



Global Health: Trends and Relevance to N.C.

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Doris J. Rouse, Ph.D.


Vice President, Global Health Division



RTI International is a trade name of Research Triangle Institute.

www.rti.org

Overview

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- Global Health Relevance to North Carolina
 - North Carolina Initiatives in Global Health
 - Issues & Trends in Global Health

Global Health Definition

Global Health is:

"... the area of study, research and practice that places a priority on improving health and achieving equity in health for all people worldwide"

Koplan JP, Bond TC, Merson MH, et al. (June 2009). "Towards a common definition of global health". *Lancet* 373 (9679): 1993-5



Global Health in North Carolina



Economic Impact of Global Health in N.C.

- Duke University 2010 study to assess global health impact on N.C.'s economy (based on 2007 data)
- 3 sectors in study
 - **Non-profit organizations** – research organizations, charities
 - **Businesses** – research and manufacturing of pharmaceuticals, vaccines, medical devices
 - **Academia** – universities statewide
- Jobs and economic benefits from products and services to improve health in low and low-to-middle income countries

Economic Impact of Global Health in N.C.

Sector	Jobs	Wages	Financial Impact
<u>Non-Profit</u> RTI, FHI, Ipas, IntraHealth	3,400	\$267 million	\$1 billion
<u>Business</u> Pharmaceutical, Diagnostics, Medical/Lab Equipment & supplies	3,000	\$ 220 million	\$591 million
<u>Academia</u> UNC-CH, Duke Global Health Institute, Wake Forest, UNC-G, ECU, NCCU	581	\$21 million	\$51 million

19.5% of all N.C. exports to low and low-to-middle income countries
(exports to Canada = 24.4%)

Economic Impact of Global Health in N.C.

Total Impact Across Sectors



7,000 Jobs

Supported by Global
Health Sector



\$508 million

In Wages



\$1.7 to \$2.0 billion

Total Impact of Global
Health on N.C. Economy

- Improved health conditions for underserved populations worldwide
- Medical innovations to advance healthcare for all

N.C. Initiative to Expand in Global Health



*Innovation through
Collaboration*

Triangle Global Health Consortium

Establish North Carolina as an international center for research, training, education, advocacy and business dedicated to improving the health of the world's communities.

Engages local academic, governmental, business and nonprofit organizations in this collaborative effort.

www.triangleglobalhealth.org



Goals for TGHC



1. **Brand** North Carolina as a global health leader
2. **Serve** the global and local health community in North Carolina
3. Advance multidisciplinary and multi-sectorial **communication, information sharing and workforce development**

TGHC Members



Trends in Global Health: Targeted Conditions



- Infectious Diseases: HIV/AIDS, TB, Malaria – diarrheal diseases, hepatitis
- Vaccines: rotavirus and pneumococcal vaccines, HPV and others
- Non Communicable Diseases: Cancer, Diabetes, Cardiovascular
- Maternal, Newborn and Child Health
- Water and Sanitation

Trends in Global Health: Approaches

- **Capacity Building in Countries**
 - Build University Partnerships for clinical and research capabilities
 - Provide facilities, equipment, training and empower community
- **Sustainable Solutions**
 - Build organizational supports and “handover” plan
- **U.S. Undergraduate Student Training in-country**
- **Moving technology from Bench to Bedside**

Trends in Global Health: Approaches

- **Multi-lateral Collaboration**
 - UN Innovation Working Group,
 - WHO Framework Convention on Tobacco Control
- **Public Private Partnerships**
 - Global Alliance for TB Drug Development
 - Medicines for Malaria Venture
 - GAVI Alliance for vaccines
- **Increased Business Involvement**
 - Corporate Social Responsibility
 - Expanding Markets



N.C. Impact on Global Health From Research to Implementation

Moving Technology from Bench to Bedside

Basic and Applied Research



Product Development and Commercialization



Technical Implementation and Scale-up



North Carolina has the capability, organizations and commitment to make important contributions across the spectrum of global health needs



***A Healthier World
is in Our Reach.***

