

# CURRICULUM VITAE

## ANGELA G. BREGA, PhD

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### 1. CURRENT POSITION

Position: Associate Professor  
Centers for American Indian and Alaska Native Health  
Department of Community and Behavioral Health  
Colorado School of Public Health (ColoradoSPH)  
University of Colorado Anschutz Medical Campus

Business Address: Centers for American Indian and Alaska Native Health  
Nighthorse Campbell Native Health Building, Room 352  
University of Colorado Anschutz Medical Campus, Mail Stop F800  
13055 E. 17th Avenue, Aurora, Colorado 80045-0508

Phone/Fax: 303-724-1470 (phone) / 303-724-1474 (fax)

Email Address: [angela.brega@cuanschutz.edu](mailto:angela.brega@cuanschutz.edu)

MyBibliography: <https://www.ncbi.nlm.nih.gov/myncbi/angela.brega.1/bibliography/public/>

ORCID: <https://orcid.org/0000-0002-7319-4892>

Google Scholar: <https://scholar.google.com/citations?user=FRkitaYAAAAJ&hl=en>

### 2. EDUCATION

BA	1990	Smith College, Northampton, MA	Psychology
MA	1995	University of Colorado, Boulder, CO	Social Psychology
PhD	1998	University of Colorado, Boulder, CO	Social Psychology

### 3. ACADEMIC APPOINTMENTS AND POSITIONS

1998 - 1999      **Research Associate**  
Department of Neurosurgery, School of Medicine  
University of Colorado Health Sciences Center, Denver, CO

1999 - 2002      **Research Associate**  
Center for Health Services Research  
Department of Medicine, School of Medicine  
University of Colorado Health Sciences Center, Denver, CO

2002 - 2013      **Assistant Professor (Secondary Appointment starting in 9/2008)**  
Center for Health Services Research, Division of Health Care Policy and Research  
Department of Medicine, School of Medicine  
University of Colorado Anschutz Medical Campus, Aurora, CO

- 2008 - 2012      **Assistant Professor (Primary Appointment starting in 9/2008)**  
Centers for American Indian and Alaska Native Health  
Department of Community and Behavioral Health, ColoradoSPH  
University of Colorado Anschutz Medical Campus, Aurora, CO
- 2012 - Present    **Associate Professor (Primary Appointment)**  
Centers for American Indian and Alaska Native Health  
Department of Community and Behavioral Health, ColoradoSPH  
University of Colorado Anschutz Medical Campus, Aurora, CO
- 2013 - Present    **Associate Professor (Secondary Appointment)**  
Department of Family Medicine, School of Medicine  
University of Colorado Anschutz Medical Campus, Aurora, CO

#### 4. PROFESSIONAL POSITIONS

- 1991 - 1992      **Research Assistant**  
National Jewish Center for Immunology and Respiratory Medicine  
Denver, CO
- 1992 - 1996      **Project Coordinator**  
Department of Psychology  
University of Colorado, Boulder, CO
- 1996 - 1997      **Methodologist**  
Doyle Consulting  
Boulder, CO
- 1997 - 1998      **Research Assistant**  
Office of Planning, Budget, and Analysis  
University of Colorado, Boulder, CO
- 1999 - 2002      **Senior Researcher**  
Center for Health Policy Research  
Denver, CO

#### 5. HONORS AND AWARDS

- 1990              Psi Chi National Honor Society  
Smith College, Northampton, MA
- 1995              Student Paper Award in Cognitive Psychology  
Rocky Mountain Psychological Association
- 1995 - 1996      Graduate School Fellowship  
University of Colorado, Boulder, CO
- 1996              Muenzinger Fellowship  
Department of Psychology, University of Colorado, Boulder, CO
- 1997 - 1998      Graduate School Fellowship  
University of Colorado, Boulder, CO
- 2009              Recognized for having the fourth most frequently cited paper from 2006-2008 for  
the *Journal of Neurological Sciences* (cited in  $\geq 66$  peer-reviewed journal articles)
- 2011              Recognized for having one of the top five abstracts submitted to the 3<sup>rd</sup> Annual  
Health Literacy Annual Research Conference

2022 Employee Recognition Award from the ColoradoSPH in recognition of multi-year service in updating the School's Faculty Bylaws

## 6. PROFESSIONAL AFFILIATIONS

1993 - 1998 American Psychological Association  
1993 - Present Association for Psychological Science  
1993 - Present Society for the Psychological Study of Social Issues  
2010 - Present American Public Health Association (APHA)  
2018 - Present International Health Literacy Association  
2023 - Present APHA American Indian, Alaska Native, and Native Hawaiian Caucus

## 7. PROFESSIONAL LEADERSHIP AND SERVICE

### **CENTER FOR HEALTH SERVICES RESEARCH/DIVISION OF HEALTH CARE POLICY AND RESEARCH, DEPARTMENT OF MEDICINE**

#### **Leadership Positions**

2000 - 2004 **Management Team**, Center for Health Services Research  
Member participating in decision-making regarding Center operations and research program.

2000 - 2004 **Personnel Resources Committee**, Center for Health Services Research  
Member participating in the coordination of staff resources across this multi-project research center.

2000 - 2005 **Education Committee**, Center for Health Services Research/Division of Health Care and Policy Research  
Co-Chair, coordinating monthly research training sessions for faculty and staff.

2004 **Open House and Poster Session Coordinating Committee**, Division of Health Care Policy and Research  
Coordinator overseeing the planning of open house and poster session celebrating new Division. Division faculty presented thirty-six projects as part of the poster session.

2006 **Promotions Committee**, Division of Health Care Policy and Research  
Member contributing to decisions about the promotion of staff in the Research Associate track.

### **CENTERS FOR AMERICAN INDIAN AND ALASKA NATIVE HEALTH**

#### **Leadership Positions**

2010 - 2012 **Grant Writing Seminar**  
Co-leader helping to coordinate regular seminars designed to support junior faculty in the process of obtaining grant funding.

2018 - Present **Executive Committee**  
Member participating in planning and oversight of Center research and administrative activities.

2021 - 2022 **CAIANH Associate Director Search Committee**  
Chair of the search committee charged with identifying a new Associate Director for the Centers for American Indian and Alaska Native Health.

**Committee and Workgroup Memberships**

2008 - 2012      **Writing Seminar**  
Member participating in the critical review of manuscripts and grant proposals for Center faculty.

**DEPARTMENT OF MEDICINE**

**Leadership Positions**

2007              **Hartford/Jahnigen Center of Excellence in Geriatrics Research Forum**  
Coordinator of a day-long conference featuring oral presentations and a poster session on aging. Participants included community members and >100 faculty.

**Committee and Workgroup Memberships**

2007              **Research Committee**  
Member participating in planning related to enhancing collaborative research efforts across the University system.

2007 - 2008      **PhD Group**  
Member participating in the planning of activities to improve access to teaching opportunities and professional mentorship for doctorally trained faculty.

**DEPARTMENT OF COMMUNITY AND BEHAVIORAL HEALTH**

**Committee and Workgroup Memberships**

2020              **Anti-Racism & Equity Committee**  
Member participating in planning and implementing departmental strategies to address structural racism, diversity, equity, and inclusion.

**COLORADO SCHOOL OF PUBLIC HEALTH (COLORADOSP)**

**Leadership Positions**

2010 - 2011      **Faculty Development Committee**  
Member charged with developing, overseeing the analysis of, and presenting results from the Faculty Development Survey at the School's All-Faculty Meeting.

2010 - 2011      **Faculty Senate**  
Secretary contributing to the identification of Senate priorities, documenting meeting discussions, tracking membership and attendance, and helping to coordinate biannual All-Faculty Meetings.

2018 - 2019      **Faculty Senate**  
President-Elect contributing to the identification and pursuit of Senate priorities.

2019 - 2020      **Faculty Senate**  
President leading the identification and pursuit of Senate priorities as well as the planning and coordination of all meetings.

2019 - 2020      **ColoradoSPH Executive Council**  
Member representing the School's faculty on the administrative body comprised of the School's administrative leaders, department chairs, and center directors.

2020 - 2021      **Faculty Senate**  
Past President, contributing to the identification and pursuit of Senate priorities.

2018 - 2022      **ColoradoSPH Bylaws Revision Working Group**  
Chair of the working group charged with identifying and making needed revisions to the School's Bylaws.

### **Committee and Workgroup Memberships**

- 2011 - 2013      **Faculty Senate**  
Departmental representative contributing to discussion and action on Schoolwide faculty priorities.
- 2016 - 2018      **Faculty Senate**  
Departmental representative contributing to discussion and action on Schoolwide faculty priorities.
- 2022 - Present    **Admissions Policy Committee**  
Departmental representative of the committee overseeing admissions policy for the ColoradoSPH.

### **UNIVERSITY OF COLORADO ANSCHUTZ MEDICAL CAMPUS**

#### **Committee and Workgroup Memberships**

- 2009 - 2011      **Health Equity/Disparities Coalition Steering Committee**  
Member contributing to the development of the coalition and related activities.
- 2018 - 2021      **Anschutz Medical Campus Faculty Assembly**  
Member representing the faculty of the ColoradoSPH as part of the campus-wide Faculty Assembly.

