Prajakta Pramod Shanbhag
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EDUCATION

Doctor of Public Health (DrPH) 2023 — **Colorado School of Public Health | Aurora, CO**
- Concentration: Epidemiology
- Hoffman Scholar 2021 & 2022

GPA: 3.81

Master of Public Health (MPH) 2017 — **Colorado School of Public Health | Aurora, CO**
- Concentration: Epidemiology

GPA: 3.84

Bachelor of Dental Surgery (BDS) 2014 — **Maharashtra University of Health Sciences | Mumbai, India**

GPA: 3.69

WORK EXPERIENCE

University of Colorado School of Medicine | March 2017 – Present — **Aurora, CO**
Research Associate/ Biostatistician
- Actively involved in human aging research grants by acting as lead biostatistician and being responsible for devising an appropriate study design, conducting power/sample size calculations, and developing a statistical analysis plan.
- Conducting data analysis of clinical, laboratory, survey and device measured data applying standard and non-standard statistical methodology from exploratory analysis to final model building and sensitivity analysis.
- Interpreting and presenting results to non-statistical audiences, and co-authored twenty manuscripts in peer-reviewed scientific journals, featuring both analysis results and statistical methodology.

Rocky Mountain Regional Veteran Affairs | September 2025 – Present. — **Aurora, CO**
Research Associate
- Lead statistical analysis for clinical and real-world evidence studies in geriatric populations.
- Designed and implemented analytic strategies for intervention studies, including regression and longitudinal models.
- Delivered insights on functional and patient-reported outcomes to inform clinical program effectiveness.

Colorado Department of Public Health & Environment (CDPHE) | June 2016 – March 2017 — **Denver, CO**
Food safety/ Foodborne illness Intern
- This project focused on conducting routine and supplemental interviews for the reportable and non-reportable conditions in Colorado.
- Managing trace-back investigations of clusters and outbreaks affecting the FoodCORE regions of Colorado.

University of Colorado College of Nursing | September 2015 – March 2017 — **Aurora, CO**
Lead Research Assistant
- Served as project lead to identify trends & predict the effectiveness of existing services and patient care at the University of Colorado Hospital, which would drive strategic decision making, to improve the performance of quality health care.

Private Practice | June 2014 – July 2015 — **Mumbai, India**
General Dentist
- Diagnosis and treatment planning with high level of case acceptance.

MGM Dental College & Hospital | September 2013 – November 2014 — **Mumbai, India**
Dental Surgical Intern
- Gained proficiency in interpretation of dental x-rays, scaling, tooth extraction, root canal treatment, and denture fabrication.

VOLUNTEER WORK

Tobacco Intervention Initiative (TII) | September 2013 – November 2014 — **Mumbai, India**
TII Volunteer
- Conducted systematic screening of patients with long-term tobacco use for pre-cancerous signs and oral cancer detection.

GRANTS

1. Molecular Transducers of Physical Activity Consortium (MoTrPAC) study (Grant no. U01AR071124).
2. Bioenergetic and Metabolic Consequences of the Loss of Gonadal Function (Grant no. U54AG062319).
3. Cardiovascular Consequences of Hypogonadism in Men (Grant no. R01AG049762).
4. DHEA Augmentation of Musculoskeletal Adaptations to Exercise in Older Women (Grant no. NCT03227458).
5. Effectiveness of Engaging in Advance Care Planning Talks (ENACT) Group Visits Intervention in Primary Care for Older Adults with and without Alzheimer's Dementia (Grant no. R01AG066804).
6. Fractured Schedules: Skeletal Effects of Acute and Chronic Night Shift Work (Grant no. R01HL151332).
7. The impact of estrogen status on the biological function of brown adipose tissue in women measured using quantitative PET/CT (Grant no. R01DK112260).
8. NightWare Therapeutic Platform for improving Cardiovascular Health in Adults With Nightmares Associated with PTSD. (Grant no. R21AG075544).
8. Adapting OurNotes Patient Portal innovation to the needs of Persons with Alzheimer's Disease and Related Dementias (ADRD) and their caregivers: Understanding Healthcare Team Member, Patient, and Care Partner Experiences. (Grant no. U54AG063546).
9. Exerkines and the heterogeneity of peripheral and cerebral vascular adaptations to exercise training with aging in women and men. (Grant no. R01AG089069).
10. MitoQ supplementation for restoring aerobic exercise training effects on endothelial function in postmenopausal women. (Grant no. R56AG072094).

