2022 Community Impact Research Grants in Cancer Health Equity

Information Session

August 31, 2022
Agenda

1. Introductions
2. Overview of the 2022 Request for Proposals
3. Requirements & Eligibility
4. Funding & Application Timeline
5. PHS Data & Research Resources
6. Q&A
2022 Community Impact Research Grants

Two tracks to which applicants can apply:

- **Track 1** – Community-Driven Cancer Equity Grand Challenge
  - Funding period 2 years and up to $100,000
- **Track 2** – Cancer Health Equity Seed Grants
  - Funding period 1 year and up to $40,000
Track 1 – Community-Driven Cancer Equity Grand Challenge

- San Joaquin is a vibrant, diverse community & a critical agricultural producer to the nation

- San Joaquin Valley Public Health Consortium (SJVPH), which includes 11 public health jurisdictions, seeks to understand & address the impact of climate change on cancer disparities

- SJVPH seeks to learn:
  - How wildfires and resulting air quality affect cancer prevention and control, particularly among front line workers and vulnerable populations in the SJV
  - What strategies can be used to reduce these risks & improve equity
Track 2 – Cancer Health Equity Seed Grants

- Seeking proposals focused on understanding and reducing cancer disparities among underserved populations in California
- Not limited to a specific topic, cancer type, or study design
- Preference given to proposals that focus on counties served by SCI and/or the following priority areas:
  - Understanding and addressing structural and institutional factors that drive cancer disparities in persistent poverty areas
  - Promoting cancer equity in the San Joaquin Valley Region
  - Leveraging real-world data to reduce cancer disparities in California
Evaluation Criteria

✓ Potential impact
✓ Social Cancer health equity focus
✓ Community Engagement
✓ Methods
✓ Scope & budget
✓ Contribution to investigator training
✓ Potential to lead to longer-term projects
✓ Applications under **Grand Challenge** will also be evaluated based on how well the proposed research meets the needs and interests of the San Joaquin Valley Public Health Consortium
Requirements & Eligibility

✓ All tracks in the RFP are open to faculty and early career applicants (PhD students, postdoctoral scholars)

✓ All projects must have a Stanford faculty member (who is PI eligible) listed as the PI. Early career applicants can be listed as Co-PI.*

*Clinical Educator (CE) faculty, clinical instructors, graduate students, and postdoctoral scholars (clinical and non-clinical) are encouraged to apply and are required to include a PI eligible faculty member as lead PI on the application. CE faculty can also apply for a PI waiver.
Funding & Timeline

- Deadline Application: October 14, 2022 | 5:00pm PDT
- Award Notifications: December 9, 2022
- Award start date: March 1, 2023
- Applicants encouraged to apply for less than the maximum amount

<table>
<thead>
<tr>
<th>Award Type</th>
<th>Funding cycle</th>
<th>Funding Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Track 1- Community-Driven Cancer Equity Grand Challenge</td>
<td>2 years</td>
<td>Up to $100,000</td>
</tr>
<tr>
<td>Track 2 – Cancer Health Equity Seed Grants</td>
<td>1 year</td>
<td>Up to $40,000</td>
</tr>
</tbody>
</table>
Individual Survey, COVID-19 beliefs, Medications, Zip5 PM2.5, Income (paychecks), Moves (housing insecure), Food purchases, CPS encounters, Gene Expression, Phone usage, Browsing history, Social media, Supportive Services

Framework for Data Utility and Value: Large, Longitudinal and Linkable

Take proactive action

Automate a tedious task

Slide credit: Nigam Shah
Stanford Secure Data Ecosystem

Goal: Combine disparate datasets together to answer population health questions

Strategic Priorities: ✔ Data Governance ✔ Data Management ✔ Infrastructure ✔ Incentives ✔ Capacity Building

- **Secure Cloud Storage**
  - Capable of storage for data of many sizes and types

- **Data Discovery & Access**
  - Host metadata, at a minimum
  - Manage access

- **Compute platforms**
  - Flexible depending on risk-profile, data type, analysis and budget

- **Reproducibility and Knowledge Sharing**
  - Academic websites, Github, etc.

1. Explore metadata; Frequency counts
2. Complete access requirements, as needed

1. Generate analytical datasets (link data, apply research criteria and filters)
2. Perform analyses
3. Generate statistical and machine learning models

1. Share findings
2. Share code and methods
3. Share data

Stanford affiliated user

High risk
<table>
<thead>
<tr>
<th>Dataset</th>
<th>Dataset Type</th>
<th>Population</th>
<th>Smallest Geo Unit</th>
<th>Sample Size</th>
<th>Date Range</th>
<th>Strengths</th>
</tr>
</thead>
<tbody>
<tr>
<td>American Family Cohort (AFC)</td>
<td>EMR - Primary Care</td>
<td>United States</td>
<td>Census Block</td>
<td>6.6 million</td>
<td>2010 - 2020</td>
<td>Linkable by individual</td>
</tr>
<tr>
<td>MarketScan</td>
<td>Claims - Commercially Insured</td>
<td>United States</td>
<td>3 Digit Zip</td>
<td>140 million</td>
<td>2006 - 2017</td>
<td>Prices, variability in insurance type</td>
</tr>
<tr>
<td>Medicare 20% Sample</td>
<td>Claims - Medicare</td>
<td>United States</td>
<td>9 digit zip</td>
<td>11 million</td>
<td>2006 - 2018</td>
<td>Representative of Americans over 65, rich, longitudinal.</td>
</tr>
<tr>
<td>Medicaid 100%</td>
<td>Claims – Medicaid</td>
<td>United States</td>
<td>9 digit zip</td>
<td>Over 100 million</td>
<td>2011 – 2019</td>
<td>Representative of Americans enrolled in Medicaid</td>
</tr>
<tr>
<td>SEER and CA Cancer Registry – CMS linked data</td>
<td>SEER and CA Cancer Registry will do linkages w/ CMS</td>
<td>United States</td>
<td>5 digit zip</td>
<td>Varies</td>
<td>Varies</td>
<td>Linked dx/treatment data.</td>
</tr>
<tr>
<td>Harvard Hyperlocal Air Quality Data*</td>
<td>Environmental data</td>
<td>United States</td>
<td>50 m²</td>
<td>987 motoring sites</td>
<td>2000 - 2019</td>
<td>Linked dx/treatment data.</td>
</tr>
</tbody>
</table>

* [https://www.researchsquare.com/article/rs-1745433/v1](https://www.researchsquare.com/article/rs-1745433/v1)
Q&A

Link to apply
seedfunding.stanford.edu/opportunities/2022-communityimpactsresearchgrants
Questions?

Contact: Lesley Sept, PHS Executive Director
stanpophealth@stanford.edu

Application Deadline
5:00 PM PDT | Friday, October 14, 2022

Link to apply
seedfunding.stanford.edu/opportunities/2022-communityimpactsresearchgrants