### **COMMUNITY**

#### **Leadership Positions**

- 2012, 2014,  
2016, & 2022      **Coordinating Health Literacy Services for Community Organizations**  
For the course entitled "Health Literacy & Public Health," I guided students in assessing the health literacy environments of the University of Colorado Hospital (UCH; 2012, 2014) and Children's Hospital Colorado (CHC; 2016). The students presented findings and recommendations to the hospital staff, which have been used to improve patient navigation and communication. Students also evaluated patient materials used by UCH, CHC, and the CHC TRUE Center for Gender Diversity (2016, 2022), providing guidance on ways to improve understandability. In 2016, students created requested educational materials for Project SHINE, a local organization providing health navigation services to the refugee community.

### **STATE**

#### **Leadership Positions**

- 2014 - Present    **Colorado Health Literacy Coalition**  
Founding and steering committee member guiding the development and provision of state-wide resources related to health literacy (<https://www.healthliteracycolorado.org/>).

### **NATIONAL**

#### **Committee and Workgroup Memberships**

- 2007 - 2008      **Centers for Medicare & Medicaid Services Adult Immunization Task Force**  
Member providing expertise in measurement of nursing home quality outcomes.
- 2009 - 2010      **FXTAS Advisory Group to the National Fragile X Foundation**  
Member contributing to the planning of the Foundation's FXTAS webpage: <https://fragilex.org/understanding-fragile-x/tremor-ataxia-syndrome-fxtas/>

- 2011 **National Heart, Lung, and Blood Institute Community Health Worker Initiative**  
Invited participant contributing to the exploration of strategies for evaluating the Community Health Worker Initiative.
- 2016 **Institute for Healthcare Advancement's Health Literacy Job Analysis Survey**  
Nominated and invited to critique the Institute's Job Analysis Survey, the first comprehensive assessment for evaluating the skills of professionals engaged in health literacy-related initiatives in health care and other environments.
- 2018 **Expert Panel on Toolkit Development, Veterans Affairs Quality Enhancement Research Initiative Care Coordination Program**  
Member of an expert panel that established and published recommendations for the development of toolkits aimed at improving the quality of health care.
- 2018 **Content Expert for What Works in Health**  
Invited to review health literacy interventions included on the Robert Wood Johnson Foundation-funded County Health Rankings & Roadmaps *What Works in Health* website.
- 2022 **Patient Safety Improvement Tools Study**  
Invited by the RAND Corporation to serve as an expert in patient safety toolkit development (PI: Courtney Gidengil, contract #75Q80122F32002). The goal of this AHRQ-funded project was to evaluate AHRQ's patient safety tools to inform future use and consider transformation to clinical decision support.

## 8. REVIEW, REFEREE, AND EDITORIAL ACTIVITIES

### NATIONAL GRANT REVIEW ACTIVITIES

- 2014 **National Heart, Lung, and Blood Institute (NHLBI) Clinical Trials Review Committee**  
Ad hoc reviewer contributing expertise on behavioral intervention and Native health research for standing NIH study section.
- 2018 **National Heart, Lung, and Blood Institute (NHLBI) Strong Heart Study Contract Review Panel**  
Ad hoc reviewer contributing expertise on Native health research to special emphasis panel evaluating Strong Heart Study Coordinating Center proposals.
- 2020 **NIH Health Disparities and Equity Promotion Review Panel**  
Ad hoc reviewer contributing expertise on health disparities research to special emphasis panel evaluating grant proposals on health disparities.
- 2020 **Resource Center for Minority Aging Research/Native Elder Research Center (NERC/RCMAR)**  
Ad hoc reviewer for the National Institute on Aging-funded NERC/RCMAR Pilot and Feasibility Program.
- 2021 - 2022 **Collaborative National DRC/CDTR Pilot and Feasibility Program**  
Member of Steering Committee representing National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)-funded Centers for Diabetes Translation Research (CDTR) and Diabetes Research Centers (DRC) charged with developing solicitations and reviewing proposals for pilot projects on diabetes and COVID-19.

- 2022 **National Institute of Dental and Craniofacial Research Advancing HIV/AIDS Research at the Intersection of Oral and Mental Health Study Section**  
Ad hoc reviewer contributing expertise on oral health to special emphasis panel evaluating grant applications on oral health and mental health in people with HIV.
- 2023 **Colorado Clinical and Translational Sciences Institute (CCTSI) Pre-K Grant Review Program**  
Ad hoc reviewer contributing expertise on Native health research as part of mock grant review program for K award applicants.
- 2023 **National Institute of Dental and Craniofacial Research Special Grants Review Committee**  
Ad hoc reviewer contributing expertise on oral health research as part of study section providing scientific merit review of submissions to the Institute's small grant, fellowship, career development, and training programs.

#### UNIVERSITY GRANT REVIEW ACTIVITIES

- 2007 **Hartford/Jahnigen Center for Excellence in Geriatrics**  
Invited reviewer for abstracts submitted for presentation at the biannual Research Forum in Denver, CO.

#### AD HOC JOURNAL REVIEWS

- < 2008 Social Science & Medicine  
2008 Neurocase  
2009 Telemedicine and e-Health  
2010 Aging and Mental Health  
2010, 2011, 2015 Journal of Health Communication  
2010, 2011 Journal of Health Disparities Research and Practice  
2011 Ethnicity & Disease  
2012, 2013 BMC Family Practice  
2014 American Indian and Alaska Native Mental Health Research  
2014, 2015 Diabetes Educator  
2020, 2021 American Journal of Public Health  
2020 Health Literacy Research and Practice

#### 9. INVITED PRESENTATIONS

<sup>^</sup> Denotes graduate student.

<sup>+</sup> Denotes junior faculty mentee.

#### LOCAL

1. <sup>^</sup>Bontrager J, **Brega A**, & Floersch N (November 2003). The E.P.I.C. adventure – lessons learned from a national study of practice variations in home health care. Oral presentation at the monthly research conference of the Center for Health Services Research, Department of Medicine, University of Colorado Health Sciences Center, Denver, CO.
2. Crisler, K, Baillie L, <sup>^</sup>Bontrager J, & **Brega A** (February 2005). New York State Outcome-Based Quality Improvement Demonstration. Oral presentation at the monthly research conference of the Division of Health Care Policy and Research, Department of Medicine, University of Colorado Health Sciences Center, Aurora, CO.

3. **Brega AG** (April 2008). Impact of executive cognitive functioning on smoking cessation. Oral presentation at Geriatric Grand Rounds, Division of Geriatric Medicine, Department of Medicine, University of Colorado Denver, Aurora, CO.
4. **Brega AG & Noe T** (October 2010). Cardiovascular knowledge and risk among urban American Indians and Alaska Natives in Denver and Albuquerque. Oral presentation of patient survey results to staff from Denver Indian Health and Family Services, Denver, CO.
5. **Brega AG** (November 2010). Knowledge of heart attack and stroke warning signs among urban American Indians and Alaska Natives. Oral presentation of patient survey results to staff from Service Delivery Advisory Council, Denver, CO.
6. **Brega AG** (February 2011). Implications of health literacy for Native health. Invited oral presentation at the Social Psychology Brown Bag, Department of Psychology, University of Colorado, Boulder, CO.
7. **Brega A** (March 2011). Colorado School of Public Health faculty development. Oral presentation at the School's All-Faculty Meeting, Loveland, CO.
8. **Brega, AG** (February 2013). Health literacy & patient outcomes. Invited oral presentation for the University of Colorado Hospital Ethics Grand Rounds, Aurora, CO.
9. **Brega AG** (May 2015). Intervention to Enhance Numeracy in Diabetes. Oral presentation at the Yakama Indian Health Service, Toppenish, WA.
10. **Brega AG** (December 2016). Numeracy intervention to improve diabetes self-management. Oral presentation at the Yakama Indian Health Service, Toppenish, WA.
11. **Brega AG** (May 2018). Developing health-related materials that are easy to read and understand. Invited oral presentation for staff of the Adult and Child Consortium for Health Outcomes Research and Delivery Science (ACCORDS), School of Medicine, University of Colorado Anschutz Medical Campus, Aurora, CO.
12. **Brega AG** (November 2019). Addressing health literacy in the "real world:" Partnership of community organizations & MPH students. Oral presentation at the second annual Community and Behavioral Health Research and Practice Innovation Exchange, Aurora, CO.
13. **Brega AG** (December 2021). Building Assets for Health Equity and Diabetes with Native Communities (Building AHEAD): Expanding & enhancing research addressing diabetes in Native communities. Virtual presentation for the Colorado Clinical Translational Sciences Institute Team Leadership Development Program.
14. Bleacher H & **Brega AG** (June 2022). Health literacy and cancer screening: Skills for effective counseling conversations. Invited oral presentation at the 69<sup>th</sup> annual Family Medicine Review, Estes Park, CO.
15. Bleacher H & **Brega AG** (November 2022). Health literacy and cancer screening: Skills for effective counseling conversations. Invited oral presentation at the 69<sup>th</sup> annual Family Medicine Review, Anschutz Medical Campus, Aurora, CO.

#### STATE/REGIONAL

1. Barhydt N, Crisler K, **Brega AG**, & Gemerek A (October 2004). What's on the horizon for personal care? Quality outcomes for licensed agencies. Invited oral presentation at the annual meeting of New York State Association of Health Care Providers, Inc., Albany, NY.
2. **Brega AG** (November 2017). Evaluating efforts to improve organizational health literacy. Invited oral presentation at the 3<sup>rd</sup> Annual Colorado Health Literacy Coalition Conference, Aurora, CO.

