A.,** Deyo, B., Nicholas, C., & Brown, R. (2024) Feasibility of implementing a screening tool for risk of opioid misuse in a trauma surgical population *Implementation Research and Practice.* DOI:10.1177/26334895231226193/ ID: IRP23-0025.R2.

19. Park, L.S., Kornfield, R., Yezihalem, M., **Quanbeck, A.,** Mellinger, J., & German, M.N. (2023). Testing a Digital Health App for Patients With Alcohol-Associated Liver Disease: Mixed Methods Usability Study. *JMIR Form Res*. DOI: 10.2196/47404

20. Kim, B., Cruden, G., Crable, E.L., **Quanbeck, A.,** Mittman, B.S., & Wagner, A.D. (2023) A structured approach to applying systems analysis methods for examining implementation mechanisms. *Implement Sci Commun* **4**, 127. DOI: 10.1186/s43058-023-00504-5

21. Park, L., Vang, A., Yang, B., & **Quanbeck A**. (2022). Barriers to Type 2 Diabetes Mellitus Management for Older Hmong Patient with Minimal English Skills: Accounts from Caregivers, Case Managers, and Providers. *Journal of Racial and Ethnic Health.* DOI: 10.1007/s40615-022-

01480-7

22. **Quanbeck, A**., Garza Hennessy, R., & Park, L. (2022). Applying Concepts from “Rapid” and “Agile” Implementation to Advance Implementation Research. *Implementation Science Communications,* 3:118. DOI: 10.1186/s43058-022-00366-3

23. McKay, J. R., Gustafson, D. H., Ivey, M., Pe-Romashko, K., Curtis, B., Thomas, T., Oslin, D.W., Polsky, D., **Quanbeck, A**., & Lynch, K.G. (2022). Efficacy and Comparative Effectiveness of Telephone and Smartphone Remote Continuing Care Interventions for Alcohol Use Disorder: A Randomized Controlled Trial. *Addiction*, DOI: 10.1111/add.15771

24. Brown, R. T., Deyo, B., Nicholas, C., Baltes, A., Hetzel, S., Tilhou, A., **Quanbeck, A**., ... & Agarwal, S. (2022). Screening in Trauma for Opioid Misuse Prevention (STOMP): Results from a prospective cohort of victims of traumatic injury (Running head: Screening in Trauma for Opioid Misuse Prevention). *Drug and Alcohol Dependence*, 109286. PMID: 35101814

25. Park, L. S., Chih, M. Y., Stephenson, C., Schumacher, N., Brown, R., Gustafson, D., ... & **Quanbeck, A**. (2022). Testing an mHealth System for Individuals With Mild to Moderate Alcohol Use Disorders: Protocol for a Type 1 Hybrid Effectiveness-Implementation Trial. *JMIR Research Protocols*, *11*(2), e31109. DOI: 10.2196/31109 PMID: 35179502 PMCID: PMC8900897

26. Jacobson, N., Johnson, R. A., Schlabach, C., Incha, J., Madden, L., Almirall, D., ... & **Quanbeck, A**. (2021). Adoption of opioid-prescribing guidelines in primary care: a realist synthesis of contextual factors. *BMJ open, 11*(12), e053816. DOI: 10.1136/bmjopen-2021053816 PMCID: PMC8719206

27. McKay, J. R., Gustafson, D. H., Ivey, M., Pe-Romashko, K., Curtis, B., Thomas, T., Oslin, D. W., Polsky, D., **Quanbeck, A.**, & Lynch, K. G. (2021). Efficacy and comparative effectiveness of telephone and smartphone remote continuing care interventions for alcohol use disorder: a randomized controlled trial. *Addiction (Abingdon, England)*. DOI: 10.1111/add.15771 PMID: 34859519

28. Eisman, A. B., **Quanbeck, A.**, Bounthavong, M., Panattoni, L., & Glasgow, R. E. (2021). Implementation science issues in understanding, collecting, and using cost estimates: a multistakeholder perspective. *Implementation science: IS*, *16*(1), 75. DOI: 10.1186/s13012-02101143-x PMID: 34344411 PMCID: PMC8330022

29. **Quanbeck, A.**, Johnson, R. A., Saha-Muldowney, M., Resnik, F., Hirschfield, S., Meline, R. R., & Mahoney, J. E. (2021). Encouraging the scale-up of proven interventions: Infrastructure development for the" Evidence-to-Implementation" award. *Journal of clinical and translational science*, *5*(1), e160. DOI: 10.1017/cts.2021.828 PMID: 34527299 PMCID: PMC8427544