AWARDS

Hamman-Hoffman Epidemiology Scholar Award 2021 & 2022

PUBLICATIONS

1. Bellantoni, J., Katz, M., Hayes, J., Peng, M., Purdy, H., Schilling, L.M., Lum, H.D., Juarez-Colunga, E., Mahi, M.H., **Shanbhag, P**., & Tietz, S. (2026).
Implementation of an Acute Care Clinic Model to Improve Access to Care and Reduce Low Acuity Emergency Department Use.
Journal of the American Geriatrics Society.

2. Lum H, Farro S, Juarez-Colunga E, Patel C, Bettcher B, Haynes C, Huebschmann A, Nowels D, Tietbohl C, Shi J, Ritger C, **Shanbhag, P.**, Resman K, Sudore R. (2025)
Engaging English- and Spanish-speaking older adults with and without possible cognitive impairment in advance care planning group visits: Protocol for the ENgaging in Advance Care Planning Talks (ENACT) Randomized Controlled Trial.
Trials. 2025 Sep 25;26(1):353. doi: 10.1186/s13063-025-08964-x. PMID: 40999430; PMCID: PMC12465542.

3. Jankowski, C. M., Schmiege, S. J., Carpenter, D., Linnebur, S., **Shanbhag, P**., Carballido-Gamio, J., & Kohrt, W. M. (2025).
DHEA Augmentation Of The Musculoskeletal Effects Of Exercise In Older Women: A Randomized Controlled Trial: 3098. *Medicine & Science in Sports & Exercise*, *57*(10S), 565-565.

4. Mullen, R., Fitzgibbons, J., **Shanbhag, P**., Haque, M. M., Tietz, S., Gilhuly, D., & Waterhouse, J. (2025).
Loneliness among Older Adults in an Intergenerational Telephone-Based Program.
Innovation in Aging, *9*(Supplement_2), igaf122-2782.

5. Dairaghi, C. L., Johnson, T., Mahi, M., **Shanbhag, P**., Allison, C., Garbin, A., ... & Lum, H. (2025, April).
Measuring Gait Speed in Geriatrics: Patient Perspectives and Motivation for Change.
JOURNAL OF THE AMERICAN GERIATRICS SOCIETY (Vol. 73).

6. Mahi, M., Tietz, S., **Shanbhag, P.,** Lindberg, D., Bollan, J., Bloemen, E., & Cox, S. (2025, April).
Evidence for Elder Abuse Consultation Teams.
JOURNAL OF THE AMERICAN GERIATRICS SOCIETY (Vol. 73, pp. S317-S317).

7. Lum, H.D., Cassidy, J., Lin, C.T., DesRoches, C.M., **Shanbhag, P**., Gleason, K.T., Powell, D.S., Peereboom, D., Riffin, C.A., Smith, J.M., Wec, A., Wolff, J.L. (2024).
Embedding Authorship Identity into a Portal-based Agenda Setting Intervention to Support Older Adults and Care Partners.

Journal of General Internal Medicine. 2024 Dec;39(16):3155-3163. doi: 10.1007/s11606-024-09056-3. Epub 2024 Oct 1. PMID: 39354253; PMCID: PMC11618549.

8. Runkel, K., **Shanbhag, P**., Huart, S., Hardland, J., Lum, H. D. (2024).
Limitations in Geriatric Medicine Training on Hearing Loss.
Journal of the American Geriatrics Society. 2024 Jul 20. doi: 10.1111/jgs.19095

9. DuBose, L. E., **Shanbhag, P**., Richardson, V., Hildreth, K., & Moreau, K. L. (2024, September).
Contribution of Estrogen Deficiency to Age-Associated Increases in Large Artery Stiffness in Women. In Journal of Women's Health (Vol. 33, No. 9, pp. A11-A11).

10. Brungardt, A.,Wibben, A., **Shanbhag, P**., Boeldt, D., Youngwerth, J., Tompkins, A., Rolbiecki, A., Coats, H., LaGasse, B., Kutner, J., Lum, H. D. (2024).
Patient outcomes of a virtual reality-based music therapy pilot in palliative care.
Palliative Medicine Reports. 5(1), 278-285.

