
BIOGRAPHICAL SKETCH

Provide the following information for the Senior/key personnel and other significant contributors in the order listed on Form Page 2.
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NAME Engelman, Kimberly K		POSITION TITLE	
eRA COMMONS USER NAME (credential, e.g., agency login) kengelman		Associate Professor	
EDUCATION/TRAINING <i>(Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable.)</i>			
INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	MM/YY	FIELD OF STUDY
St. Cloud State University, St. Cloud, MN	B.A.	05/93	Psychology (honors)
Minnesota State University, Mankato, MN	M.A.	05/95	Clinical Psychology
University of Kansas, Lawrence, KS	M.A.	05/97	Human Development
University of Kansas, Lawrence, KS	Ph.D.	12/99	Behavioral Psychology

A. Personal Statement

I am a Mid-Stage Investigator with over a decade of experience working in the area of cancer control and population health. I have built a research program from the ground up that focuses on systems-based approaches to determining key variables and effective behavioral-theory oriented methods to promote breast and colon cancer screening, particularly among underserved populations including American Indian, Latino community members as well as those residing in rural communities. I co-lead the Cancer Control and Population Health program at the University of Kansas Cancer Center and have secured over \$5.5 million in cancer related peer reviewed funding from the National Cancer Institute, the American Cancer Society, the Cancer Research and Prevention Foundation, and the Susan G. Komen Foundation. My program of research has uniquely utilized multi-method approaches of inquiry that leverage the use of qualitative and quantitative research methods. I also serve on the American Cancer Society's Cancer Control and Prevention: Health Policy and Health Services research peer review committee and have mentored numerous medical and public health students.

B. Positions and Honors

Positions and Employment

08/97 - 12/97 Graduate Teaching Assistant, Dept. of Human Development, University of Kansas, KS
06/99-Present Instructor, Continuing Education Department, University of Kansas, Lawrence, KS.
08/99 - 01/01 Research Instructor, Department of Preventive Medicine and Public Health, University of Kansas School of Medicine, Kansas City, KS
02/01 - 06/02 Research Assistant Professor, Department of Preventive Medicine and Public Health, University of Kansas School of Medicine, Kansas City, KS
07/02 - 06/10 Assistant Professor, Department of Preventive Medicine and Public Health, University of Kansas School of Medicine, Kansas City, KS
2006-Present Co-Leader, University of Kansas Cancer Center Cancer Control and Population Health Division
07/10-Present Associate Professor, Department of Preventive Medicine and Public Health, University of Kansas School of Medicine, Kansas City, KS

Honors

2000 Kansas Public Health Association Materials Contest Award, 1st Place
2001-2003 KU School of Medicine Clinical Research Curriculum Program Fellow (K30)
2001 American Society of Preventive Oncology New Investigators Award/Workshop
2004-2007 National Institutes of Health Loan Repayment Program Award Recipient
2009 Society of Behavioral Medicine Citation Abstract Award for "Mammography Facilities: The Good, The Bad, and The Ugly"
2010 Recipient of Kansas City eWomenNetwork's "Fearless Woman Award"
2010 Kansas Association for the Education of Young Children Community Service Award
2010 Kansas Public Health Association Special Service Award

2014

KU Medical Center's Institute for Community Engagement Community Partnership Award

PROFESSIONAL SOCIETY MEMBERSHIPS AND SERVICE

- 2004 National Institutes of Health/National Cancer Institute Special Emphasis Review Panel Member-Community Clinical Oncology Program & Minority-Based Community Clinical Oncology Program
- 2009-Present American Cancer Society, Cancer Control and Prevention: Health Policy and Health Services research peer review committee member
- 2012-Present American Journal of Health Behavior Journal Review Board
- 2014-Present Health Behavior and Policy Review journal Associate Editor

