

## **POSITION DESCRIPTION**

**For the period of TBD**

**NAME:**

**RANK:** Research Assistant Professor

**DEPARTMENT:** Population Science and Policy

The Department of Population Science and Policy (PSP) is an interdisciplinary department at Southern Illinois University School of Medicine (SIU SOM). The Department works to understand the challenges of people in central and southern Illinois and provides innovative, sustainable solutions to improve health in rural and underserved communities.

The Department is divided into three divisions working together to improve health outcomes: Human and Community Development, Epidemiology and Biostatistics, and Health System Science. Human and Community Development focuses on a community-based participatory approach, mixed methods research, and implementation science to address the health needs of communities. Epidemiology and Biostatistics is a more traditional, hypothesis-driven division which collects, examines, and analyzes quantitative data concerning health outcomes. Health System Science focuses on forming and analyzing policy recommendations around health disparities in Illinois. All three divisions work with PSP's education team to create a population science and policy curriculum to educate a new generation of physicians to practice through the lens of population health.

The Department's ultimate goal is engaging communities, providing opportunities for improving health equity and creating sustainable solutions for residents in central and southern Illinois. Learn more at [www.siumed.edu/popscipolicy](http://www.siumed.edu/popscipolicy).

### **POSITION FUNCTION**

This is a faculty position dedicated to providing research, service, and teaching to advance the mission and goals of PSP. The candidate will be expected to develop and pursue a portfolio of externally funded research complementary to PSP high priority areas, e.g. community health, opioids, sexually transmitted infections, design and implementation science. The successful candidate will demonstrate use of various research techniques (may include but is not limited to case study, ethnography, naturalistic observation, survey design, and/or statistical data collection techniques). The overall emphasis will be on collaborating with partners and communities to better understand health disparities within our service region. This position requires expertise in community building and population-based research studies with the aim of improving health outcomes in central and southern Illinois.

### **ORGANIZATIONAL RELATIONSHIP**

The Research Assistant Professor reports directly to the Chief of their assigned Division, who reports to the Chair of the Department of Population Science and Policy, who reports directly to the Dean and Provost, SIU School of Medicine and the CEO, SIU Medicine.

## CHARACTERISTIC DUTIES AND RESPONSIBILITIES

The following information is intended to be representative of the work performed by incumbent in this position and is not all-inclusive. The omission of the specific duty or responsibility will not preclude it from the position if the work is similar, related, or a logical extension of position responsibilities.

### TIME COMMITMENT

#### I. Research

**40%**

- A. Develops, pursues and maintains a portfolio of externally funded research and non-research (community-based, social service, etc.) projects complementary to PSP priority areas. Writes reports and assists in writing manuscripts for peer-reviewed professional journals. Delivers presentations to the Department and at various local, regional, national and international scientific and/or academic conferences.
- B. Collaborates with other SOM Departments for research development and implementation.
- C. Expands PSP community development, social innovation, research and education opportunities, synergies and collaborations with the goal of improving health in the region.
- D. Manages a portfolio of projects that integrate a focus on social determinants of health (SDOH) with pathways to link SDOH interventions to innovations in medical education, the delivery of clinical care, physician (practice transformation) and patient satisfaction, and improved population health outcomes.
- E. Creates and implements a research agenda that focuses on community building and human development that aligns with the PSP mission.
- F. Reviews grant funding opportunity announcements, assesses feasibility of project success and available support. Prepares and develops grant proposal submissions and contract proposal content, budgets, personnel plans.
- G. Provides support for study design, implementation, and analyses of investigations, studies, or screening programs that assists with epidemiological and research directions for PSP.
- H. Collaborates closely with community members within our service region, facilitates listening sessions, conducts literature reviews, and develops study designs that meet the needs of the project (open to integrating a variety of methods).
- I. Develops protocols and proposals for study methodology and data analyses. Additionally, writes the interpretation of data findings in the context of ongoing research objectives.
- J. Provides guidance and insight for new study ideas and long-term goals and objectives relevant to PSP initiatives.
- K. Reviews and remains current in literature and subject matters involving community innovation, research methodology, epidemiology, opioids, children's health, human development and social entrepreneurship.
- L. Manages numerous research projects simultaneously. Collaborates with other members of PSP and SOM to conduct scientific research projects.
- M. Shares ongoing research and education around PSP within and beyond the SOM.

## **II. Teaching**

**10%**

- A. Provides instruction, resource sessions and course content that furthers the longitudinal PSP and public health curriculum.
- B. Mentors and instructs other personnel (i.e., faculty researchers, technicians, residents, medical students, nurses, data entry personnel, statisticians, etc.) in public and population health, human and community development and/or research methods.
- C. Responsible for teaching electives that illustrate and address PSP themes.
- D. Provides learning opportunities for medical and graduate student education at SIU SOM in areas of expertise using experiential teaching techniques (e.g. case-based learning, problem-based learning, interactive lectures, small group learning, and project based learning).

