Tackling Reproductive, Maternal, Newborn and Child health in Global Health

June , 2016

Ken Simiyu, PhD – Program Officer
Vision and Mission


Saving and improving lives in low- and lower-middle-income countries through Integrated Innovation
Overview - GCC

**Bold Ideas. Big Impact. A Better World.**

- Area of focus is global health
- Funded by Government of Canada
- Funds innovators from developing countries and Canada
- Encourages *Integrated Innovation*

Joseph L. Rotman (top left); Peter A. Singer and the Honourable James Flaherty (bottom right) at the *Launch of Grand Challenges Canada on May 3, 2010*
Integrated Innovation

INTEGRATED INNOVATION

Social Innovation

Business Innovation

Scientific/Technological Innovation
Grand Challenges in Global Health

Stars in Global Health

Saving brains

Saving lives at Birth

Global Mental health
Portfolios

Saving Lives at Birth
Saving Brains
Global Mental Health
Stars in Global Health

Seed
Transition to Scale
Scaling

Global Health Investment Fund

Grand Challenges Canada®
Grands Défis Canada

BOLD IDEAS WITH BIG IMPACT®
Stars in Global Health

- 476 Proof of concept grants have been awarded since 2011
- 7 rounds
- Average 800 applications per round- 25 % success rate
Stars Pipeline: Primary Country of Innovator

37 countries (Round 1 to 7 – 476)
Stars Pipeline: Primary Country of Implementation

81 countries (Round 1 to 7 – 476)
Stars in Reproductive, Maternal, Newborn and Child health

Grants of up to $100,000 CAD will be awarded.

Subsequent grants of up to $1 Million CAD.

Deadline to apply: July 19, 2016 @ 15:00 ET
Program Scope

Reproductive, Maternal, Newborn and Child health, including those that will yield positive early childhood experiences that contribute to the health and well-being of all children around the world.

Pathways:

- improving use of essential health services.
- reducing burden of infectious diseases that disproportionately affect pregnant women and young children, including through improving access to safe drinking water and adequate sanitation.
- improving nutrition.
- promoting healthy child development.
Target Beneficiaries

Beneficiaries must be

- Women and girls of reproductive age
- Newborns
- Children under five years old

Area of special interest

- Fragile states-Humanitarian settings
- Family planning
What we are looking for

- Service delivery
- Diagnostics delivery
- Medical devices development and/or delivery
- Vaccines delivery
- Insecticides
- Health associated products to facilitate service delivery e.g. ICT, devices etc
- Medical/health worker education programs, behavior change,
- Water and sanitation
- Health-related agriculture e.g. food processing, nutrition
- Business models of delivering health, insurance, franchise
- Policy, regulation
- Social change, cultural intervention
- Health system strengthening
- Etc.
Eligibility

- Any for profit, non-profit, university, research institution eligible
- All Canadians **MUST** have a collaborator in an eligible country
- Canadians can find collaborators on the global health LinkedIn site
- **Global Health Innovation**
Application website: www.grandchallenges.ca

Short application and 2 minute video. Main Questions:

1. **Boldness, Creativity and Integrated Innovation.**
   Describe the problem quantitatively, explain your bold idea and how it integrates integrated innovation

2. **Technical Merit/Project Execution Plan**
   What is the intended proof of concept? How and where will you execute your project? Include methodology, and new technologies, models / approaches or policies to be developed.

3. **Expected Health Outcomes And Outputs** All data should be disaggregated by sex

4. **Scale and Sustainability** what is the long-term market or public health channel for your Bold Idea

5. **The Project Lead and Team**

6. **Environmental Sustainability, Gender Equality, and Good Governance**
EVALUATION CRITERIA

• Impact (18 %)

• Integrated Innovation (18 %)

• Scale and sustainability (18 %)

• Project lead and team (18 %)

• Technical Merit/Execution Plan (18 %)

• Transformative (10 %)
**RELEVANT INDICATORS**

**INDICATORS RELEVANT TO THE STARS IN RMNCH REQUEST FOR PROPOSALS**

Innovators are expected to report against any indicators listed below that are relevant to demonstrating success of their innovation.