C. Peer-reviewed Publications

1. **Engelman KK**, Altus DE, Mathews RM. Increasing engagement in daily activities by older adults with dementia. *Journal of Applied Behavior Analysis*. 1999; 32:107-110
2. Altus DE, Mathews RM, Xaverius PK, **Engelman KK**, Nolan, BA. Evaluating an electronic monitoring system for people who wander. *American Journal of Alzheimer Disease and Other Dementias*. 2000; 15: 121-125.
3. **Engelman KK**, Ellerbeck EF, Totten B. Improving systems of preventive care via academic detailing by medical students. *Academic Medicine*. 2001 May; 76: 565-566.
4. Howard PA, Ellerbeck EF, **Engelman KK**, Dunn MI. Warfarin for stroke prevention in octogenarians with atrial fibrillation. *American Journal of Geriatric Cardiology*. 2001 May; 10: 139-144.
5. Ellerbeck EF, **Engelman KK**, Gladden J, Mosier MC, Raju GS, Ahluwalia JS. Direct observation of counseling on colorectal cancer in rural primary care practices. *Journal of General Internal Medicine*. 2001 Oct; 16: 697-700.
6. **Engelman KK**, Ellerbeck EF, Ahluwalia JS, Nazir N, Velasco A. Fecal occult blood test use by Kansas Medicare beneficiaries. *Preventive Medicine*. 2001 Dec; 33: 622-626.
7. **Engelman KK**, Hawley D, Gazaway R, Mosier MC, Ahluwalia JS, Ellerbeck EF. Impact of geographic barriers on the utilization of mammograms among older rural women. *Journal of the American Geriatrics Society*. 2002 Jan; 50: 62-68.
8. **Engelman KK**, Mathews RM, Altus DE. Restoring dressing independence in persons with Alzheimer's Disease: a pilot study. *American Journal of Alzheimer's Disease and Other Dementias*. 2002 Jan-Feb; 17(1): 37-43.
9. Altus DE, **Engelman KK**, Mathews RM. Finding a practical method to increase engagement of residents of a dementia care unit. *American Journal of Alzheimer's Disease and other Dementias*. 2002 Jul-Aug; 17(4): 245-248.
10. Altus DE, **Engelman KK**, Mathews RM. Using family style meals to increase participation and communication in persons with dementia. *Journal of Gerontological Nursing*. 2002 Sep; 28(9): 47-53.
11. Howard PA, Ellerbeck EF, **Engelman KK**, Patterson KL. The nature and frequency of potential warfarin drug interactions that increase the risk of bleeding in patients with atrial fibrillation. *Pharmacoepidemiol Drug Saf*. Oct-Nov 2002;11(7):569-576.
12. **Engelman KK**, Altus DE, Mosier MC, Mathews RM. Brief Training to Promote the Use of Least Intrusive Prompts by Nursing Assistants in a Dementia Care Unit. *Journal of Applied Behavior Analysis*. 2003; 36: 129-132.
13. Ellerbeck EF, **Engelman KK**, Williams NJ, Nazir N, Eisenbarth JL, Markello SJ. Variations in diabetes care and the influence of office systems. *American Journal of Medical Quality*. 2004 Jan-Feb; 19: 12-18.
14. Greiner A, **Engelman KK**, Hall M, Ellerbeck EF. Barriers to colorectal cancer screening in rural primary care. *Preventive Medicine* 2004 Mar; 38: 269-75.
15. **Engelman KK**, Ellerbeck EF, Mayo MS, Markello S, Ahluwalia JS. Mammography facility characteristics and repeat mammography use among Medicare beneficiaries. *Preventive Medicine*. 2004 Sep; 39: 491-497.
16. **Engelman KK**, Ellerbeck EF, Perpich D, Nazir N, McCarter K, Ahluwalia, JS. Office systems and their influence on mammography use in rural and urban primary care. *Journal of Rural Health*. 2004 Winter; 20: 36-42.
17. **Engelman KK**, Morgan AC, Ellerbeck EF. Women's satisfaction with their mammography experience: Results from a qualitative investigation. *Women & Health*. 2005; 42(4): 17-35.
18. **Engelman KK**, Perpich D, Peterson S, Hall M, Ellerbeck EF, Stanton A., Greiner KA. Cancer information needs in rural areas. *Journal of Health Communication*. 2005 Apr-May; 10(3): 199-208.
19. Greiner KA, James A, Born W, Hall S, **Engelman KK**, Okuyemi K, Ahluwalia JS. Predictors of fecal occult blood test (FOBT) completion among low-income adults. *Preventive Medicine*. 2005 Aug; 41: 476-684.
20. Moreland S, **Engelman KK**, Mayo, MS, Greiner KA. Papanicolaou Testing Among Native American and Hispanic Populations. *Ethnicity and Disease*. 2006; 16: 223-227.
21. Born W, **Engelman KK**, Greiner KA, Bhattacharya SB, Hall S, Hou Q, Ahluwalia JS. Colorectal Cancer Screening: Perceived Discrimination and Low Income and Minority Patient Trust in Doctors. *BMC: Public Health*. 2009; 9:363. PMID: PMC2761405