3. **Brega AG** (September 2021). The AHRQ Health Literacy Universal Precautions Toolkit: Addressing Health Literacy through Organizational Change. Invited oral presentation at the Colorado Health Literacy Coalition's 7<sup>th</sup> Annual Conference (virtual).
4. **Brega AG** (May 2023). Parental health literacy and oral health of Native children. Invited virtual presentation for the Institute for Research and Education to Advance Community Health at Washington State University, Spokane, WA.
5. **Brega AG** (May 2023). Health literacy and diabetes outcomes: What do we know and what can we do? Invited presentation as part of the Addressing Health Literacy in Diabetes Care and Prevention Webinar Series hosted by the Colorado Department of Public Health and Environment-funded Extension for Community Health Outcomes (ECHO) Colorado, Aurora, CO.

#### NATIONAL

1. Shaughnessy PW, Crisler KS, **Brega AG**, & Kaehny MM (October 2001). An overview of Outcome-Based Continuous Quality Improvement. Oral presentation at the annual meeting of the National PACE Association, St. Louis, MO.
2. Shaughnessy PW, Crisler KS, Kaehny MM, & **Brega AG** (October 2001). The COCOA data set: Its development, objectives, and multiple uses for PACE operations, administration, and participant outcomes. Oral presentation at the annual meeting of the National PACE Association, St. Louis, MO.
3. Ng T, Palmer L, **Brega A**, & Kramer K (January 2008). Nursing home rehospitalization measures – a proposal. Oral presentation for the Centers for Medicare & Medicaid Services Measures Forum, Baltimore, MD (presented by teleconference from Denver, CO).
4. **Brega AG** (July 2008). Nursing home quality measures: Evaluation and transition to MDS 3.0. Oral presentation for the Centers for Medicare & Medicaid Services Measures Forum, Baltimore, MD (presented by teleconference from Denver, CO).
5. **Brega AG** (September 2009). Evaluating program effectiveness. Oral presentation for the Honoring the Gift of Heart Health National Training and Dissemination Workshop, Denver, CO.
6. **Brega AG** (October 2009). Program evaluation and progress reporting. Oral presentation for the Legacy Award Technical Assistance Workshop, Denver, CO.
7. **Brega AG** (April 2010). Health literacy and glycemic control among American Indians and Alaska Natives with diabetes. Oral presentation for the Network for Multicultural Research on Health and Healthcare, Healthcare Quality Scholars Program, University of California Los Angeles (presented by teleconference from Aurora, CO).
8. **Brega AG** (June 2010). Association of health literacy with glycemic control among American Indians and Alaska Natives with diabetes. Oral presentation for the Network for Multicultural Research on Health and Healthcare, Healthcare Quality Scholars Program, University of California Los Angeles, Los Angeles, CA.
9. **Brega AG** (October 2010). Evaluating program effectiveness. Presentation for the Legacy Award Technical Assistance Workshop, Denver, CO.
10. **Brega A** & Jim D (September 2011). Honoring the Gift of Heart Health. Invited oral presentation at the National Heart, Lung, and Blood Institute Community Health Worker Initiative Evaluation Meeting, Bethesda, MD.
11. **Brega AG** (October 2011). Evaluation of health literacy-related quality improvement activities. Invited to present and serve on the panel entitled "Health Literacy and Health Care Quality" at the 3rd Annual Health Literacy Research Conference, Chicago, IL.
12. **Brega AG** (February 2012). Evaluation tools and resources. Oral presentation for the Honoring the Gift of Heart Health National Training and Dissemination Workshop, San Diego, CA.

13. **Brega AG** (September 2012). Health literacy & diabetes management. Invited to present a workshop on health literacy for grantees of the Special Diabetes Program for Indians Health Heart Demonstration Project, Denver, CO.
14. **Brega AG** (September 2012). Update on the health status of urban American Indians and Alaska Natives. Oral presentation at the Bringing Wellness to Urban Indian Communities Conference, Santa Barbara, CA.
15. **Brega AG** (September 2012). Adopting a public health approach to addressing health disparities. Oral presentation at the Bringing Wellness to Urban Indian Communities Conference, Santa Barbara, CA.
16. **Brega AG** (October 2012). Health literacy and diabetes in American Indian/Alaska Native communities. Invited oral and panel presentation on health literacy and diabetes in high-risk peoples, American Diabetes Association's 5th Disparities Partnership Forum, Washington, DC.
17. **Brega AG** (April 2013). Conducting a community assessment and policy scan. Online seminar presented for sub-recipients of the University of Colorado's REACH 2012 Project, Aurora, CO.
18. **Brega AG** (April 2013). Demonstration of the Health Literacy Universal Precautions Toolkit. I presented four online seminars for practices participating in the demonstration, Aurora, CO.
19. **Brega AG** (May 2013). Community assessment and policy scan. Oral presentation for the REACH 2012 Kick-Off Training, Denver, CO.
20. **Brega AG** (May 2013). Evaluating policy, systems, and environmental change. Oral presentation for the REACH 2012 Kick-Off Training, Denver, CO.
21. **Brega AG** (January 2014). Addressing health literacy in the prevention & management of diabetes. Invited to present an online workshop for the sixty-six health care programs participating in the Special Diabetes Program for Indians demonstration programs, Aurora, CO.
22. **Brega AG** (December 2015). Numeracy intervention to improve diabetes self-management. Invited to present project findings at the monthly meeting of the NIDDK-funded Centers for Diabetes Translation Research.
23. **Brega AG** (September 2019). Center for American Indian and Alaska Native Diabetes Translation Research: Pilot and Feasibility Program update. Oral presentation at the 2019 NIDDK Centers for Diabetes Translation Research Annual Directors' Meeting, Bethesda, MD.
24. **Brega AG** (December 2019). Health literacy & diabetes management. Online seminar for tribal health organizations participating in the pilot test of the culturally adapted version of the American Diabetes Association's What Can I Eat? diabetes nutrition education curriculum.
25. +Stotz SA, **Brega AG**, Moore K (June 2019). Online diabetes nutrition education for American Indian and Alaska Native adults with type 2 diabetes: Stakeholder perspectives. Poster presentation at the Resource Centers for Minority Aging Research Annual Investigator Meeting, Los Angeles, CA.
26. **Brega AG** (September 2020). Center for American Indian and Alaska Native Diabetes Translation Research: Pilot and Feasibility Program update. Oral presentation at the 2019 NIDDK Centers for Diabetes Translation Research Annual Directors' Meeting (virtual).
27. **Brega AG** (October 2020). Health literacy & gestational diabetes risk reduction among American Indians & Alaska Natives. Invited presentation at the Diabetes Mellitus Interagency Coordinating Committee Virtual Meeting (presented by teleconference from Aurora, CO).
28. Manson SM, **Brega AG**, Fort M, & +Stotz S (October 2021). Center for American Indian and Alaska Native Diabetes Translation Research: Organizational framework and resource cores. Oral presentation at the 2021 NIDDK Centers for Diabetes Translation Research Annual Directors' Meeting (presented by teleconference from Aurora, CO).

29. Manson SM, **Brega AG**, Fort MP, +Stotz SA, & Sinclair KA (November 2021). Expanding and enhancing research addressing diabetes in Native communities. Virtual presentation for the Center for American Indian and Alaska Native Diabetes Translation Research's quarterly webinar series, Aurora, CO.
30. **Brega AG** & Oberly J (June 2023). Health literacy and diabetes management: Addressing health literacy in Native-serving health care settings. Invited webinar presented for the Center for American Indian and Alaska Native Diabetes Translation Research Enrichment Program (presented by teleconference from Aurora, CO).

#### **INTERNATIONAL**

1. Grigsby J, **Brega AG**, & DeVore PA (May 2004). Health services research and the evaluation of telemedicine. Invited oral presentation at the Second International Symposium on Future Directions for Telemedicine, University of Michigan, Ann Arbor, MI.

### **10. TEACHING RECORD**

#### **COURSES DEVELOPED AND TAUGHT**

##### **Graduate Courses at the Colorado School of Public Health (ColoradoSPH)**

##### ***Health Literacy & Public Health (CBHS 6670 & 6615)***

Course developer and sole instructor for this 2-credit elective course in the MPH program.

- Fall 2012 (11 students)
- Fall 2014 (12 students)
- Fall 2016 (13 students)
- Spring 2022 (10 students)

##### ***Social Determinants of American Indian and Alaska Native Health (CBHS 6644)***

Course developer and sole instructor for this 3-credit course required for students in the American Indian and Alaska Native Health Certificate Program. The course is an elective in the MPH program.

- Spring 2023 (6 students)

##### **Independent Graduate Studies Developed and Supervised**

##### ***Health Literacy Evaluation of Patient Materials (CBHS 6840 Independent Study)***

Course developer and supervisor for independent study through which a health literacy evaluation was completed of patient materials used by primary care practices engaged in the Demonstration of the Health Literacy Universal Precautions Toolkit. The project resulted in the listed publication.