<table>
<thead>
<tr>
<th>Outcomes</th>
<th>Potential Indicators</th>
</tr>
</thead>
</table>
| Improve the use of essential health and development services              | Number of women, newborns and/or children under five using essential health and development services, including but not limited to any of the following:  
  a. Comprehensive family planning  
  b. Antenatal care  
  c. Skilled attendant at birth  
  d. Early postnatal visit  
  e. Thermal/newborn care  
  f. Responsive parenting approaches.  
  g. Early childhood development services                                    |
| Reduce the burden of illness and disease                                 | Number of women, newborns and/or children under five using essential health services related to infectious diseases, including but not limited to any of the following:  
  a. Immunization  
  b. Preventative measures for infectious diseases  
  c. Use of appropriate care or treatment for infectious diseases  
  d. Use of improved drinking water and/or improved sanitation facilities.  |
| Improve nutrition                                                       | Number of women, newborns and/or children under five using appropriate nutritional practices and/or supplementation, including but not limited to any of the following:  
  a. Nutritional support during pregnancy  
  b. Early initiation of breastfeeding  
  c. Exclusive breastfeeding  
  d. Appropriate feeding practices or nutritional support for children       |
The Problem

1 in 3 children (200 million globally)

fail to reach their full physical, cognitive, psychological and/or socioemotional potential due to poverty, poor health and nutrition, insufficient care and stimulation, and other risk factors to early childhood development\(^1\)

Enabling ECD in the three first years of life, “has rates of return of 7-10% across the life course through better education, health, sociability, economic outcomes and reduced crime”

The Global Strategy expects returns of “at least US$100 billion in demographic dividends from investments in early childhood and adolescent health and development”.

\(^1\) Global Strategy for Women's, Children's, and Adolescents' Health (2015)
The Challenge

Develop and scale up products, services and policies that protect and nurture early brain development in an equitable and sustainable manner.

- **Promote health and nutrition**
  - Nutrition
  - Healthy pregnancy & birth
  - Infection prevention & management
  - Toxin-free environment

- **Provide nurturing and early learning**
  - Caregiver wellbeing
  - Parenting practices
  - Play & stimulation

- **Protect against maltreatment**
  - Violence, exploitation and abuse prevention
  - Mitigation of impact
Saving Brains Demographics: Implementation Countries

Includes Saving Brains and aligned Stars and TTS projects. Includes terminated Project.
In The Pipeline

Kidogo – Sustaining Quality
Building best-practice ECD centers and partnering with local baby-care micro-franchises to provide high-quality, community-based childcare in East Africa’s urban slums. Kidogo is currently testing its model, curriculum and micro-franchising “business-in-a-box” as well as evaluating its impact on children and their families.

TNH Digital Health – Mobile Scaling
Using interactive dialog SMS technology to improve parent knowledge and management of child health and development. TNH is currently testing the adherence and engagement of the mothers to the messages as well as evaluating the impact on child health and development.
Dr. Mike: Saving Brains

71,000 YouTube views in 1 year
https://www.youtube.com/watch?v=vw0TkwjjpZU
Saving Brains

Grants of up to $250,000 CAD will be awarded.

Subsequent grants of up to $1 Million CAD.

Deadline: July 29, 2016 @ 15:00 ET
Projects should target major risks to early brain and child development that would be relevant to the target population (children in the first 1000 days of life).

- Child neglect, abuse or maltreatment
- Exposure to contaminants/pollutants
- Inadequate stimulation and/or learning
- Inadequate socialization and/or interaction
- Infection
- Malnutrition
- Maternal mental health conditions
- Neonatal insults and conditions compromising newborn health
- Pregnancy complications
- Sensory impairments
- Toxic stress

*See the Request For Proposals for areas of particular interest to Saving Brains.*
Project types could include:

- Products, including diagnostics, drugs, medical devices/equipment, Information and communication technologies;
- Services, including education or training programs and service, delivery systems; and
- Implementation models, including financial or business models, policies and social enterprises.
Evaluation Criteria

- Impact
- Integrated Innovation
- Project execution plan
- Leadership capability to champion change
- Value for effort
For more information, please contact:

savingbrains@grandchallenges.ca
savingbrainsinnovation.net