30. **Quanbeck, A.**, Almirall, D., Jacobson, N., Brown, R. T., Landeck, J. K., Madden, L., ... & Schumacher, N. (2020). The Balanced Opioid Initiative: protocol for a clustered, sequential, multiple-assignment randomized trial to construct an adaptive implementation strategy to improve guideline-concordant opioid prescribing in primary care. *Implementation science: IS*, *15*(1), 26. DOI: 10.1186/s13012-020-00990-4 PMID: 32334632 PMCID: PMC7183389

31. Pandhi, N., Jacobson, N., Crowder, M., **Quanbeck, A.**, Hass, M., & Davis, S. (2020). Engaging patients in primary care quality improvement initiatives: facilitators and barriers. *American Journal of Medical Quality*, *35*(1), 52-62. DOI: 10.1177/1062860619842938 PMID: 30999763 PMCID: PMC7392103

32. **Quanbeck, A.**, Mahoney, J., Kies, K., Judge, K., & Smith, M. (2020). Building capacity for dissemination and implementation to maximize research impact in a CTSA: The University of Wisconsin story. *Journal of Clinical and Translational Science*, *4*(3), 209-215. DOI: 10.1017/cts.2020.3 PMID: 32695490 PMCID: PMC7348013

33. **Quanbeck A.**, Mahoney J, Kies, K, Judge K, Smith M. (2019). Developing Dissemination and Implementation Capacity Within a CTSA: A Toolkit. University of Wisconsin – Madison School of Medicine and Public Health – Department of Family Medicine and Community Health, Health Innovation Program. Madison, WI.

34. **Quanbeck, A.** (2019). Using stakeholder values to promote implementation of an evidencebased mobile health intervention for addiction treatment in primary care settings. *JMIR mHealth and uHealth*, *7*(6), e13301. DOI:10.2196/13301 PMID: 31237841 PMCID: PMC6746086

35. **Quanbeck A.** (2019). Decision-framing to Incorporate Stakeholder Perspectives in Implementation toolkit. University of Wisconsin – Madison Department of Family Medicine & Community Health. Madison, WI.

36. Molfenter, T., Fitzgerald, M., Jacobson, N., McCarty, D., **Quanbeck, A.**, & Zehner, M. (2019). Barriers to buprenorphine expansion in Ohio: a time-elapsed qualitative study. *Journal of psychoactive drugs*, *51*(3), 272-279. DOI: 10.1080/02791072.2019.1566583 PMID: 30732542 PMCID: PMC6667294

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*substance abuse treatment*, *44*(3), 343-348. DOI: 10.1016/j.jsat.2012.08.017 PMID: 23021494 PMCID: PMC3616751

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Book Chapters

Alagoz E, Johnson KA, **Quanbeck A,** Gustafson D. “Addiction in the older patient.” In Sullivan & Levin (eds.) *Technology-based Interventions for Late-Life Addiction.* London: Oxford University Press. 2016

Submitted Papers

Liu Y, Chen G, **Quanbeck A**, Jacobson N, Miech EJ, Peterson K, Boyd K, Fowlkes C, Torres Diaz A, Lock LJ. Cluster-randomized trial of coaching facilitation for telemedicine-based diabetic eye screening in rural primary care clinics: the Implementation of Teleophthalmology in Rural Health Systems (I-TRUST) study protocol. Submitted to *BMJ Open*.

Durham, G., Battalahalli, A., Kilbourne, A., **Quanbeck, A.,** Pan, W., Lycurgus, T., Almirall, D. Multilevel primary aim analyses of clustered SMARTs: With applications in health policy. (2025). *Annals of Applied Statistics*. https://doi.org/10.48550/arXiv.2503.08987

Pan, W., Almirall, D., Kilbourne, A. M., **Quanbeck, A.**, & Wang, L. (2024). Finite-sample adjustments for comparing clustered adaptive interventions using data from a clustered SMART. *arXiv preprint arXiv:2405.00185*

## INVITED RESEARCH PRESENTATIONS

1. Quanbeck, A. *Implementation Science as a Catalyst to Transform Care for Chronic Pain.* International Congress on Integrative Medicine & Health Conference. [Plenary speaker] Salt Lake City, UT. April 22, 2026

2. Quanbeck, A. *The Economics of Adaptations in Implementation Research*. D&I Launchpad. University of Wisconsin-Madison. [Discussant] Madison, WI. Feb. 13, 2026

3. Quanbeck, A. *Budget Impact Analysis of the Balanced Opioid Initiative: A Cluster Randomized Trial Aimed at De-prescribing Opioids for Chronic Pain in Primary Care Settings*. National Institutes of Health. Science of Dissemination and Implementation in Health Conference. National Harbor, MD. December 17, 2025

4. Quanbeck, A. *Improving Primary Care Through Industrial and Systems Engineering*. I-PrACTISE Virtual Colloquium. University of Wisconsin Department of Family Medicine and Community Health. October 23, 2025.