- 3-credit course conducted in Spring 2014
- MPH Student: Meg Freedman
- **Brega AG**, Freedman MAG, LeBlanc WG, Barnard J, Mabachi NM, Cifuentes M, Albright K, Weiss BD, Brach C, & West DR (2015). Using the AHRQ Health Literacy Universal Precautions Toolkit to improve the quality of patient materials. *Journal of Health Communication*, 20(supplement 2), 69-76. PubMed PMID: [26513033](https://pubmed.ncbi.nlm.nih.gov/26513033/)

##### **Undergraduate Courses Taught**

The University of Colorado Denver's Department of Health and Behavioral Science offers a bachelor's degree in public health. The instructional model for the program involves co-instructors, one from the home institution and one from the ColoradoSPH.

### ***Introduction to Public Health (PBHL 2001)***

ColoradoSPH co-instructor for 4-credit course that is required for the undergraduate degree in public health, fulfills the Behavioral and Social Science Core requirement for all students, and is a Guaranteed Transfer Pathways course for transfer students in the College of Liberal Arts and Sciences.

- Spring 2015: Co-instructor with Dr. Jean Scandlyn (85 students)
- Spring 2016: Co-instructor with Dr. Jean Scandlyn (94 students)
- Spring 2017: Co-instructor with Dr. Jean Scandlyn (95 students)
- Fall 2017: Co-instructor with Dr. Jean Scandlyn (110 students)
- Fall 2018: Co-instructor with Dr. Jean Scandlyn (114 students)
- Spring 2021: Co-instructor with Dr. Hyeyoung Nelson (56 students)
- Fall 2021: Co-instructor with Dr. Jean Scandlyn (79 students)
- Fall 2022: Co-instructor with Dr. David Tracer (80 students)
- Fall 2023: Co-instructor with Bonginkhosi Vilakati, PhD candidate (50 students)

### ***Social Determinants of Health (PBHL 4040)***

ColoradoSPH co-instructor for this 3-credit course that is required for the undergraduate degree in public health.

- Spring 2017: Co-instructor with Dr. Jimi Adams (41 students)
- Spring 2018: Co-instructor with Dr. Stacey McKenna (53 students)

### **GUEST LECTURES**

#### **Repeated Guest Lectures**

1. **Brega AG.** Implications of health literacy for health behavior and outcomes. Guest lecture in "Foundations of Health Behavior" (CBHS 6611, Jenn Leiferman), ColoradoSPH, Aurora, CO. Fall 2009, 2010, 2011; Spring 2011, 2012.
2. **Brega AG.** Theory of health behavior. Guest lecture in "Social and Behavioral Factors in Health" (CBHS 6610, Arnold Levinson), ColoradoSPH, Aurora, CO. Fall 2009, 2010, 2011; Spring 2011.

#### **Additional Guest Lectures**

1. **Brega AG** (September 2009). Executive functioning in daily life. Guest lecture in "Neuropsychology" (Psychology 3810, Jim Grigsby), University of Colorado Denver, Denver, CO.
2. **Brega AG** (November 2018). Health literacy and public health. Guest lecture in "Social Determinants of Health" (PBHL 4040, Ronica Rooks and Betsy Risendal), University of Colorado Denver, Denver, CO.

### **OTHER EDUCATIONAL PRESENTATIONS**

1. **Brega AG** (April 2001). Introduction to statistics. Module 1 of a 10-module seminar provided for faculty and staff of the Center for Health Services Research, Department of Medicine, University of Colorado Health Sciences Center.
2. **Brega A, Richard A, Beaudry J, Conway K, West L, Donelan-McCall N, & DeVore P** (September 2001). Confidentiality: What it is and why it is important. Presentation at the monthly research conference of the Center for Health Services Research, Department of Medicine, University of Colorado Health Sciences Center.

3. **Brega A**, DeVore P, & Grigsby J (October 2001). To IRB or to OMB... that is the question: Institutional and federal oversight of human subjects research. Presentation at the monthly research conference of the Center for Health Services Research, Department of Medicine, University of Colorado Health Sciences Center.
4. **Brega A** (October 2004). Enhancement of patient outcomes: The process of care investigation. Module 5 of a two-day outcome-based quality improvement training for home care providers and administrators, Albany, NY.
5. Crisler K & **Brega AG** (May 2005). All about outcomes for Licensed Home Care Services Agencies (LHCSAs). Invited presentation as part of the Home Care Community Forum educational series sponsored by the New York-based Community Health Care Services Foundation, Inc.

#### DEVELOPMENT OF EDUCATIONAL MATERIALS

1. Baillie L, Crisler K, & **Brega AG** (2004). Outcome-Based Quality Improvement: Training Manual. Aurora, CO: Center for Health Services Research.
2. **Brega AG** & Grigsby J (2005). Colorado Fragile X Consortium: Research, Treatment, Education. Accessible at [www.fragilexcolorado.org](http://www.fragilexcolorado.org) (website was discontinued when related grant ended).
3. Grigsby J & **Brega AG** (2008). Cognitive functioning in FXTAS: An overview of current knowledge. *The National Fragile X Foundation Quarterly*, 31, 29-31.
4. **Brega AG** (2010). Contributed materials related to the evaluation of cardiovascular disease risk reduction programs to the website of the University of Colorado Center of Excellence for Eliminating Disparities.
5. **Brega AG** (2011). Cardiovascular knowledge among urban American Indians and Alaska Natives. Summary report for Centers for Disease Control and Prevention-funded Racial and Ethnic Approaches to Community Health (REACH) Program ([www.reachcoalition.org](http://www.reachcoalition.org)).
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7. Matlock DD MPH, Vigil D, Jenkins A, Mellis K, Varosy P, Masoudi F, **Brega A**, & Magid D (2013). A decision aid for implantable cardioverter-defibrillators (ICD). An infographic developed to aid in patient decision-making.
8. Matlock D, Mellis K, Jenkins A, Varosy P, Joyce K, Lord S, McComb J, Thomson R, **Brega A**, Masoudi F, & Elwyn G (2013, updated in 2014). Implantable Cardioverter Defibrillator (ICD) for Patients with Heart Failure. Option grid prepared to aid in patient decision-making.

#### COORDINATION OF EDUCATIONAL PROGRAMS

- |                |  |
|----------------|--|
| 2000 - 2005    | Co-Chair of the Education Committee for the Center for Health Services Research/Division of Health Care and Policy Research, Department of Medicine, University of Colorado Denver. Coordinated monthly research training sessions and conferences for faculty and staff. From 2000-2005, more than one hundred seminars were conducted, with an average attendance of twenty-four people. |
| 2018 - Present | Member of the American Indian and Alaska Native Health Certificate Program Oversight Committee, which has directed the development/implementation of and recruitment of students for the new certificate program.  |
| 2021 - Present | Founding and continuing director of the Leadership Development Program for the Center for American Indian and Alaska Native Diabetes Translation Research.   |

2022 - Present Director of the general Community and Behavioral Health concentration in the ColoradoSPH MPH program.

#### **MENTORING OF JUNIOR FACULTY**

As Director of the Pilot and Feasibility Program of the Center for American Indian and Alaska Native Diabetes Translation Research, I provide mentorship to junior investigators funded by the Center.

2017 - 2022 Cheryl Conway, PhD, MSN; Quality Consultant, Charles George Veterans Medical Center  
2017 - 2022 Amber Fyfe-Johnson, ND, PhD; Assistant Research Professor, Washington State University  
2017 - 2022 Vanessa Hiratsuka, PhD, MPH, Assistant Professor, University of Alaska  
2017 - 2023 Michelle Johnson-Jennings, PhD, M.Ed.; Professor, University of Washington  
2017 - 2023 Kimberly Huyser, PhD; Associate Professor, University of British Columbia  
2018 - 2019 Sarah Stotz, PhD, MS, RD, CDE; Assistant Professor, Colorado State University  
2019 - 2020 Christine Wey Hockett, PhD; Assistant Professor, University of South Dakota  
2020 - 2021 Luciana Hebert, PhD; Assistant Research Professor, Washington State University  
2020 - 2021 Cassandra Nikolaus Nguyen, PhD; Assistant Professor, UC Davis  
2022 - Present Elizabeth Anderson, DSW, LCSW; Associate Research Scientist, Pacific Institute for Research and Evaluation  
2022 - Present Ginny Lane, PhD; Assistant Professor, University of Idaho  
2022 - Present Chao Li, PhD; Clinical Assistant Professor, Oklahoma State University Center for Health Sciences  
2022 - Present Susanna Lopez, PhD; Postdoctoral Fellow, Oklahoma State University Center for Health Sciences  
2022 - Present Erin Morgan, PhD; Research Assistant Professor, Washington State University  
2022 - Present Maja Pedersen, PhD; Faculty Affiliate, University of Montana & Postdoctoral Fellow at Stanford University  
2022 - Present Brandon Varilek, PhD; Assistant Professor, South Dakota State University

#### **GRADUATE STUDENT MENTORING AND ADVISING**

##### **Academic Advising, Colorado School of Public Health (ColoradoSPH)**

Academic advisor for the following students in the MPH program:

2016 - 2018	Kelsey Yallop	2020 - 2022	Bryce Sedlmayr
2017 - 2018	Kelsie Sereno	2021 - 2021	Preetha Raj
2017 - 2019	Melissa Nguyen	2022 - 2022	Carl LaFaro
2017 - 2019	Lindsey Eierman	2022 - 2023	Summer MacAdam Gorham
2018 - 2018	Lily Mwandira	2022 - Present	Isabella Lopez Caceres
2019 - 2020	Katherine Myers	2022 - Present	Karen Uvina
2019 - 2021	Kailey Petro	2022 - Present	Sara Mumby
2019 - 2021	Ellen McManus	2022 - Present	Alejandra Armenta
2019 - 2021	Monica Edwards Fitzgerald	2023 - Present	Skye Ziegler
2020 - 2021	Elizabeth Larson	2023 - Present	Lasana Trawally