22. **Engelman KK**, Daley CM, Gajewski BJ, Ndikum-Moffor F, Faseru B, Braiuca S, Joseph S, Ellerbeck EF, Greiner KA. An Assessment of American Indian Women's Mammography Experiences. *BMC: Women's Health*. 2010 Dec; 10:34. PMID: PMC3018433.
23. **Engelman KK**, Cupertino AP, Daley CM, Long T, Cully A, Mayo MS, Ellerbeck EF, Geana MV, Greiner A. Engaging Diverse Underserved Communities to Bridge the Mammography Divide. *BMC: Public Health*. 2011; 11:47. PMID: PMC3036625.
24. James AS, Daley C, **Engelman KK**, Greiner KA, Ellerbeck EF. Process Evaluation of Recruitment for a Cancer Screening Trial in Primary Care. *Health Promotion Practice*. 2011; 12(5): 696-703. Epub 2011 Apr 6. PMID: PMC3319739.
25. Ramaswamy M, Kelly PJ, Koblitz A, **Engelman KK**, Understanding the Role of Violence in Incarcerated Women's Cervical Cancer Screening and History. *Women and Health*. 2011 Jul22; 51(5):423-41. PMID: 21797677 Not NIH Funded.
26. Tolma EL, Batterton C, Hamm RM, Thompson D, **Engelman KK**. American Indian Women and Screening Mammography: Findings from a Qualitative Study in Oklahoma. *American Journal of Health Education*. 2012; 43: 18-30. Not NIH Funded.
27. Greiner KA, Geana MV, Epp A, Watson A, Fillipi M, Daley CM, **Engelman KK**, James AS, Campbell M. A Computerized Intervention to Promote Colorectal Cancer Screening for Underserved Populations: Theoretical Background and Algorithm Development. *Technology and Healthcare Journal*. 2012; 20(1): 25-35. DOI 10.3233/THC-2011-0653. PMID: PMC4086405..
28. **Engelman KK**, Cizik AM, Ellerbeck EF, Rempusheski, VF. Perceptions of the Mammography Screening Experience by African American, Hispanic, and Non-Hispanic White Women. *Women's Health Issues*. 2012; 22(4): 395-401. Not NIH Funded.
29. Hui SA, **Engelman KK**, Miller C, Shireman TI, Hunt S, Ellerbeck EF. Opportunities for Cancer Prevention Using Employee Wellness Programs: The Case of Kansas State Employees. *American Journal of Health Education*. 2012; 43(4): 226-232. Not NIH Funded.
30. Mahnken JD, He J, Yeh HW, Nazir N, Jianas LL, **Engelman KK**. Survival Analysis Applied to Proportion Data: Comparing Mammography Visits in High and Low Repeat Rate Facilities. *Health Services and Outcomes Research Methodology*. 2013; 13(1); 68-83. Not NIH Funded.
31. Cupertino AP, Hunt J, Gajewski B, Jiang Y, Marquis J, Friedmann P, **Engelman KK**, Richter KP. The Tobacco Treatment Quality Index: Development of a Tool to Assess Evidence-Based Treatments in a National Sample of Drug Treatment Facilities. *Substance Abuse Treatment, Prevention, and Policy*. 2013; 8(1). PMID: PMC3704700.
32. Befort CB, Nazir NN, **Engelman KK**, Choi W. Fatalistic Cancer Beliefs and Information Sources Among Rural and Urban Adults in the USA. *J Canc Educ*. 2013; 28(3): 521-6. PMID: PMC3768251
33. Hui SA, **Engelman KK**, Shireman TI, Ellerbeck EF. Adherence to Cancer screening Guidelines and Predictors of Improvement in the Kansas State Employee Wellness Program. *Preventing Chronic Disease*. 2013; 10: 120212. PMID: PMC3711498
34. Ndikum-Moffor FM, Braiuca S, Daley CM, Gajewski BJ, **Engelman KK**. Assessment of Mammography Experiences and Satisfaction Among American Indian/Alaskan Native women. *Women's Health Issues*. 2013; 23(6): e395-402. PMID: PMC3018433.
35. Gajewski, BJ, Jiang, Y, Yeh, HW, **Engelman, K**, Teel, C, Choi, WS, Greiner, KA, Daley, CM (2014), Teaching Confirmatory Factor Analysis to Non-Statisticians: A Case Study for Estimating Reliability of Psychometric Instruments. *Case Studies in Business, Industry, and Government Statistics*, 5(2), 88-101. PMID: PMC39996839.
36. Greiner KA, Friedman DB, Adams SA, Gwede C, Cupertino P, **Engelman KK**, Meade CD, Hebert JR. (2014), Effective Recruitment Strategies and Community-Based Participatory Research: Community Networks Program Centers' Recruitment in Cancer Prevention Studies. *Cancer Epidemiology Biomarkers & Prevention*, 23: 416-423. PMID: PMC3971731.
37. Tolma EL, Stoner JA, Li J, Kim Y, **Engelman KK**. Predictors of regular mammography use among American Indian women in Oklahoma: A cross-sectional study. *BMC Women's Health*. 2014; 14: 101. PMID: PMC Journal in Process