11. Tietbohl, C.K., Ritger, C., Jordan, S., **Shanbhag, P**., Sudore, R.L., Lum, H. (2024).
A mixed-methods comparison of two interventions to increase advance care planning among older adults in primary care.
Journal of the American Board of Family Medicine. DOI: 10.3122/jabfm.2023.230187R2

12. Schmiege, S. J., **Shanbhag, P.,** & Jankowski, C. M. (2024, May).
Methodological Approaches for a COVID-Interrupted Supervised Exercise Clinical Trial.
In *Society for Prevention Research 32nd Annual Meeting*. SPR.

13. Schara, H., Johnson, T., Brungardt, A., Marcus, A.M., Cassidy, J., **Shanbhag, P**., Plys, E., & Lum, H. D (2022).
Living with dementia: Care partner needs and outcomes of a dementia support program in primary care.
Gerontology & Geriatric Medicine. 18;8:23337214221129466. doi: 10.1177/23337214221129466

14. Swanson CM, **Shanbhag P**, Tussey EJ, Rynders CA, Wright Jr KP, Kohrt WM (2022).
Bone Turnover Markers After Six Nights of Insufficient Sleep and Subsequent Recovery Sleep in Healthy Men.
Calcified Tissue International, https://doi.org/10.1007/s00223-022-00950-8.

15. Magid K, Galenbeck E, Hazelwood J, **Shanbhag P**, Joucovsky A, Levy C, Lum HD (2022).
Sharing Space to Age in Community: A Mixed-Methods Study of Homeshare Organizations.
Journal of Aging & Social Policy, DOI: 10.1080/08959420.2022.2029266.

13. Fixen, D., Farro, S., **Shanbhag, P.,** Parnes, B., Vejar, M. (2022).
A Multidisciplinary Approach To De-Prescribing Sedative-hypnotic Medications In Geriatric Primary Care.
Journal of Primary Care and Community Health. DOI: 10.1177/21501319221103416

16. Daddato A, Staton E, Bettcher B, **Shanbhag P**, Lum HD. (2021).
Human-Centered Design of an Advance Care Planning Group Visit for Mild Cognitive Impairment.
The Gerontologist, 2021; gnab181, https://doi.org/10.1093/geront/gnab181.

17. Brungardt, A., Schara, H., Johnson, T., Marcus, A., **Shanbhag, P**., Lum, H., & Parnes, B. (2021, April).
Dementia Care Navigators Provide Specific Caregiver Support and Coordination in Primary Care.
Journal of the American Geriatrics Society (Vol. 69, pp. S61-S62).

18. Johnson, T., Schara, H., Brungardt, A., Marcus, A., **Shanbhag, P**., Plys, E., & Lum, H. (2021, April).
Impact of a Dementia Caregiver Support Program: Increasing Self-Efficacy and Decreasing Burden.
Journal of the American Geriatrics Society (Vol. 69, pp. S254-S255).

19. Blankenship, J., **Shanbhag, P**., Winslow, J., Meek, P., Blatchford, P., Melanson, E., Boxer, R. (2020).
Changing Physical Activity In Older Adults With Heart Failure By Increasing Exercise Or Reducing Sitting: 2681 Board# 142 May 29 10: 30 AM-12: 00 PM.
Medicine & Science in Sports & Exercise. 52; 738-738. 10.1249/01.mss.0000683200.57919.03.

20. Portz, J., Brungardt, A., **Shanbhag, P**., Staton, E.W., Bose-Brill, S., Lin, C.T., Kutner, J.S., Lum, H. (2020).
Advance care planning among users of a patient portal during the COVID-19 Pandemic: A retrospective observational study.
Journal of Medical Internet Research. 2020;22(8):e21385. Published 2020 Aug 11. doi:10.2196/21385.

21. Brungardt, A., **Shanbhag, P.,** Lum, H. (2020)
Virtual Reality Based Music Therapy in Palliative Care: A Pilot Implementation Trial.
Journal of Palliative Medicine. 24(5):736-742. doi:10.1089/jpm.2020.040.

22. Schifeling CH, **Shanbhag P**, Johnson A, Atwater RC, Koljack C, Parnes BL, Vejar MM, Farro SA, Phimphasone-Brady P, Lum HD (2020).
Disparities in the use of video and telephone visits in older adults during the COVID-19 pandemic: cross-sectional analysis.
Journal of Medical Internet Research Aging 2020;3(2):e23176. Published 2020 Nov 10. doi:10.2196/23176.

23. Dukes, J., Daddato, A., Juarez-Colunga, E., **Shanbhag, P**., Kutner, J.S., Levi, C.R., Sudore, R.L., Lum, H. (2020)
Effectiveness of Advance Care Planning Group Visits Among Older Adults in Primary Care.
Journal of the American Geriatrics Society. 10.1111/jgs.16694.