##### **Comprehensive Exam Committee - External Member**

2023 - Present Leandra Bitterfeld, Doctoral Candidate, School of Nursing, University of Colorado Anschutz Medical Campus

### **Master's Thesis Committees - Member**

- 2009 - 2010 Alanna Gangemi, Department of Psychology, University of Colorado Denver  
2010 - 2011 Michelle Haarhues, Department of Sociology, University of Colorado Denver

### **PROFESSIONAL DEVELOPMENT & CONTINUING EDUCATION**

- 2020 University of Colorado, Office of Digital Education  
*Online Skills Mastery Bootcamp (3 weeks)*
- 2020 University of Colorado, Office of Digital Education  
*Online Skills Mastery Full Class (8 weeks)*
- 2020 University of Colorado, Office of Digital Education  
*Creating Video Assignments with TechSmith Knowmia (Relay)*
- 2020 University of Colorado, Office of Digital Education  
*Designing for Collaboration: Group Projects in the Online Environment*
- 2021 University of Colorado, Office of Digital Education  
*Beyond the Board: Alternatives for Online Discussion and Collaboration*
- 2021 - 2022 Colorado Clinical Translational Sciences Institute  
*Leadership for Innovative Team Science Program*
- 2021 - 2022 University of Colorado  
*Equity Certificate Program*
- 2022 Association for Psychological Science  
*Becoming a Better Teacher: Maximizing Learning and Minimizing Effort*
- 2023 University of Colorado, Division for Teaching Innovation & Program Strategy  
*Personalizing Your Canvas Home Page*
- 2023 University of Colorado, Division for Teaching Innovation & Program Strategy,  
*Introduction to Canvas for Online/Hybrid Instructors*
- 2023 University of Colorado, Colorado Clinical and Translational Sciences Institute,  
*Communicating Your Science to the Public (3-part series)*

## **11. RESEARCH RECORD**

### **ACTIVE GRANTS AND CONTRACTS**

***Adapting Delivery of the Stopping Gestational Diabetes in Daughters and Mothers (SGDM) Intervention to Facilitate Broader Translation and Engagement among American Indian Female Adolescents and Young Adults***

PI: Angela G. Brega

Project Period: 7/1/2023 – 6/30/2026

Total Costs: \$599,696

Agency: American Diabetes Association (7-23-ICTSWH-08)

The goal of the project is to develop a social media toolkit to enable broader dissemination of the SGDM intervention into Native communities nationally.

***Center for American Indian and Alaska Native Diabetes Translation Research***

PIs: Spero M. Manson & **Angela G. Brega**

Project Period: 8/1/2021 – 7/31/2026

Total Costs: \$3,649,917

Roles: Multiple Principal Investigator, Associate Director of the Administrative Core, Director of the Translation Research Core, Director of the Pilot and feasibility Program, Lead of the Health Literacy Emphasis Area of the Translation Research Core

Agency: National Institute of Diabetes and Digestive and Kidney Diseases (P30DK092923)

The center provides training, consultation, and pilot grant funding to expand the translation of diabetes interventions of proven efficacy in American Indian and Alaska Native populations.

***Colorado Resource Center for Tribal Epidemiology Centers***

PIs: Spero M. Manson & Joan M. O'Connell

Project Period: 7/15/2022 – 3/31/2027

Total Costs: \$10,981,489

Role: Technical Assistance Provider

Agency: National Institute on Minority Health and Health Disparities (U24MD017761)

The center provides training, technical assistance, and other support for Tribal Epidemiology Centers to enhance their research capacity and to secure externally sponsored funding to meet the research and evaluation needs of the Native populations they serve.

**COMPLETED GRANTS AND CONTRACTS**

***Relationship of Parental Health Literacy with Change over Time in Oral Health Outcomes among American Indian Children***

PI: **Angela G. Brega**

Project Period: 7/6/2018 – 3/31/2022

Total Costs: \$898,358

Agency: National Institute for Dental and Craniofacial Research (R01DE027077)

The project involved the testing of a theoretical framework aimed at clarifying how parental health literacy is associated with change over time in oral health outcomes in American Indian children.

***Culturally Tailoring a Dietary Support Program for Tribal and Urban AIAN Communities***

PI: Kelly Moore

Project Period: 5/1/2018 – 4/30/2022

Total Costs: \$348,847

Role: Co-Investigator, Health Literacy Expert

Agency: American Diabetes Association (4-18-SMSC-01)

This project involved the cultural adaptation of the American Diabetes Association's "What Can I Eat?" diabetes nutrition education curriculum for Native populations.

***Supporting AI/AN Mothers and Daughters in Reducing Gestational Diabetes Risk***

PIs: Denise Charron-Prochownik & Kelly Moore

Project Period: 5/8/2015 – 3/31/2020

Total Costs: \$3,182,365

Role: Co-Investigator, Health Literacy Expert

Agency: National Institute of Nursing Research (R01NR014831)

The project resulted in cultural adaptation and testing of a pre-conception counseling intervention to reduce gestational diabetes risk among Native female adolescents and young women.

***Assessing the Quality of Liver Transplant Education: A Patient-Centered Approach***

PI: James Pomposelli

Project Period: 7/1/2017 – 9/30/2018

Role: Co-Investigator, Health Literacy Expert

Agency: University of Colorado Anschutz Medical Campus, Department of Surgery (no grant #)

The project involved health literacy evaluation of written materials provided to patients undergoing evaluation for a liver transplant.

***Making Patient Navigation & Understanding Easier: Developing Quality Improvement Measures***

Co-PIs: **Angela G. Brega (Scientific Lead)** & Mark Gritz (Administrative Lead)

Project Period: 9/21/2015 – 10/31/2017

Total Costs: \$297,122

Agency: Agency for Healthcare Research and Quality (HHSP 233201500025I / HHSP 23337002T)

The project resulted in the identification and evaluation of quality measures to help health care organizations assess health literacy-related features of their environments and monitor the impact of quality improvement efforts aimed at increasing support for patients with limited health literacy.

***Numeracy Intervention to Improve Diabetes Self-Management***

PI: **Angela G. Brega**

Project Period: 5/1/2012 – 7/31/2017

Total Costs: \$47,500

Agency: National Institute of Diabetes and Digestive and Kidney Diseases (pilot project funded by Center for American Indian and Alaska Native Diabetes Translational Research – P30DK092923, Spero M. Manson) (no grant #)

The goal of the pilot project was to develop a computerized intervention to teach American Indians and Alaska Natives the mathematical skills needed for the successful self-management of diabetes.

***Developing a Diabetes Numeracy Intervention for American Indians/Alaska Natives***

PI: **Angela G. Brega**

Project Period: 5/10/2013 – 10/31/2016

Total Costs: \$439,569

Agency: National Institute of Diabetes and Digestive and Kidney Diseases (R21DK093946)

This project resulted in the development and testing of a classroom-based curriculum to improve diabetes-related numeracy skills among American Indians and Alaska Natives with diabetes.

***Development and Pilot of Three Patient Decision Aids for Implanted Defibrillators***

PI: Dan Matlock

Project Period: 9/1/2012 – 12/31/2014

Total Costs: \$700,000

Role: Co-Investigator, Health Literacy Expert

Agency: Patient-Centered Outcomes Research Institute (IP2P1000116)

The goal of the project was to develop and evaluate three decision aids for use by patients considering implantable cardioverter-defibrillators.

***Demonstration of the Health Literacy Universal Precautions Toolkit***

PI: David West

Project Period: 9/22/2010 – 9/21/2014

Total Costs: \$1,160,000

Role: **Scientific Lead**, Task Order Leader

Agency: Agency for Healthcare Research and Quality (HHSA290200710008, TO 10)

This demonstration project aimed to evaluate the implementation of the Health Literacy Universal Precautions Toolkit in medical practice settings.

***Policy, Environmental, and Systems Improvements for Preventing Diabetes and CVD***

PI: Tim Noe

Project Period: 9/30/2012 – 9/29/2014

Total Costs: \$3,598,634

Role: Co-Investigator, Program Evaluator

Agency: Centers for Disease Control and Prevention (U58DP004690)

This center supported Urban Indian Health Programs to develop and implement strategies to enhance the health of urban Natives through policy, systems, and environmental change.

***Center for Native Oral Health Research***

PI: Judith E. Albino

Project Period: 9/24/2008-5/31/2015

Total Costs: \$14,820,185

Role: Co-Investigator, Measurement Lead

Agency: National Institute for Dental and Craniofacial Research (U54DE019259)

The objective of the center was to develop and evaluate interventions to reduce the incidence of oral health problems in Native communities, focusing particularly on early childhood caries.

***Health Literacy & Diabetes Outcomes among American Indians and Alaska Natives***

PI: **Angela G. Brega**

Project Period: 1/15/2010 – 11/14/2010

Total Costs: \$22,530

Agency: Network for Multicultural Research on Health and Healthcare, University of California Los Angeles (supported by the Robert Wood Johnson Foundation) (62609)

The goal of the project was to clarify the mechanisms underlying the relationship between health literacy and glycemic control in American Indians and Alaska Natives with diabetes.