D. Research Support

Ongoing Research Support

P20 MD004805

Daley (PI)

04/01/10-03/31/15

NIH/National Center on Minority Health & Health Disparities

Central Plains Center for American Indian Health Disparities (CPC-AIHD)

Major Goals: The overall goal of this study is the creation of the Central Plains Center for American Indian Health Disparities (CPC-AIHD), a center focused on reducing health related disparities and bringing more AI into the health professions through quality community based participatory research (CBPR) and enhanced

opportunities for AI students to enter the health professions through pipeline programs from high school through college and into graduate and medical school.

An Assessment of American Indian Women's Mammography Experiences – Sub Project

To identify and understand the mammography experiences and experiential elements that relate to satisfaction or dissatisfaction with mammography services in an AI community and to develop a culturally-tailored American Indian mammography satisfaction survey.

Role: PI on Mammography Sub Project

U54 CA154253

Greiner (PI)

09/17/10-08/31/15

NIH

Kansas Community Cancer Health Disparities Network

Major Goals: The Kansas Communities Cancer Disparities Network (KCCDN) will build on our existing CBPR research experience and alliances with community-based organizations to integrate existing cancer disparities research with service and technology networks across our state.

Engaging Diverse Underserved Communities to Bridge the Mammography Divide – Sub Project

To utilize a community-based participatory and implementation intentions-based approach to formulate intended mammography screening steps and to address potential barriers to mammography completion among American Indian and Latino women in remote Kansas communities.

Role: PI on Mammography Sub Project

KG110046

Tolma (PI)

12/05/11-12/04/14

Susan G. Komen for the Cure

Investigator Initiated Research

Promoting Regular Screening Mammography in an American Indian (AI) community in Oklahoma.

The goal of this study is to conduct a screening mammography needs and resources assessment among American Indian women in Oklahoma. The results of this preliminary assessment will be used to develop a behavioral theory and community-based participatory research-based approach to promote screening mammography use among Citizen Pottawatomie Nation women.