5. Quanbeck, A. *Digital Health Apps to Support Recovery.* Project ECHO ACCEPT Session. University of Wisconsin Department of Family Medicine and Community Health and Wisconsin Department of Health Services, Division of Care and Treatment Services. October 17, 2025.

6. Quanbeck, A. *Moving Fast and Slow: Optimizing the Pace of Implementation*. National Institutes of Health. Science of Dissemination and Implementation in Health Conference. [Plenary Speaker] Arlington, VA. December 8-11, 2024

7. Quanbeck, A. Developing HEAL Pain Strategic Research Priorities: Implementation and Health. NIH Hosted Workshop. Washington, DC. December 5, 2024.

8. Quanbeck, A. Implementation Science Fundamentals seminar, *Implementation and De-Implementation Strategies*. Dartmouth College, Hanover, New Hampshire, November 13, 2024.

9. Quanbeck, A., Busch, A., Bradley, K., Gordon, A., & Liu, T. Opportunities and Challenges in Applying Digital Health Technology for Addiction Health Services Research. Presented at: Addiction Health Services Research Conference; October 17, 2024; San Francisco, CA.

10. Quanbeck, A. A Comparison of 4 Multi-level Strategies to De-Implement Opioid Prescribing in Primary Care: A Cluster Randomized Trial. Presented at: Addiction Health Services Research Conference; October 16, 2024; San Francisco, CA.

11. Quanbeck, A. Economic Evaluation in Dissemination and Implementation Research: Identifying Value Through Integrated Outcome. Presented at: Society for Implementation Research Collaboration; September 28, 2024; Denver, CO.

12. Quanbeck, A. *Using Digital Health to Support Reduced Alcohol Use.* Dissemination Research and Implementation Science Seminar. Madison, WI. April 12, 2024.

13. Quanbeck, A. *A cost-effectiveness analysis of telemedicine and mobile health interventions to support continuing care for patients receiving treatment for alcohol use disorder…and other explorations of cost-effectiveness related to mobile health*. Center for Dissemination and Implementation Science At Stanford (C-DIAS) and Prevention Science & Methodology Group (PSMG) Virtual Grand Rounds [visiting scholar presentation]. Stanford University, Palo Alto, CA. April 12, 2023.

14. Quanbeck, A. *Implementing substance use interventions in primary care settings.* National Institute of Drug Abuse Practice-based Research Network Special Interest Group. [oral presentation]. Bethesda, MD. April 10, 2023.

15. Quanbeck, A. *Systems Consultation: A Novel Implementation Strategy for Adopting Clinical Guidelines for Opioid Prescribing in Primary Care*. [visiting scholar presentation] Washington University guest lecture. St. Louis, MO. April 4, 2023.

16. Quanbeck, A. *Using the Framework for Reporting Adaptations and Modifications to Evidence based Implementation Strategies (frame-is) to Document Modifications to Systems Consultation in the Balanced Opioid Initiative*. [visiting scholar presentation] University of Colorado. Boulder, CO. March 21, 2023.

17. Quanbeck, A*. AHSR Early Career Workshop: Tips to Launch a Successful Career for Early Investigators.* [panel presentation] Harvard University. Cambridge, MA. February 17, 2023.

18. Quanbeck, A. *Systems Consultation: A Novel Implementation Strategy for Adopting Clinical Guidelines for Opioid Prescribing in Primary Care*. [visiting scholar presentation] Washington University guest lecture. St. Louis, MO. April 26, 2022.

19. Quanbeck, A. *Managing overload*. Implementation Research Institute Webinar. [visiting scholar presentation] St. Louis, MO. March 8, 2022.

20. Quanbeck, A. *Systems Consultation: A Novel Implementation Strategy for Adopting Clinical Guidelines for Opioid Prescribing in Primary Care.* National Institute on Drug Abuse Clinical Trials Network. Translation & Implementation Special Interest Group Early Career Investigators Meeting, Columbia University, NY, NY. Feb 28, 2022.