***Special Diabetes Program for Indians Competitive Grants Program Coordinating Center***

PI: Spero M. Manson

Project Period: 9/27/2004 – 7/30/2013

Total Costs: \$22,216,201

Role: Co-Investigator

Agency: Indian Health Service (HHS1242200400049C)

The center assisted the Indian Health Service in establishing, training, and monitoring the sixty-six grantees supported by the Special Diabetes Program for Indians competitive grant programs.

***Racial and Ethnic Approaches to Community Health US (the Center of Excellence for Eliminating Disparities, CEED)***

PI: Spero M. Manson

Project Period: 9/30/2007 – 9/29/2012

Total Costs: \$5,460,170

Role: Co-Investigator, Program Evaluator

Agency: Centers for Disease Control and Prevention (U58DP00120)

The center collaborated with the staff of Urban Indian Health Programs to plan, organize, and direct a comprehensive cardiovascular disease risk reduction program for adult patients.

***Addressing Diabetes/CVD Health Disparities among American Indians: A Transdisciplinary Approach (the FIT Health Project)***

PIs: Jan Beals & Kelly Moore

Project Period: 9/28/2009 – 5/31/2012

Total Costs: \$1,334,969

Role: Co-Investigator

Agency: National Center for Minority Health and Health Disparities (RC2MD004738)

The study aimed to evaluate the impact on weight loss of an electronic device designed to encourage moderate exercise among overweight American Indians and Alaska Natives.

***American Indian and Alaska Native Health Disparities***

PI: Spero M. Manson

Project Period: 9/30/2007 – 9/29/2012

Total Costs: \$5,460,170

Role: Co-Investigator

Agency: National Center on Minority Health and Health Disparities (P60MD000507)

The center supported and coordinated studies to investigate means of reducing the risk of health disparities among American Indians and Alaska Natives.

***Development, Maintenance, and Implementation of Nursing Home Quality of Care Measures***

PI (Subcontract): **Angela G. Brega**

Project Period: 10/1/2006 – 7/31/2008

Total Direct Costs: \$273,692

Agency: Centers for Medicare & Medicaid Services (HHSM-500-2005-C0001C)

The purpose of the project was to evaluate and refine the quality measures publicly reported for Medicare-certified nursing homes.

***Outcome-Based Quality Improvement Demonstration in Licensed Home Care Services Agencies***

PI: **Angela G. Brega**

Project Period: 1/2005 – 12/2007

Total Costs: \$200,000

Agency: New York State Department of Health (C015111)

The purpose of the project was to refine and evaluate an assessment data set and outcome-based quality improvement approach tailored for non-Medicare-certified home care agencies.

***Chemotherapy and Cognition in Older Breast Cancer Patients***

PI: Jim Grigsby

Project Period: 7/1/2004 – 6/30/2009

Total Costs: \$2,633,759

Role: Co-Investigator

Agency: National Institute on Aging (R01AG022551)

The purpose of the project was to examine the effect of chemotherapy on cognition among women with breast cancer and to investigate the mechanisms underlying such impairment.

***Action Tremor and Dementia in Male Carriers of Fragile X***

PI: Jim Grigsby

Project Period: 9/15/2003 – 6/30/2008

Total Costs: \$2,654,479

Role: Co-Investigator

Agency: National Institute of Neurological Disorders and Stroke (R01NS044299)

The goal of the project was to characterize the neurologic, neuropsychiatric, radiologic, and molecular features of Fragile X Tremor-Ataxia Syndrome (FXTAS).

***Effects of Androgen Blockade on Cognition and Quality of Life in Men with Prostate Cancer***

PI: Jim Grigsby

Project Period: 1/2002 – 8/2005

Total Direct Costs: \$225,000

Role: Co-Investigator

Agency: Department of Defense (PCo10257)

The goal of the project was to assess the effect of testosterone suppression on cognitive functioning among men undergoing treatment for stage IV prostate cancer.

***New York State Outcome-Based Quality Improvement Demonstration Project***

PI: Peter W. Shaughnessy

Project Period: 2/1998 – 12/2004

Total Direct Costs: \$1,909,850

Role: Co-Principal Investigator

Agency: New York State Department of Health (C015111)

The goal of the demonstration was to develop and evaluate outcome-based quality improvement systems for Medicare-certified and non-certified home care agencies in New York State.

***Study of Medicare Home Health Practice Variations***

PI: Robert E. Schlenker

Project Period: 9/1997 – 4/2002

Total Direct Costs: \$1,180,000

Role: Co-Principal Investigator

Agency: Assistant Secretary for Planning and Evaluation (HHS-100-95-0045)

The objective of the project was to investigate the causes and implications of dramatic variations in the provision of Medicare home health care services.

***Project to Develop an Outcome-Based Continuous Quality Improvement System for PACE***

PI: Peter W. Shaughnessy

Project Period: 9/1996 – 9/2004

Total Direct Costs: \$2,500,000

Role: Co-Investigator

Agency: Centers for Medicare & Medicaid Services (500-96-0004/T.O. #2)

The objective of the project was to develop an assessment data set and quality improvement system for the Program of All-Inclusive Care for the Elderly (PACE).

**PENDING GRANTS AND CONTRACTS**

***From Discrimination to Distrust to Fear and Anxiety: Why American Indian Communities Don't Visit the Dentist***

PI: Tamanna Tiwari

Project Period: 12/1/2023 – 11/30/2024

Total Direct Costs: \$150,000

Role: Co-Investigator

Agency: CareQuest Institute for Oral Health

The objective of the proposed project is to clarify the role that perceived discrimination, dental anxiety/fear, and trust in providers play in the utilization of dental care among American Indian adults.

**12. BIBLIOGRAPHY**

<sup>^</sup> Denotes graduate student.

<sup>+</sup> Denotes junior faculty mentee.

<sup>++</sup> Denotes senior author.

**PAPERS PUBLISHED IN PEER-REVIEWED JOURNALS**

*Impact of Peer-Reviewed Publications (Source: Google Scholar, 8/29/2023)*

Total citations = 2,378

H-index = 25

i10-index = 37

1. **Brega AG** & Coleman LM (1999). Effects of religiosity and racial socialization on subjective stigmatization in African American adolescents. *Journal of Adolescence*, 22, 223-242. PubMed PMID: [10089121](#)
2. **Brega AG** & Healy AF (1999). Sentence interference in the Stroop task. *Memory and Cognition*, 27, 768-778. PubMed PMID: [10540806](#)
3. **Brega AG**, Jordan AK, & Schlenker RE (2003). Practice variations in home health care. *Home Health Care Services Quarterly*, 22(3), 41-64. PubMed PMID: [14629083](#)
4. Grigsby J, **Brega AG**, & DeVore PA (2005). The evaluation of telemedicine and health service research. *Telemedicine and e-Health*, 11(3), 317-328. PubMed PMID: [16035929](#)
5. **Brega AG**, Goodrich GK, Powell MC, & Grigsby J (2005). Racial and ethnic disparities in the outcomes of elderly home care recipients. *Home Health Care Services Quarterly*, 24(3), 1-21. PubMed PMID: [16203687](#)

