

2020 Spectrum Pilot Grants for Population Health Sciences

CENTER FOR POPULATION HEALTH SCIENCES
INFORMATION SESSION

October 2, 2020

Agenda

1. Introduction to PHS
2. Overview of the 2020 Request for Proposal
3. PHS Research Resources
4. Q&A

PHS Mission

To improve the health of populations by bringing together diverse disciplines and data to understand and address social, environmental, behavioral, and biological factors on both a domestic and global scale.

What Is Population Health?

Population health is a relatively new term that has not yet been precisely defined. Is it a concept of health or a field of study of health determinants?

We propose that the definition be “the health outcomes of a group of individuals, including the distribution of such outcomes within the group,” and we argue that the field of population health includes health outcomes, patterns of health determinants, and poli-

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approach is “an increased focus on health outcomes (as opposed to inputs, processes, and products) and on determining the degree of change that can actually be attributed to our work.”^(p11)

David Kindig, MD, PhD, and Greg Stoddart, PhD

ALTHOUGH THE TERM

“population health” has been much more commonly used in Canada than in the United States, a precise definition has not been agreed upon even in Canada, where the concept it denotes has gained some prominence. Probably the most influential contribution to the development of the

that in Canada and the United Kingdom in the 1990s has taken on the core of a “conceptual framework” thinking about why populations are healthier than others as well as the policy development, research agenda, and resource allocation that flow from this framework.”^{3(p4)}

a “conceptual framework for thinking about why some populations are healthier than others as well as the policy development, research agenda, and resource allocation that flow from this framework.”^{3(p4)}

March 2003, Vol 93, No. 3 | American Journal of Public Health

2020 Population Health Sciences Pilot Grants

Two types of grants:

- ❖ Early career (doctoral students, postdoctoral scholars) pilot grants up to \$20,000
- ❖ Faculty pilot grants up to \$40,000

Requirements:

- ✓ Completed within timeline: Dec 1, 2020-Nov 30, 2021
- ✓ Multidisciplinary; spanning across Stanford schools
- ✓ PI must be Stanford affiliate
- ✓ Projects must be US-based

Evaluation Criteria

- ✓ *Potential impact*
- ✓ *Social inequality focus*
- ✓ *Methodological rigor*
- ✓ *Scope & budget*
- ✓ *Contribution to investigator training in population health research.*
- ✓ *Potential to lead to longer-term projects*

PHS Datasets

Datasets	Description
Born in Bradford	<ul style="list-style-type: none">• Prospective pregnancy and birth cohort• Low income multi-ethnic population in the UK• Biologic and anthropometric, survey, environmental and administrative data• 13,500 children and mothers (~3,000 fathers)• Biobank includes 250,000 samples of maternal blood, DNA and urine.• ~25% of South Asian (90% Pakistani); 64% is White British
Optum	<ul style="list-style-type: none">• National sample of commercially insured individuals.• 72M people; 17-year span• De-identified commercial claims (single insurance provider)• Medical and pharmacy claims w/ enrollment• Data are geographically diverse across the US and fairly representative of the US population and includes ages from birth to over 100.• Race/ethnicity and financial resource information ~80 percent of cohort• Data overlay with five-digit zip code or time variables

PHS Datasets

Datasets	Description
Census (IPUMS)	<ul style="list-style-type: none">• Historic US Census data from 650 million individual-level and 7.5 million households• Individual and household level characteristics linkable by name/address.• Demographic, economic, migration and family variables• Possible to map family relationships within households and follow longitudinally• Unique source for social and economic change.
CMS 20%	<ul style="list-style-type: none">• ~11 million people; 20% of Medicare population• Payment claims• Detailed demographic and socioeconomic data• 2006 – 2015 (2017 – 2018 by end of year)

For More Information on PHS Datasets

- [Detailed description of PHS Datasets](#)
- [Apply for PHS Data](#)
- [PHS Data Portal](#)
- [PHS Data User Slack Channel](#)
- [Nero Computational Environment](#)

Additional PHS Research Resources

- **Data** – facilitate access to large, well-curated population-level datasets
- **Funding** – help identify and secure awards for follow on projects
- **Match-Making** – support the connection of ideas, people, and resources inside and outside of Stanford
- **Community Engagement** – provide technical assistance and online tools for community engaged research
- **Research Management** – spearhead and manage research initiatives
- **Dissemination** – ensure research outputs are tailored for and accessible to target audience

Q&A

APPLICATION DEADLINE

11:59PM PDT | FRIDAY, OCTOBER 16, 2020

Link to apply: https://stanfordmedicine.qualtrics.com/jfe/form/SV_9t6ntopCnCfkzBz

Questions: Contact Dr. Lesley Sept slesley1@stanford.edu