21. Quanbeck, A. *Implementing mHealth for alcohol use disorders.* UW Madison Gastroenterology and Hepatology Grand Rounds Presentation. Madison, WI. December 7, 2021.

22. Quanbeck, A. *Implementing mHealth for alcohol use disorders*. UW Madison Addiction Medicine Grand Rounds. December 1, 2021.

23. Quanbeck, A. *Emerging topics in implementation research*. UW Madison Disssemination & Implementation Short Course. Madison, WI. October 21, 2021.

24. Quanbeck, A. *The promise of mHealth for patients with alcohol-associated liver disease.* UW Madison Gastroenterology Division Research Meeting- May 12, 2021.

25. Quanbeck, A. *Building a career in implementation science*. Tufts University Dissemination and Implementation Special Interest Work Group. April 21, 2021.

26. Quanbeck, A*. Writing a fundable D&I research proposal.* ICTR KL2 scholars training session. Madison, WI. March 11, 2021.

27. Quanbeck, A. *Costing implementation strategies*. Economics and Implementation Science Workgroup Meeting. Palo Alto, CA. March 2, 2021.

28. Quanbeck, A. *Microcosting methods for estimating the cost of implementation strategies*. Training Institute for Dissemination and Implementation Research in Cancer (TIDIRC). [visiting scholar presentation] Washington, DC. February 15, 2021.

29. Quanbeck, A*. Mobile health apps for alcohol treatment*. Texas Research Society on Alcoholism. [visiting scholar presentation] Austin, TX. February 5, 2021.

30. Quanbeck, A. and Hennessy Garza, R. *Implementation Science in Action: The Balanced Opioid Initiative*. Research Seminar, UW–Milwaukee, Joseph J. Zilber School of Public Health. Milwaukee, WI. November 30, 2020.

31. Quanbeck, A. *Implementing mHealth for substance use disorders in primary care settings*. Implementation Science Seminar Series, [visiting scholar presentation] Columbia University, New York, NY. February 7, 2020.

32. Quanbeck, A. *Using Systems Consultation to Improve Opioid Prescribing in Primary Care: Protocol for a Sequential, Multiple-Assignment Randomized Trial (SMART)*. Prevention Science Prevention Science & Methodology Group. Northwestern University. Chicago, IL. January 14, 2020.

33. Quanbeck, A. *Supporting evidence-based interventions to the point of commercialization: The University of Wisconsin's evidence-to-implementation award.* National Center for Advancing Clinical and Translational Science Collaboration/Engagement workgroup for advancing D&I Science. Washington, DC. April 21, 2020.

34. Quanbeck, A. *Costing implementation strategies*. National Workgroup for Advancing Economic Evaluation in Implementation Research. Palo Alto, CA. April 15, 2020.

35. Quanbeck, A*. Implementation Research as part of Training in Translational Research*. KL2 Research Scholars Seminar. Madison, WI. June 5, 2019.

36. Quanbeck, A. *Implementation Research at UW-Madison*. Sonderegger Research Center Brownbag Series. Madison, WI April 4, 2019.

37. Quanbeck, A. *Prevention and Treatment of Substance Use Disorders in Primary Care*. Department of Family Medicine and Community Health Research Fellows' Seminar. Madison, WI. March 7, 2019.

38. Quanbeck, A*. D&I funding for health equity research*. University of Wisconsin Dissemination and Implementation Research Meeting. Madison, WI. November 1, 2018.

39. Quanbeck A. *Preventing and treating substance misuse in primary care through implementation science and engineering*. Population Health Sciences Monday Seminar Series, Madison, WI. October 1, 2018.

40. Quanbeck A. *Implementing clinical guidelines for opioid prescribing in primary care settings and beyond*. Wisconsin Rural Health Conference, Elkhart Lake, WI. June 28, 2018.

41. Quanbeck A. *The use of sequential, multiple assignment randomized trials (SMARTs) in implementation research*. AQORN (Access, Quality, and Outcomes Research Network) presentation, Health Innovation Program seminar, Madison, WI. June 22, 2018.

42. Quanbeck A. *The problem of implementation in healthcare organizations: an engineering perspective.* AQORN (Access, Quality, and Outcomes Research Network) presentation, Health Innovation Program seminar, Madison, WI. April 19, 2017.

43. Quanbeck A. *Study designs for D&I research.* University of Wisconsin Dissemination and Implementation Research Meeting, Madison, WI. October 12, 2017.

44. Quanbeck A. *Implementation Strategies: Converting Theory into Action*. University of Wisconsin Dissemination and Implementation Research Meeting, Madison, WI. October 7, 2016.