## **III. Service**

**50%**

- A. Responsible for leading community-driven projects identifying, addressing and advancing the health of the service region, including leading a team to perform research, community assessments, design and implement programs, and evaluating their success.
- B. Leads and develops initiatives to inform programmatic and policy strategies and priorities that impact SDOH. Collaborates closely with community members within our service region, facilitates listening sessions, conducts literature reviews, and develops study designs that meet the needs of the community-driven projects.
- C. Membership on departmental, medical school, and university committees as appropriate. Shares insight on epidemiology, population science, or health services as it relates to improving the priority areas of PSP for our students, residents, patients, faculty members, and staff.
- D. Participates in activities of relevant professional societies, boards, or research interest groups that foster state, national, and international recognition for PSP and SOM.
- E. Demonstrates, by actions, commitment to the mission and the behavioral standards of SIU School of Medicine. Provides excellent service to both internal and external customers through collaboration and partnership; compassion and respect; integrity and accountability; diversity and inclusion; as well as continuous learning and improvement.

## **MINIMUM QUALIFICATIONS**

- MD/DO, PhD or DrPH with post-doctoral training in epidemiology, health services research or related.
- Demonstrated emphasis and expertise in community health research, epidemiology research or closely complementary field.
- Sensitive to the needs of underrepresented minority populations.
- Evidence of research capabilities demonstrated by publications in peer-reviewed specialty journals.
- Excellent verbal and written communication skills.

## **DESIRABLE QUALIFICATIONS**

- Demonstrable experience in epidemiological or community based participatory research and its effect on improving the health of children, families, and/or communities.
- Record of methodological contributions to peer-reviewed articles.
- High level of experience working collaboratively with diverse groups around difficult, complex topics.
- Proficient in multiple methods of data collection and analysis, as well as an understanding of the qualitative and quantitative approaches to measuring and improving the health of children, families, and/or communities.
- Experience using quantitative and/or qualitative software (e.g. SAS, Max QDA, SPSS).
- Experience with state of the art methods for analyzing clinical trials is highly desirable.
- A proven track record of working effectively on teams inclusive of diverse individuals with varying research experience and backgrounds.

## **WORKING CONDITIONS/PHYSICAL DEMANDS**

See attached Physical and Environmental Requirements form.

## **ENVIRONMENTAL, HEALTH AND SAFETY RESPONSIBILITIES**

Participate in meetings, training and other environmental, health and safety activities as required by SIU School of Medicine.

## **AUTHORITY AND RESPONSIBILITY**

This position does not have authority for personnel hiring, termination or salary determinations, or disciplinary actions; and has no inherent budget authority. The individual will need to seek fiscal officer approval as needed for purchases, travel, etc. This individual will work independently with a high degree of skill to perform position.

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Date

Research Assistant Professor  
Department of Population Science and Policy

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Wiley Jenkins, PhD, MPH, FACE                      Date  
Research Professor and Chair (interim)  
Department of Population Science and Policy

# PHYSICAL AND ENVIRONMENTAL REQUIREMENTS

SIU SCHOOL OF MEDICINE

Incumbent: \_\_\_\_\_ Classification: **Research Assistant Professor**

Position No. (If applicable): \_\_\_\_\_ Department: **Population Science and Policy-SMS**

**WORK ENVIRONMENT: (Check all applicable environments)**

<input checked="" type="checkbox"/> <b>Office</b>	<input type="checkbox"/> <b>Hospital</b>
<input type="checkbox"/> <b>Clinic</b>	<input type="checkbox"/> <b>Warehouse</b>
<input type="checkbox"/> <b>Research Laboratory</b>	<input type="checkbox"/> <b>Outdoors</b>
<input type="checkbox"/> <b>Other (Be Specific):</b> _____	

PHYSICAL DEMANDS:	Seldom	Occasionally	Frequently	Constantly	N/A
(Indicate frequency of activity during performance of position duties)	(Performed rarely less than 2% of the time)	(Performed less than 25% of the time)	(Performed 26% to 50% of the time)	(Performed 51% or most of the time)	

(Click on the Physical Demands Definitions button at the bottom of the form for a list of physical demands definitions)

Reading	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Writing	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Speaking	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Close visual acuity	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Travel	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Hearing - Conversation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Hearing - Other Sounds	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Stooping	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Squatting	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Gross hand manipulation	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Fine hand manipulation	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Working in dust, fumes, gases, or irritants	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Working at heights	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Working in extreme cold, heat and/or humidity	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Working in close quarters	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Climbing	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Operating motor vehicles	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Sitting	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Standing	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Walking	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Working above shoulder level	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Twisting	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Kneeling	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Pushing or pulling	10 - 20 lbs.				<input type="radio"/>
Carrying	10 - 20 lbs.				<input type="radio"/>
Lifting	10 - 20 lbs.				<input type="radio"/>
Other (Please list): _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

I affirm the environmental and physical demands listed on this form are an accurate reflection of the requirements of this position to the best of my knowledge and belief.

I have read, understand and am capable of meeting the physical and environmental demands of this position.

\_\_\_\_\_  
Supervisor Signature                                      Date                                      Supervisor Name                                      Employee Signature                                      Date