

Planning Grants for NCD Regional Centers for Research Excellence RFA CA15-007

**Webinar
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Center for Global Health
National Cancer Institute
National Institutes of Health

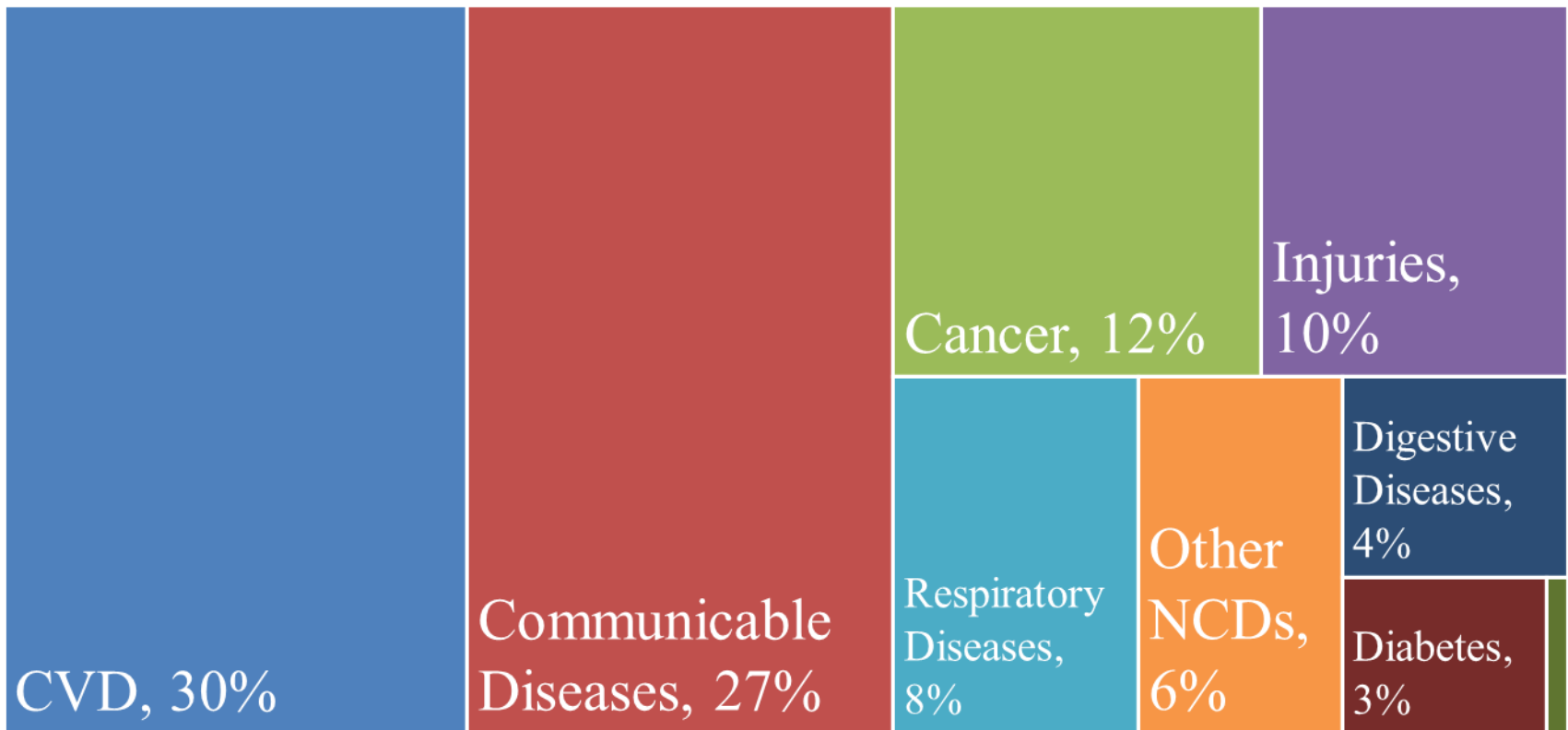
Long-Term Goals of NCD RCRE Program

1. Strengthen commitment of LMIC countries to public health research and implementation
2. Build evidence base for NCD prevention and control in LMICs
3. Strengthen multidisciplinary research across NCDs
4. Facilitate individual research projects through use of Regional Research Cores
5. Build global health career track for investigators focused on NCDs

NCI's RCRE Program: the Big Blueprint

1. Plan (P20; 2 years)
2. Build (U54; 5-10 years)
3. Research (RPG 5-10 years)
4. Fully transfer sustainability to LMIC in-country investigators (P20; 2 years)