45. Quanbeck A. *Conceptualizing the problem of implementation: an engineering perspective*. [visiting scholar presentation] Washington University Network for Dissemination and Implementation Research (WUNDIR), St. Louis, MO. February 1, 2016.

46. Quanbeck A. *Delivery Science Summit Pre-Conference Workshop on Implementation Science*. [conference faculty presentation] Mayo Clinic Conference on the Science of Service Delivery, Rochester, MN. September 16, 2015.

47. Quanbeck A. *Systems improvement through organizational coaching.* University of Wisconsin – Madison Department of Industrial & Systems Engineering Symposium Series, Madison, WI. December 4, 2014.

**COMPETITIVE PRESENTATIONS**

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1. Quanbeck, A., Busch, A., Bradley, K., Gordon, A., & Liu, T. *Opportunities and Challenges in Applying Digital Health Technology for Addiction Health Services Research.* Addiction Health Services Research Conference. San Francisco, CA. October 17, 2024.

2. Quanbeck, A. *A Comparison of 4 Multi-level Strategies to De-Implement Opioid Prescribing in Primary Care: A Cluster Randomized Trial.* Addiction Health Services Research Conference. San Francisco, CA. October 16, 2024.

3. Quanbeck, A**.,** *Economic Evaluation in Dissemination and Implementation Research: Identifying Value Through Integrated Outcome*. Society for Implementation Research Collaboration. Denver, CO. September 28, 2024

4. Quanbeck, A. *Mobile Health (mHealth) Interventions for Alcohol Use Disorder.* [symposium chair]. Addiction Health Services Research Conference. New York, NY. October 19, 2023.

5. Quanbeck, A. *Using the framework for reporting adaptations and modifications to evidence-based implementation strategies (frame-is) to document modifications to an adaptive implementation strateg.* [panel presentation]. Washington D.C. December 13, 2022.

6. Quanbeck, A. *Implementation of mHealth, telehealth, and EHR interventions*. [Symposium; chair] 15th Annual Conference on the Science of Dissemination and Implementation. Washington D.C. December 12, 2022.

7. Quanbeck, A. *Adoption of opioid-prescribing guidelines in primary care: a realist synthesis of contextual factors.* [oral presentation] North American Primary Care Research Group, Phoenix, AZ. November 20, 2022.

8. Quanbeck, A. *Digitizing Screening, Brief Intervention, & Referral to Treatment (SBIRT)*. [oral presentation] Innovation to Impact Award Program. New Haven, CT. November 3, 2022.

9. Quanbeck, A., *An Adaptive Implementation Strategy to Promote Adoption of Clinical Guidelines for Opioid Prescribing*. [oral presentation] 2022 Society for Implementation Research Collaboration Conference. San Diego, CA. September 10, 2022.

10. Quanbeck, A., *Leveraging Translational Science Infrastructure to Advance D&I Sciences*. Annual Conference on the Science of Dissemination and Implementation in Health. Washington, DC (virtual). December 14, 2021.

11. Quanbeck, A., Mahoney, J., Stevens, K., Tobin, J., & Leppin, A. *Making Dissemination & Implementation Research Ubiquitous in Translational Science*. [panel presentation]. Translational Science. Washington, DC. April 1, 2021.

12. Quanbeck, A. *Deriving metrics for opioid prescribing guideline adherence from electronic health records.* [oral presentation]. American Society of Addiction Medicine Annual Conference, Denver, CO, April 2, 2020.

13. Quanbeck A. *Building capacity for Dissemination and Implementation Research at a Clinical and Translational Science Award Institution- the University of Wisconsin Story.* [oral presentation] Academy Health/NIH 12th Annual Conference on the Science of Dissemination and Implementation, Washington, D.C. December 5, 2019.

14. Quanbeck A and Brown R. *Using stakeholder values to promote the implementation of an evidence-based mobile health intervention for addiction treatment in primary care settings* [oral presentation]. 2019 North American Primary Care Research Group, Toronto. November 20, 2019.

15. Quanbeck A. *Mobile health for the treatment of substance use disorders.* [oral presentation]. Addiction Health Services Research Conference, Park City, UT. October 18, 2019.

16. Quanbeck A. *Applying lessons from behavioral economics to implementation research*. [oral presentation] Society for Implementation Research Collaboration, Seattle, WA. September 14, 2019.

17. Quanbeck A. *Implementing a mobile health system to integrate the treatment of addiction into primary care: Cost, penetration, and sustainability.* [oral presentation] AcademyHealth/NIH 11th Annual Conference on the Science of Dissemination and Implementation, Washington, D.C. December 4, 2018.