6. Grigsby J, **Brega AG**, Jacquemont S, Loesch DZ, Leehey MA, Goodrich GK, Hagerman RJ, Epstein J, Wilson R, Cogswell JB, Jardini T, Tassone F, & Hagerman PJ (2006). Impairment in the cognitive functioning of men with fragile X-associated tremor/ataxia syndrome (FXTAS). *Journal of Neurological Sciences*, 248, 227-233. [Ranked #4 on the journal's list of the most frequently cited papers from 2006-2008.] PubMed PMID: [16780889](#)
7. Grigsby J, **Brega AG**, Leehey MA, Goodrich GK, Jacquemont S, Loesch DZ, Cogswell JB, Epstein J, Wilson R, Jardini T, Gould E, Bennett RE, Hessel D, Cohen S, Cook K, Tassone F, Hagerman PJ, & Hagerman RJ (2007). Impairment of executive cognitive functioning in males with fragile X-associated tremor/ataxia syndrome (FXTAS). *Movement Disorders*, 22(5), 645-650. PubMed PMID: [17266074](#)
8. Barton PL, **Brega AG**, DeVore PA, Mueller K, ^Paulich MJ, Floersch NR, Goodrich GK, Talkington SG, ^Bontrager J, Grigsby B, Hrinkevich C, Neal S, Loker JL, Araya TM, Bennett RE, & Grigsby J (2007). Specialist physicians' knowledge and beliefs about telemedicine: A comparison of users and non-users of the technology. *Telemedicine and e-Health*, 13(5), 487-499. PubMed PMID: [17999611](#)
9. Grigsby B, **Brega AG**, Bennett RE, DeVore PA, ^Paulich MJ, Talkington SG, Floersch NR, Barton PL, Neal S, Araya TM, Loker JL, Krohn N, & Grigsby J (2007). The slow pace of interactive video telemedicine adoption: The perspective of telemedicine program administrators on physician participation. *Telemedicine and e-Health*, 13(6), 645-656. PubMed PMID: [18092926](#)
10. Grigsby J, **Brega AG**, Engle K, Leehey MA, Hagerman RJ, Tassone F, Hessel D, Hagerman PJ, Cogswell JB, Bennett RE, Cook K, Hall DA, Bounds LS, ^Paulich MJ, & Reynolds A (2008). Cognitive profile of fragile X premutation carriers with and without fragile X-associated tremor/ataxia syndrome. *Neuropsychology*, 22, 48-60. PubMed PMID: [18211155](#)
11. **Brega AG**, Goodrich GK, Bennett RE, Hessel D, Engle K, Leehey MA, Bounds LS, ^Paulich MJ, Hagerman RJ, Hagerman PJ, Cogswell JB, Tassone F, Reynolds A, Kookan R, Kenny M, & Grigsby J (2008). The primary cognitive deficit among males with fragile X-associated tremor/ataxia syndrome (FXTAS) is a dysexecutive syndrome. *Journal of Clinical and Experimental Neuropsychology*, 30, 853-869. PubMed PMCID: [PMC4098148](#)
12. **Brega AG**, Grigsby J, Kookan R, Baxter J, & Hamman RF (2008). The impact of executive cognitive deficits on smoking cessation: Findings from the San Luis Valley Health and Aging Study. *Age and Ageing*, 37, 521-525. PubMed PMID: [18515287](#)
13. **Brega AG**, Crisler KS, & Barhydt NR (2008). Improving the outcomes of home care services in New York State: A national model. *Home Healthcare Nurse*, 26(10), 614-622. PubMed PMID: [19001917](#)
14. **Brega AG**, Reynolds A, Bennett RE, Leehey MA, Cogswell JB, Kookan R, Hagerman RJ, Hagerman PJ, & Grigsby J (2009). Functional status of men with the fragile X premutation, with and without the tremor/ataxia syndrome (FXTAS). *International Journal of Geriatric Psychiatry*, 24(10), 1101-1109. PubMed PMCID: [PMC4414034](#)
15. **Brega AG**, Noe T, LoudHawk-Hedgepeth C, Jim DM, ^Morse B, Moore K, & Manson SM (2011). Cardiovascular knowledge among urban American Indians and Alaska Natives: First steps in addressing community needs. *Progress in Community Health Partnerships: Research, Education, and Action*, 5(3), 273-279. PubMed PMCID: [PMC4443442](#)
16. **Brega AG**, Jiang L, Beals J, Manson SM, Acton KJ, Roubideaux Y, & the Special Diabetes Program for Indians Demonstration Projects (2012). Special Diabetes Program for Indians: Reliability and validity of brief measures of print literacy and numeracy. *Ethnicity & Disease*, 22(2), 207-214. PubMed PMID: [22764644](#)

17. **Brega AG**, Ang A, Vega W, Jiang L, Beals J, Mitchell C, Moore K, Manson SM, Acton KJ, Roubideaux Y, & the Special Diabetes Program for Indians Demonstration Projects (2012). Mechanisms underlying the relationship between health literacy and glycemic control in American Indians and Alaska Natives. *Patient Education and Counseling*, 88, 61-68. PubMed PMID: [22497973](#)
18. **Brega AG**, Pratte KA, Jiang L, Mitchell CM, +Stotz SA, LoudHawk-Hedgepeth C, ^Morse BD, Noe T, Moore KR, & Beals J (2013). Impact of targeted health promotion on cardiovascular knowledge among American Indians and Alaska Natives. *Health Education Research*, 28, 437-449. PubMed PMCID: [PMC3716215](#)
19. Wilson A, **Brega AG**, Batliner TS, Henderson W, Campagna E, Fehringer K, Gallegos J, Daniels D, & Albino J (2014). Assessment of parental oral health knowledge and behaviors among American Indians of a Northern Plains tribe. *Journal of Public Health Dentistry*, 74(2), 159-67. PubMed PMCID: [PMC4065026](#)
20. Batliner T, Fehringer KA, Tiwari T, Henderson WG, Wilson A, **Brega AG**, & Albino J (2014). Motivational interviewing with American Indian mothers to prevent early childhood caries: Study design and methodology of a randomized controlled trial. *Trials*, 15, 125. PubMed PMCID: [PMC4011767](#)
21. Bailey SC, **Brega AG**, Crutchfield TM, Elasy T, Herr H, Kaphingst K, Karter AJ, Moreland-Russell S, Osborn C, Pignone M, Rothman R, & Schillinger D (2014). Update on health literacy and diabetes. *Diabetes Educator*, 40, 581-604. PubMed PMCID: [PMC4174500](#)
22. Braun PA, Lind KE, Batliner T, **Brega AG**, Henderson WG, Nadeau K, Wilson A, & Albino J (2014). Caregiver reported oral health-related quality of life in young American Indian children. *Journal of Immigrant and Minority Health*, 16, 951-958. PubMed PMCID: [PMC3868637](#)
23. Braun PA, Lind KE, Henderson WG, **Brega AG**, Quissell DO, & Albino J (2015). Validation of a pediatric oral health-related quality of life scale in Navajo children. *Quality of Life Research*, 24(1), 231-239. PubMed PMCID: [PMC4282938](#)
24. **Brega AG**, ^Freedman MAG, LeBlanc WG, Barnard J, Mabachi NM, Cifuentes M, Albright K, Weiss BD, Brach C, & West DR (2015). Using the Health Literacy Universal Precautions Toolkit to improve the quality of patient materials. *Journal of Health Communication*, 20(Supplement 2), 69-76. PubMed PMID: [26513033](#)
25. Albino J, Shapiro AL, Henderson WG, Tiwari T, **Brega AG**, Thomas JF, Bryant LL, Braun PA, & Quissell DO (2016). Validation of the Sense of Coherence Scale in an American Indian population. *Psychological Assessment*, 28, 386-393. PubMed PMCID: [PMC4720579](#)
26. **Brega AG**, Thomas JF, Henderson WG, Batliner TS, Quissell DO, Braun PA, Wilson A, Bryant LL, Nadeau KJ, & Albino J (2016). Association of parental health literacy with oral health status of Navajo Nation preschoolers. *Health Education Research*, 31, 70-81. PubMed PMCID: [PMC4751219](#)
27. Weiss BD, **Brega AG**, LeBlanc WG, Mabachi NM, Barnard J, Albright K, Cifuentes M, Brach C, & West DR (2016). Improving the effectiveness of medication review: A tool from the AHRQ Health Literacy Universal Precautions Toolkit. *Journal of the American Board of Family Medicine*, 29, 18-23. PubMed PMID: [26769873](#)
28. Wilson AR, **Brega AG**, Campagna E, Braun PA, Henderson WG, Bryant LL, Batliner TS, Quissell DO, & Albino JA (2016). Validation and impact of caregivers' oral health knowledge and behavior on children's oral health status. *Pediatric Dentistry*, 38, 47-54. PubMed PMCID: [PMC4762180](#)

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16. Brown TL, **Brega A**, Roubideaux YD, Beals J, Jiang L, Manson SM, & Acton KJ (June 2009). Special Diabetes Program for Indians: Impact of the Healthy Heart Project on diabetes knowledge. Poster presented at the American Diabetes Association's 69th Scientific Sessions, New Orleans, LA. Refereed abstract published in *Diabetes*, 58.
17. Grigsby J, Leehey MA, Rubinstein D, Adams J, **Brega AG**, Adams P, Hagerman RJ, Du Y, Brown MS, & Bennett RE (March 2010). MRI findings among asymptomatic male carriers of the fragile X premutation. Oral presentation at the 43<sup>rd</sup> annual Gatlinburg Conference on Research & Theory in Intellectual and Developmental Disabilities: Fragile X Syndrome: Frontiers of Behavior and Biology, Annapolis, MD. Published in conference proceedings, 184.
18. ^Morse B, LoudHawk C, Noe T, **Brega A**, Jim D, & Moore K (October 2010). Seeking partnerships: Problem identification and community-based approaches. Poster presented at the ColoradoSPH's 9<sup>th</sup> Annual Culture of Data Conference, Aurora, CO.
19. **Brega A**, Schaffer G, Dick R, Cudeii D, Big Crow C, Henderson W, Orlando V, Daniels D, Quissell D, Batliner T, & Albino J (November 2010). Pilot testing for the Center for Native Oral Health Research: Use of Audio Computer-Assisted Self-Interviewing (ACASI) technology to facilitate collection of oral health data in two American Indian tribes. Poster presented at the annual meeting of the American Public Health Association, Denver, CO.
20. Henderson W, Albino J, Quissell D, Batliner T, & **Brega A** (November 2010). Challenges in designing intervention studies to reduce oral health disparities in American Indian/Alaska Native (AI/AN) populations. Poster presented at the annual meeting of the American Public Health Association, Denver, CO.
21. LoudHawk C, **Brega A**, Pratte K, Jim D, +Stotz SA, ^Morse B, Noe T, Mitchell C, Dick R, Jancosko E, Moore K, & Beals J (October 2011). The Impact of Honoring the Gift of Heart Health (HGHH) Curriculum on Cardiovascular Knowledge among Urban American Indians and Alaska Natives (AI/ANs). Poster presented at the ColoradoSPH's 10<sup>th</sup> Annual Culture of Data Conference, Aurora, CO.
22. **Brega A**, Ang A, Vega W, Jiang L, Beals J, Mitchell C, Moore K, Manson S, Acton K, & Roubideaux Y (October 2011). Mechanisms underlying the relationship between health literacy and glycemic control in American Indians and Alaska Natives. Selected as one of the top five abstracts submitted for the conference. Presentation at the Plenary Session of the 3rd Annual Health Literacy Research Conference, Chicago, IL.
23. Wilson AR, **Brega AG**, Batliner T, Fehringer K, Henderson W, Campagna E, & Albino J (March 2012). Parental oral health knowledge and behavior among American Indians. Poster presented at the annual meeting of the American Association for Dental Research, Tampa, FL.
24. Mabachi NM, Cifuentes M, Barnard J, **Brega A**, Albright K, Weiss B, & West D (July 2014). Demonstration of the Health Literacy Universal Precautions Toolkit: Lessons learned from the field. Presentation at the North American Primary Care Research Group (NAPCRG) Practice-Based Research Network (PBRN) Annual Conference, Bethesda, MD.
25. Withrow S, Glodé M, Brega A, Min S-j, Walker P, Karsh L, Grigsby J: (February 2015) The association of cognitive changes with quality of life in men with prostate cancer undergoing androgen deprivation therapy. Presentation at the 43<sup>rd</sup> Annual Meeting of the International Neuropsychological Society, Denver CO. *Journal of the International Neuropsychological Society*, 21(s1), 287-288.