The Most Common Diseases Affecting People Living in LMICs

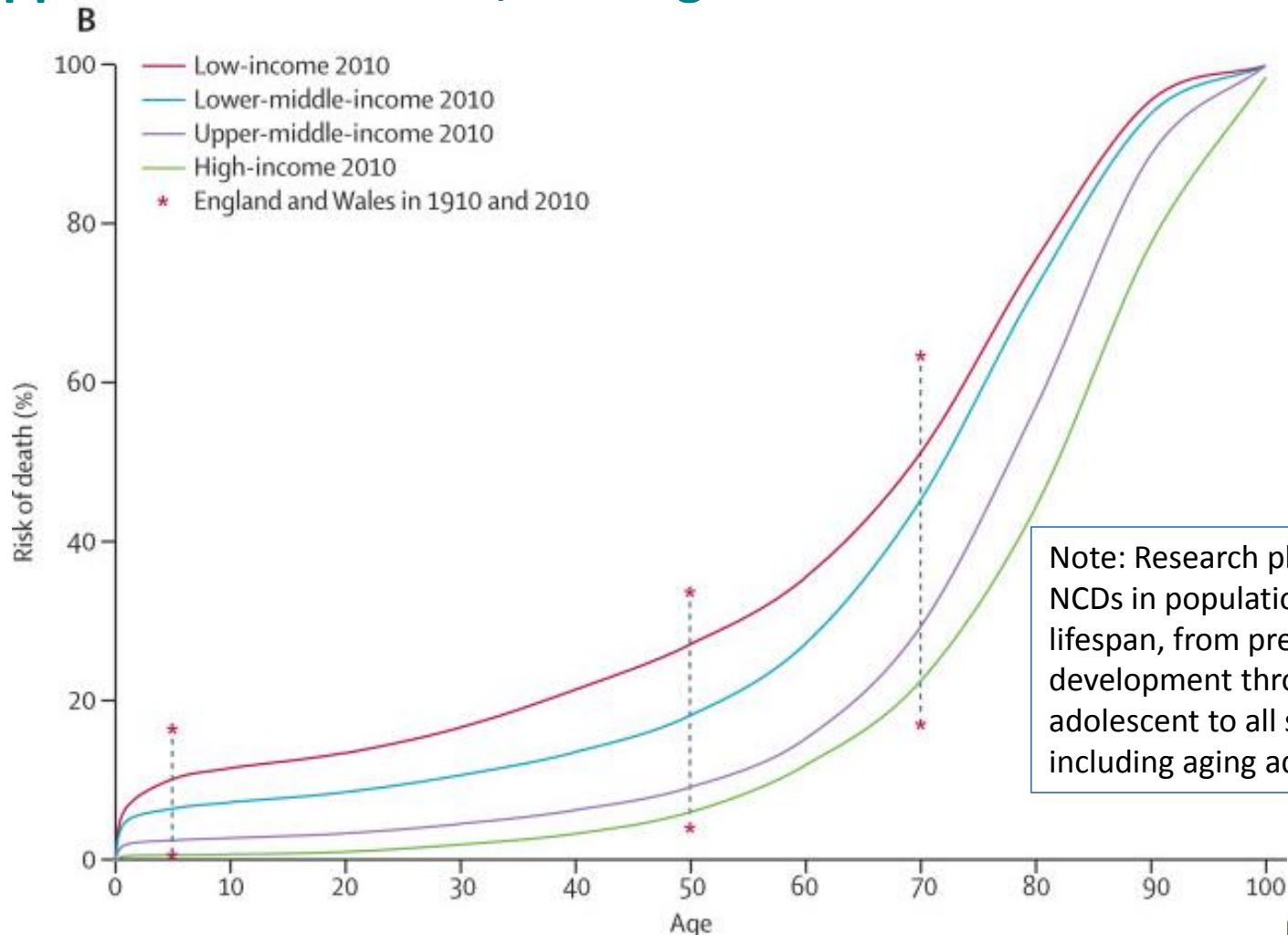


Common Risk Factors for NCDs

1. Tobacco use
2. Physical inactivity
3. Unhealthy diet
4. Harmful use of alcohol
5. Environmental factors
 - a. Outdoor air pollution
 - b. Indoor air pollution



Risk of death versus age for low-income, lower-middle-income, upper-middle-income, and high-income countries in 2010



Note: Research plans can focus on NCDs in populations across the lifespan, from pregnancy/fetal development through childhood and adolescent to all stages of adulthood including aging adults.

Purpose and Strategy of the P20 NCD Centers of Research Excellence (P20), [RFA CA15-007](#)

Purpose:

To support the planning and design of NCD-focused, research centers of excellence in low- and middle income countries

Strategy:

1. Develop a hypothesis-driven research plan that specifies the short-, mid- and long-term outcomes for the two NCD research programs;
2. Create a well-justified plan for consolidating existing or opening new shared core facilities;
3. Complete a local needs assessment; and
4. Incorporate concrete metrics for monitoring and evaluating the quality, value, and scientific impact of the RCRE on the region

P20 RCRE Planning Grant: 3 Sections; 6 pg each **Overall; Coordinating Unit; Planning Unit**

1. *Relationship between the RCRE and existing research, research enhancement activities, and shared core facilities*

How well has the applicant developed creative collaborations to improve utilization of existing resources?

2. *Description of the Center*

How will the institutional support contribute to the success of the RCRE planning grant?