Role: Sub-Contractor

UL1TR000001/TR000119/TR000120

Barohn (PI)

06/01/11-02/29/16

NIH

Institutional Clinical and Translational Science Award (U54)

The major goals are to create a new academic home with training programs for clinical and translational investigators, provide an enhanced coordinated translational research infrastructure and actively engage the community in developing, testing and disseminating translational research.

Role: Key Personnel

P30 CA168524

Jensen (PI)

07/11/12-06/30/17

NIH

Cancer Center Support Grant

The University of Kansas Cancer Center is a growing matrix organization that aims to leverage unique scientific assets to build a nationally significant cancer research and treatment center that will become the leading academic institution in the world for transforming discoveries in the laboratory into new therapeutic approaches.

Role: Key Personnel

R01 CA181047

Ramaswamy (PI)

04/01/14-03/31/19

National Institute of Health

Sexual Health Empowerment for Cervical Health Literacy and Cancer Prevention

The objective of this study is to assess the effectiveness of a sexual health empowerment (SHE Project) intervention to improve cervical health knowledge, reduce barriers to screening that are related to beliefs about cervical cancer, improve self-efficacy for navigating providers and health care systems, and ultimately work towards preventing cervical cancer.

Role: Co-Investigator

G-28656 Hines (PI) 10/01/14-09/30/15
Genentech
The Role of Patient Navigation in Colorectal Cancer Survivorship
We will conduct focus groups with professional patient navigators, lay patient navigators, and colorectal cancer survivors to generate new knowledge on the needs of Midwestern CRC survivors and the potential for patient navigators to facilitate improved survivorship outcomes.

Completed Research Support

R01 CA121016 Engelman (PI) 09/01/07-07/31/13
National Institutes of Health
Implementation Intentions to Promote Colon Cancer Screening in Rural Primary Care
The objective of this study is to assess the efficacy of a novel prompting intervention based on the concept of implementation intentions to promote colorectal cancer screening among rural primary care patients.

R01 CA123245 Greiner (PI) 05/11/07-01/31/11
National Institutes of Health
Tailored Touchscreen Colorectal Cancer Prevention in Urban Core Clinics
To assess the efficacy of a novel tailored touch screen computer intervention, utilizing an "implementation intentions" approach to improving colo-rectal cancer screening in safety net clinics.
Role: Co-Investigator

RSGHP-06-078-01-CP Engelman (PI) 01/01/06-12/31/10
American Cancer Society
Development of a Comprehensive Mammography Services Quality Index
The goal of this study is to identify the organizational and service provision characteristics of mammography facilities with high repeat mammography rates and to develop a comprehensive Mammography Services Quality Index (MSQI) assessment that measures organizational climate, service provision, and quality improvement.

R21 DA020489 Richter (PI) 07/20/07-06/30/10
National Institutes of Health
Describing and Measuring Tobacco Treatment in Drug Treatment
A two-year award to increase the understanding of how substance abuse treatment programs provide smoking cessation services and to develop a valid and reliable instrument that measures smoking cessation treatments in these settings. This study involves a mix of qualitative and quantitative research to develop a brief scale that can be used in national surveys of substance abuse treatment services.
Role: Co-Investigator

R21 HS014857 Engelman (PI) 04/01/06-04/30/08
National Institutes of Health
Use of Novel Tailored Reminders in Rural Primary Care
The goal of this study was to develop brief tailored reminders for colorectal cancer screening for use in primary care. The proposed work uses tablet computers to administer health risk assessments and provide tailored feedback. The setting is rural primary care practices involved in the KPEPR Practice Based Research Network.

POP0503504 Engelman (PI) 05/01/05-04/30/07
Susan G. Komen Foundation
Population Specific Research Project
Use of A Radiolucent Pad to Reduce Mammography Discomfort Among African Americans.
The objective of this study was to assess if the use of a mammography breast plate cushion will significantly decrease the level of discomfort experienced by African American women during their mammogram exam and impact mammography screening intentions.

RSG-02-152-01-CCE Engelman (PI) 07/01/02-06/30/06
American Cancer Society
The Role of Mammography Facilities Characteristics in Mammography Service Satisfaction.
This grant examined the relationship between patient satisfaction and mammography facility characteristics.