26. Withrow S, Glodé M, **Brega A**, Min S-J, Walker P, Karsh L, Grigsby J (August 2016). Impact of androgen deprivation therapy on quality of life in men with stage IV prostate cancer. Poster presented at the annual convention of the American Psychological Association, Denver, CO.
27. Withrow S, Glodé M, **Brega A**, & Grigsby J (February 2017). Verbal learning and memory among prostate cancer patients undergoing androgen deprivation therapy. Presentation at the 45<sup>th</sup> Annual Meeting of the International Neuropsychological Society, New Orleans, LA. *Journal of the International Neuropsychological Society*, 23, 162.
28. **Brega AG**, Hamer MK, Albright K, Brach C, Saliba D, Abbey D, Cruse P, & Gritz RM (June 2018). Meet the ROHL-MS – the Recommended Organizational Health Literacy Measurement Set: A resource for informing and evaluating quality improvement initiatives. Poster presented at the Annual Research Meeting of AcademyHealth, Seattle, WA.
29. Moore KR, Stotz SA, **Brega AG**, & Gonzales K (June 2019). Facilitators and barriers to healthy eating among American Indian/Alaska Native adults with type 2 diabetes: Stakeholder perspectives. Poster presented at the American Diabetes Association’s 79th Scientific Sessions, San Francisco, CA. Refereed abstract published in *Diabetes*, 68 (Supplement\_1). <https://doi.org/10.2337/db19-662-P>
30. Stotz SA, **Brega AG**, & Moore K (June 2019). Online diabetes nutrition education for American Indian and Alaska Native adults with type 2 diabetes: Stakeholder perspectives. Poster presented at the American Diabetes Association’s 79th Scientific Sessions, San Francisco, CA. Refereed abstract published in *Diabetes*, 68 (Supplement\_1). <https://doi.org/10.2337/db19-663-P>
31. Stotz SA, **Brega AG**, & Moore K (August 2019). Online diabetes nutrition education for American Indian and Alaska Native adults with type 2 diabetes: Stakeholder perspectives. Poster presented at the Annual Conference of the American Association of Diabetes Educators, Houston, TX.
32. Wilson A, Tiwari T, Batliner T, **Brega A**, & Albino A (November 2019). Evaluation of motivational interviewing as an approach for early childhood caries in an American Indian community. Presentation at the annual meeting of the American Public Health Association, Philadelphia, PA.
33. Stotz SA, Lockhart S, **Brega AG**, & Moore KR (June 2020). Food insecurity and intervention opportunities for American Indians and Alaska Natives with type 2 diabetes: A qualitative analysis. Poster presented at the American Diabetes Association’s 80th Scientific Sessions, Chicago, IL. Refereed abstract published in *Diabetes*, 69 (Supplement\_1). <https://doi.org/10.2337/db20-673-P>
34. **Brega AG**, Johnson R, Schmiede SJ, Wilson AR, Jiang L, & Albino J (June-September 2020). Health literacy affects parental oral health behavior indirectly through knowledge and self-efficacy. Poster presented at the Virtual Poster Showcase of the 32<sup>nd</sup> Annual Convention of the Association for Psychological Science, Chicago, IL.
35. Stotz SA, **Brega A**, McNulty M, Adedoyin I, Austin G, Begay K, Couture N, Garrow H, Harris U, Jiang L, O’Banion N, Pavli D, Pontius H, Scarton L, Yanson J, & Moore KR (May 2022). Community-informed development and pilot evaluation of a diabetes nutrition education program for American Indians and Alaska Natives with type 2 diabetes: What Can I Eat? Healthy Choices for American Indian and Alaska Native Adults with Type 2 Diabetes. Oral and poster presentations at the Native Nutrition Conference, Shakopee, MN.
36. Stotz SA, **Brega AG**, McNulty M, Adedoyin I, Begay K, Couture N, Garrow H, Jiang L, O’Banion N, Pavli D, Pontius H, Scarton L, Yanson J, & Moore KR (June 2022). “What Can I Eat?” Healthy Choices for American Indians and Alaska Natives with T2D: Facilitators’ and participants’ voices from a virtual diabetes nutrition education program. Poster presented at the American Diabetes Association’s 82nd Scientific Sessions, New Orleans, LA. Refereed abstract published in *Diabetes*, 71 (Supplement\_1).

37. Moore KR, +Stotz SA, Brega AG, McNulty MC, Adedoyin I, Austin G, Couture N, Garrow H, O'Banion N, Pavli D, Pontius H, Yanson J, & Jiang L (June 2022). "What Can I Eat?" Healthy Choices for American Indians and Alaska Natives with T2D: Randomized wait-list controlled trial outcomes from a nutrition diabetes education program. Poster presented at the American Diabetes Association's 82nd Scientific Sessions, New Orleans, LA. Refereed abstract published in *Diabetes*, 71 (Supplement\_1). <https://doi.org/10.2337/db22-519-P>
38. +Stotz S, Moore K, **Brega A**, McNulty M, Adedoyin I, & Jiang, L (August 2022). Relationship of food insecurity with diabetes nutrition self-efficacy and behavior among American Indians and Alaska Natives. Oral presentation at the Annual Conference of the American Association of Diabetes Care and Education Specialists, Baltimore, MD. Abstract published in *Science of Diabetes Self-Management and Care*, 48 (4), 290.

#### NON-COMPETITIVE SCIENTIFIC ABSTRACTS

1. **Brega AG**, Goodrich GK, Grigsby J, & Powell MC (April 2004). Racial and ethnic disparities in home care for the elderly. Poster presented at the annual meeting of the Diversity Research Exchange, University of Colorado Health Sciences Center, Denver, CO.
2. **Brega A** & Grigsby J (January 2007). Cognitive functioning in male carriers of the fragile X premutation. Poster presented at the Hartford/Jahnigen Center of Excellence in Geriatrics Research Forum, Denver, CO.
3. Grigsby J, **Brega A**, Bennett R, Leehey M, Bounds L, ^Paulich M, & Rice C (January 2007). Executive cognitive impairment among males with fragile X-associated tremor/ataxia syndrome (FXTAS). Poster presented at the Hartford/Jahnigen Center of Excellence in Geriatrics Research Forum, Denver, CO.
4. Grigsby J, **Brega AG**, Hamman RF, & Baxter J (April 2008). Diabetes, cognition, and health services use among older adults: Findings from the San Luis Valley Health and Aging Study (SLVHAS). Poster presented at the Clinical Health Psychology Conference at the University of Colorado Denver, Denver, CO.
5. Batliner T, Albino J, & **Brega A** (July 2010). Knowledge, attitudes, and acceptance of MI. Oral presentation at the 22nd Annual Native Health Research Conference, Rapid City, SD.
6. ^Haarhues MD, Duran-Aydintug C, Ingram L, & **Brega AG** (November 2011). A content analysis of gender portrayal in advertisements aired during the men's and women's 2010 NCAA Basketball Tournament Final Four games. Poster presented at the Girls & Women in Sport/Physical Activity Conference 2011: Creating Change Conference, Minneapolis, MN.
7. **Brega AG**, Johnson R, Jiang L, Schmiede S, Wilson A, & Albino J (April 2019). Health literacy and oral health knowledge, attitudes, and behavior in a Northern Plains American Indian community. Poster presented at the 1<sup>st</sup> Annual Oglala Sioux Tribe Research Symposium, Kyle, SD.
8. **Brega AG**, Noe T, Pratte KA, Jiang L, Mitchell C, +Stotz S, LoudHawk-Hedgepeth C, ^Morse B, Moore K, & Beals J (April 2013). Impact of targeted health promotion on cardiovascular knowledge among American Indians and Alaska Natives. Poster presented at the Colorado Clinical Translational Sciences Institute's Community Engagement Research Exchange and Networking Forum, Denver, CO.
9. Wilson AR, **Brega AG**, Henderson WG, Harper M, Thomas JF, Manson SM, Batliner TS, Braun PA, Quissell DO, Tiwari T, & Albino J (October 2017). Association of ethnic identity with oral health knowledge, attitudes, behavior, and outcomes on the Navajo Nation. Oral presentation at the Navajo Nation Human Research Review Board Conference, Window Rock, AZ.