3. *RCRE Leadership*

How will the roles, responsibilities, and division of meet the stated goals of the RCRE planning grant?

4. *Timeline and Milestones*

How reasonable and feasible are the proposed planning activities?

P20 RCRE Planning Grant: 3 Sections; 6 pg each Overall; Coordinating Unit; Planning Unit

Coordinating Unit

1. *Needs Assessment and Community Engagement*

Does the proposed RCRE sufficiently meet the challenges and gaps posed by the LMIC environment?

2. *Evaluation – measure impact*

3. *Organization and general operation of the Coordinating Unit and the Center*



P20 RCRE Planning Grant: 3 Sections; 6 pg each Overall; Coordinating Unit; Planning Unit

Planning Unit

1. *Research Activities (2 NCD-focused research programs)*
 - a. Does the planning involve innovative ideas of developing a RCRE that is unique in its mission, approach, and delivery?
 - b. How does the proposed RCRE framework serve the research needs of the region?
2. *Research Enhancement Activities (Training and Education; non-degree)*
3. *Research Shared Core Facilities*

Example Proposed Research Programs

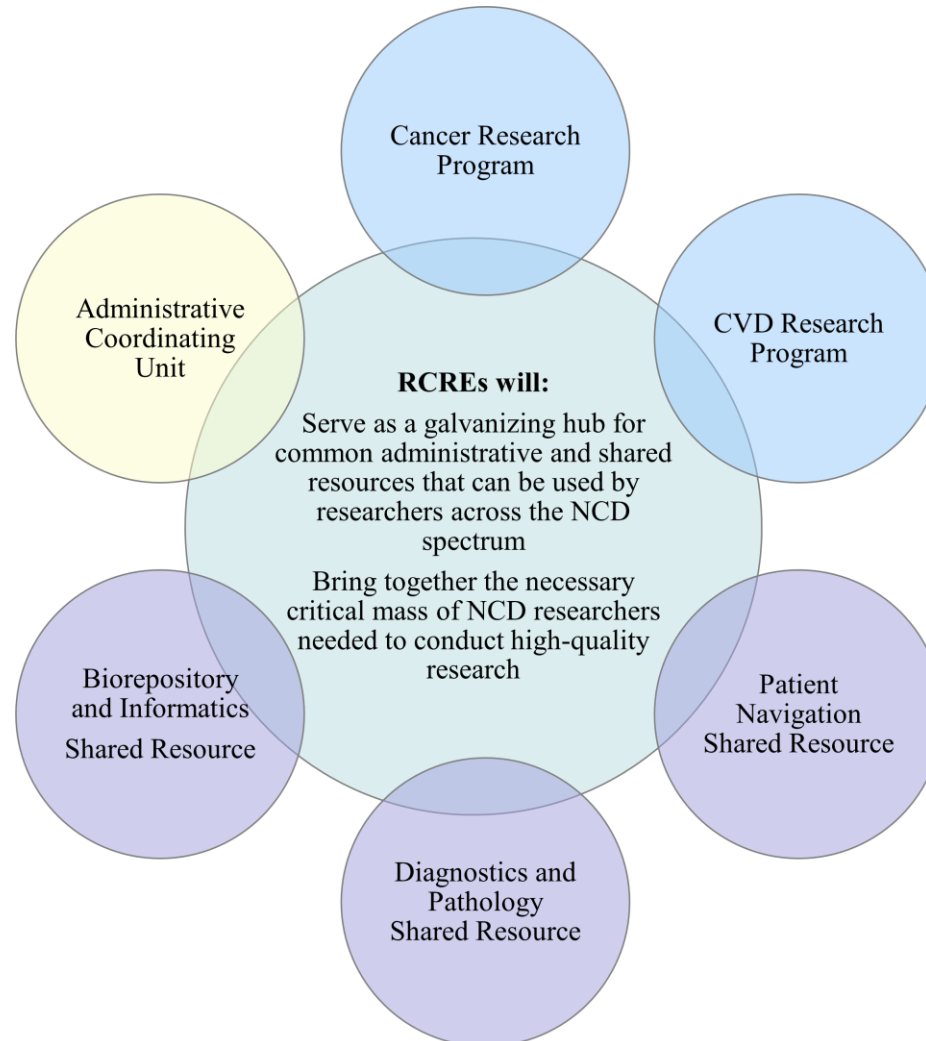
1. To establish a large population-based cohort study to examine the influence of westernization on NCDs
2. To strengthen data for breast cancer, hypertension, and road-traffic accident trauma research
3. To establish a regional research resource for cancer pathology and trauma surgery
4. To pool existing expertise, resources and infrastructure to build sustainable cancer and diabetes research programs
5. To investigate the determinants of women's cancers and CVD to lead to better informed policies and care

Example Proposed Shared Core Facilities

1. Biospecimen Processing and Biorepository Core
2. Bioinformatics and Biostatistics Core
3. Study Design, Analysis, and Dissemination Core
4. Population Survey and Data Collection Core



Possible Structure for an NCD RCRE



Questions and Thank you



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