18. Quanbeck A. *Examining the comparative effectiveness of different implementation strategies.* [Symposium chair] Academy Health/NIH 11th Annual Conference on the Science of Dissemination and Implementation, Washington, D.C. December 3, 2018.

19. Quanbeck A and Brown R. *Implementing a mobile health system to integrate the treatment of addiction into primary care.* [oral presentation] 2018 North American Primary Care Research Group, Chicago. November 13, 2018.

20. Quanbeck A. *Implementing a mobile health system to integrate the treatment of addiction into primary care: A hybrid implementation-effectiveness study.* [oral presentation]. Addiction Health Services Research Conference, Savannah, GA. October 18, 2018.

21. Quanbeck, A. *Designs for Dissemination & Implementation Research.* [oral presentation] American Urogynecologic Society Annual Research Meeting. Chicago, IL. October 9, 2018.

22. Quanbeck A. *Implementing a mobile health system to integrate the treatment of addiction into primary care.* [oral presentation] Annual Research Meeting, Academy Health, Seattle, WA. June 25, 2018.

23. Quanbeck A. *Systems consultation: A novel implementation strategy for adopting clinical guidelines for opioid prescribing in primary care.* [oral presentation] Nordic Implementation Conference, Copenhagen, Denmark. May 28, 2018.

24. Quanbeck A, Gustafson D, Gwin-Mitchell S, Satterfield J, Wiley T. *The use of technology and engineering principles in implementation research.* [Symposium; chair] AcademyHealth/NIH 10th Annual Conference on the Science of Dissemination and Implementation, Washington DC. December 6, 2017.

25. Quanbeck A, Bauer M, Gallo C, Chung A, Diana A. *Challenges and opportunities associated with implementation of remote health technologies.* [Symposium; chair] AcademyHealth/NIH 10th Annual Conference on the Science of Dissemination and Implementation, Washington DC. December 4, 2017.

26. Quanbeck A, Powell B, Chinman M. *Introduction to implementation science.* [presentation] Society for Medical Decision Making, Pittsburgh, PA. October 21, 2017.

27. Quanbeck A, Garner B, Deyo B, Madden L, Molfenter T, Aarons, G. *Implementation research in addiction health services.* [Symposium; chair] Addiction Health Services Research Conference, Madison, WI. October 19, 2017.

28. Quanbeck A. *Promoting the adoption of clinical guidelines for opioid prescribing in primary care.* [oral presentation] Society for Implementation Research Collaboration, Seattle, WA. September 9, 2017.

29. Quanbeck A. *Systems consultation: A novel implementation strategy for the adoption of clinical guidelines in primary care.* [oral presentation] Annual Research Meeting, Academy Health, New Orleans, LA. June 16, 2017.

30. Quanbeck A & Brown R. *A comprehensive primary care/systems engineering partnership model aimed at mitigating the prescription opioid epidemic.* [oral presentation] The National Collaborative for Improving Primary Care Through Industrial and Systems Engineering, Madison, WI. April 25, 2016.

31. Quanbeck A. *Implementing an mHealth technology for addiction treatment in primary care: an engineering perspective.* [oral presentation] Annual Research Meeting, Academy Health/NIH 8th Annual Conference on the Science of Dissemination and Implementation, Washington, DC. December 14, 2015.

32. Quanbeck A, Molfenter T, Brown R, Mares ML, Glass J. *Innovative implementation strategies in addiction health services research.* [symposium; chair] Addiction Health Services Research Conference, Los Angeles, CA. October 16, 2015.

33. Quanbeck A. *Best practices for implementation of mHealth technologies.* [Panel discussant] mHealth Summit, Washington DC. December 10, 2014.

34. Quanbeck A. *Return on investment for mHealth.* [Panel discussant] mHealth Summit, Washington DC. December 8, 2014.

35. Quanbeck A, Brown R, Glass J, Molfenter T. *Using technology to promote the integration of care.* [oral presentation] Addiction Health Services Research Conference, Boston, MA. October 17, 2014.

36. Quanbeck A, McTavish F, Molfenter T, Brown R. *Evidence-based practices and innovative technologies in addiction treatment: implementation strategies.* [symposium; chair] Addiction Health Services Research Conference, Portland, OR. October 24, 2013.

## OTHER TRAINING

2018 - 2019 Fellow, Implementation Research Institute, Washington University, St. Louis, Missouri. This two-year fellowship places me in a learning collaborative with leading implementation science researchers. I met with others for one week each year (2018, 2019) and communicate during the intervening time, all with the goal of developing a successful research proposal.