24. Daddato, A., **Shanbhag, P**., Bettcher, B., Lum, H.D. (2020).
An Advance Care Planning Group Visit Intervention for Individuals with Mild Cognitive Impairment.
Innovation in Aging. 4(Suppl 1), 242.

25. Lum, H., **Shanbhag, P**., & Daddato, A. (2019).
OP58 New US advance care planning billing codes–Who's using it and for whom?.
BMJ Supportive & Palliative Care, 9(Suppl 2), A20.

26. Daddato, A., Griff M., **Shanbhag P**., Hickman S., Lum H. (2019)
Appropriate Use of Physician Orders for Life-Sustaining Treatment in the Outpatient Setting.
Journal of Palliative Medicine. Apr;23(4):449-450 doi: 10.1089/jpm.2019.0635.

27. Fink R., Somes E., Brackett H., **Shanbhag P**., Anderson A., Lum H. (2019)
Evaluation of Quality Improvement Initiatives to Improve and Sustain Advance Care Planning.
The Journal of Hospice and Palliative Nursing. *2019 Feb;21(1):71-79. doi: 10.1097/NJH.0000000000000490.*

28. Reynolds I., Fixen D., Parnes B., Lum H., **Shanbhag P**., Linnebur S., Orosz G. (2018)
Characteristics and Patterns of Marijuana Use in Community-Dwelling Older Adults.
Journal of the American Geriatrics Society. *10.1111/jgs.15507*.

29. **Shanbhag PP,** Ram SM, Gupta B. (2014)
Knowledge and Oral Health Attitudes among Care Providers of Children with Intellectual Disabilities: A Cross-sectional Study.
Journal of Contemporary Dentistry. *2014; 4(2):92-98.*

SCIENTIFIC ABSTRACTS ORAL PRESENTATIONS

1. **Shanbhag, P**., Juarez-Colunga, E., Lum H., Fitzgibbons J., Creswell, B., Rosen, J.
From Reliability to Real-World Use: Validation of Novel Caregiver-reported Dementia Care Quality Measures.
Palliative Care Virtual Research Day (2025)

2. Fitzgibbons J., **Shanbhag P**., Mullen R., Mahi Haque, M., Gilhuly, D., Waterhouse, J., Tietz, S.
Loneliness among Older Adults in an Intergenerational Telephone-Based Program.
Gerontological Society of America (Fall 2025)

3. **Shanbhag P**., Abbate, L.
Assessing the effectiveness of the VA Gerofit program at the Rocky Mountain Regional VA site with respect to Fear of Falling and physical function in older veterans.
Colorado School of Public Health, DrPH Practicum Showcase (Spring 2021)

4. Schifeling C.H., **Shanbhag P**., Parnes B.P., MD; Vejar M.M., Farro S., Lum H.

Disparities in the Use of Video and Telephone Visits in Older Adults during the COVID-19 Pandemic: a Cross-sectional Analysis.
Palliative Care Virtual Research Day (2020)

5. Daddato A., **Shanbhag P**., Bettcher B., Lum H.
An Advance Care Planning Group Visit Intervention for Individuals With Mild Cognitive Impairment.
The Gerontological Society of America (GSA) Annual Scientific Meeting (Summer 2020)

6. Lum H., **Shanbhag P**., Daddato A., Schwent J., Purdy H., Schilling L.
New Advance Care Planning Reimbursement: Who's using it and for whom?
American Geriatric National Scientific Convention (Summer 2019)

7. Schara H.,Bloemen E., **Shanbhag P**., Church S.
Elder Abuse Detection, Reporting, and Care: A Needs Assessment.
American Geriatric National Scientific Convention (Summer 2018)

8. **Shanbhap P**., Sousa K.
The Association between Self-reported Symptom Intensities by Acute Care Patients and their SAPS II at Admission.
Colorado School of Public Health, Public Health Forum (Summer 2017)

MANUSCRIPT REVIEWER

- Gerontology and Geriatric Medicine
- Journal of Clinical and Diagnostic Research.
- Journal of Pharmaceutical Research International

TECHNICAL SKILLS

- **Programming:** SAS (advanced), R, SQL, STATA
- **Data Platforms:** REDCap, EPIC EHR
- **Visualization:** Tableau, Plotly, GraphPad Prism
- **Tools:** Microsoft Office (advanced Excel), reproducible workflows