2015 Fellow, Training Institute in Dissemination and Implementation Research (TIDIRH), Pasadena, CA. TIDIRH is a highly selective training program for junior faculty in implementation research. This training introduced me to leaders in the field and helped generate ideas that later turned into successful NIH grant proposals.

## EDUCATIONAL ACTIVITIES AND PRESENTATIONS

<u>UW-Madison Graduate Instruction</u>

Spring 2026; Spring 2025; Spring 2024; Spring 2023, Spring 2021; Fall 2019; Fall 2018; Fall 2017
Lead instructor, Population Health 709, Translational and Outcomes Research in Health and Health Care (3 credits)
~ 14-21 students/class
This course reviews the basic concepts and methods of translational and outcomes research in healthcare settings. It demonstrates the diverse perspectives that can be used to inform such research as it relates to current issues in health and different healthcare settings. I took over as sole/lead instructor in Fall 2019; co-taught with Maureen Smith in Fall 2017-2018.

UW–Madison Undergraduate Instruction

Spring 2021
Instructor, ISYE 699: Independent Study (3 credits)
This course was designed designed as an independent study, in partnership with UW—Madison's College of Engineering to offer an undergraduate researcher the opportunity to apply and expand your academic knowledge in a professional setting, contribute meaningfully to the Lab's research and related work, and offer an experience that will help you build your professional record.

Mentoring: Research

D&I Research Faculty Consultation Service

I am 1 of 3 three faculty members in dissemination and implementation science at the UW's Institute for Clinical and Translational Research. In this capacity, I help UW researchers learn about and plan for the dissemination and implementation of their research projects. Since 2017, I have provided 20-30 consults per year to researchers from across the UW campus at many levels, from junior faculty to senior-level researchers.

Mentoring: Postdoctoral Researchers

| | |
|---|---|
| 2023-current | Mentor and advisor to postdoc Dr. Ekaterina Burduli, Stanford C-DIAS research center |
| 2023-current | Mentor and advisor to postdoc Dr. KJ Hansmann, DFMCH (ISELab) |
| 2022-current | Implementation science mentor to K01 applicant Miranda Greiner (Columbia University) |
| 2020-current | Implementation science mentor to K01 applicant Nicole Wagner (University of Colorado) |
| 2020–2022 | Mentor and advisor to postdoc Dr. Rose Hennessy Garza, DFMCH (ISELab) |
| 2019–2022 | Mentor and advisor to postdoc Dr. Linda Park, DFMCH (ISELab) |

Mentoring: Graduate Students

| | |
|---|---|
| 2026-current | Primary PhD advisor to Beverly Hutcherson, Clinical Investigation |

2026-current Mentor to Megan Jensen, Industrial & Systems Engineering MS Student, ISCHO certificate

2025-current PhD dissertation committee member to Kayla Dillon, Occupational Science and Kinesiology

2025-current Mentor to Hannah Hayes, Registered Nurse at Access Community Health Centers, Madison, ISCHO capstone student

2024-current Mentor to Arslan Ahmad, Industrial & Systems Engineering PhD student, ISCHO certificate

2024-current Mentor to Sara Hernandez, Health Services Research in Pharmacy MS & PhD student, ISCHO certificate

2024-current PhD dissertation committee member to Hailey Ballard, Population Health

2023-current Mentor to Sara Hernandez, Implementation Science and Community Health Outcomes Graduate Certificate, School of Pharmacy (UW)

2023-current Mentor to Erika Bailey, Implementation Science and Community Health Outcomes Graduate Certificate, School of Pharmacy (UW)

2023–2023 Mentor to Qiang Xie, Research Assistant, DFMCH (ISELab)

2022–current Mentor to Xiang Li, Research Assistant, DFMCH (ISELab)

2021-2023 Mentor to Jenny Li, Implementation Science and Community Health Outcomes Graduate Certificate, School of Pharmacy (UW)

2021-current Faculty mentor for students in UW's Clinical and Community Outcomes Research certificate program

2020-current PhD committee member to Psychology PhD student Kendra Wyant (UW)

2020–2021 Mentor to Nicholas Schumacher, Project Assistant, DFMCH (ISELab)

2019-2020 MPH thesis committee member for Cara D'Amico Smith (UW)

<u>Mentoring: Undergraduate Students</u>

2024-current Mentor to Mallory Herzog, Undergraduate Research Assistant, Hilldale Fellow, DFMCH (ISELab)

2024-2025 Mentor to Ella Butzine, Under Undergraduate Research Assistant, DFMCH (ISELab)

2021-2024 Mentor to Samantha Voelker, Senior Undergraduate Research Assistant, DFMCH (ISELab)

2021-2023 Mentor to Morgan Burns, Undergraduate Research Assistant, DFMCH (ISELab)

2020, 2021 In 2020, my lab developed and piloted a Summer Internship program for undergraduates that offers real-world research experience, professional development training, and opportunities to develop core competencies critical for academic and professional success. To date, three undergraduates have completed the internship program (Gwyneth Simon, Samantha Voelker, & Morgan Burns).

Other Teaching Activities

2022 With Dr. Heidi Brown, developed a new Implementation Science & Community Health Outcomes research certificate program housed in the UW-Madison Department of Population Health.

2017-2021 Journal club faculty mentor for Department of Family Medicine and Community Health residents.

2012–2013 Guest lecturer, Introduction to Health Systems Engineering. I lectured on healthcare quality improvement for UW Industrial & Systems Engineering undergraduate and graduate students.

2009–2011 Faculty presenter, NIATx (Network for the Improvement of Addiction Treatment) Business Case Seminar. I developed the curriculum for a 6-month workshop that teaches addiction treatment professionals how to improve financial performance and served as the workshop's lead faculty member for 3 administrations of the workshop.

2007-2011 Quality coach, Network for the Improvement of Addiction Treatment. I taught quality improvement to healthcare professionals on a one-on-one basis. They came from 15 organizations across the United States. I also facilitated 18 learning sessions that brought together clinicians from multiple organizations to work towards common quality improvement goals.

## SERVICE ACTIVITIES

University of Wisconsin

2021-2022 Served as member of search committee for hiring of two new tenure-track faculty in the UW-Madison Department of Family Medicine & Community Health.

2022 UW-Madison Institute for Clinical & Translational Research Mentoring program – June 27-28, 2022.

2012-2013 Academic staff mentor, University of Wisconsin.

Community

2020-2021 Research Nehemiah - Madison Eastside High Schools Equity in Funding Team.

2016-2020 Youth sports coach, Madison, WI, YMCA.

2017-2019 Dane County Opioids Taskforce member.

2012-2014 Board member, Parents' Advisory Group, Madison (WI) Metropolitan School District.

National and international

2017 Conference co-host, Addiction Health Services and Research, Madison, WI.

2015 Conference planning committee, Addiction Health Services and Research, Los Angeles, CA.

**SCIENTIFIC REVIEW**

NIH Grant Review

2020-2024 Standing member of Science of Implementation in Health & Healthcare study section for 4-year term (July 1 2020-2024)

2019 Dissemination and Implementation Research in Health Study Section (Feb, June)

2018 Multi-Site Studies for System-Level Implementation of Substance Use Prevention and Treatment Services (R01)

2017 Dissemination and Implementation Research in Health Study Section

2017 National Institute of Diabetes and Digestive and Kidney Diseases Review Panel, "Mentored Research Scientist Career Award" (K01)

2016 National Institute of Diabetes and Digespublicative and Kidney Diseases Review Panel, "Urinary Stone Disease Research Network Applications (U01)

Other Grant Review

2015 Veteran's Administration Health Services Research and Development Service Scientific Merit Review Board, HSR8: Learning Healthcare System Initiative Centers

Associate Editor

npj Digital Medicine - Associate Editor

Editorial Board Membership - Journals

*Implementation Research and Practice*
*Nature Scientific Reports*

Ad Hoc Reviewer – Journals

*Addiction*
*Administration and Policy in Mental Health and Mental Health Services Research*
*American Psychologist*
*Drug and Alcohol Dependence*
*Health Policy*
*Health Services Research*
*Healthcare Management Review*

*Implementation Science*
*JAMA Network Open*
*Journal of the American Medical Association*
*Journal of the American Medical Association- Psychiatry*
*JMIR Research Protocols*
*Journal of Behavioral Health Services and Research*
*Journal of Substance Abuse Treatment*
*New England Journal of Medicine*
*Social Science & Medicine*
*Wisconsin Medical Journal*

Ad Hoc Reviewer – Scientific Meetings & Training Events

*NIH/AcademyHealth Dissemination & Implementation conference*
*Society for Implementation Research Collaboration*
*Training Institute on Dissemination and Implementation Research in Health (TIDIRH)*
*American Public Health Association*
*Academy of Management*
*Addiction Health Services and Research*