



START
CENTER

STRATEGIC ANALYSIS,
RESEARCH & TRAINING CENTER

Department of Global Health | University of Washington

GLOBAL HEALTH PARTNERSHIPS AND PROGRAMS

EVIDENCE OF MUTUAL BENEFIT AND EQUITY

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Keith Martin, Stephen Morrison, King Holmes

CSIS

CENTER FOR STRATEGIC &
INTERNATIONAL STUDIES

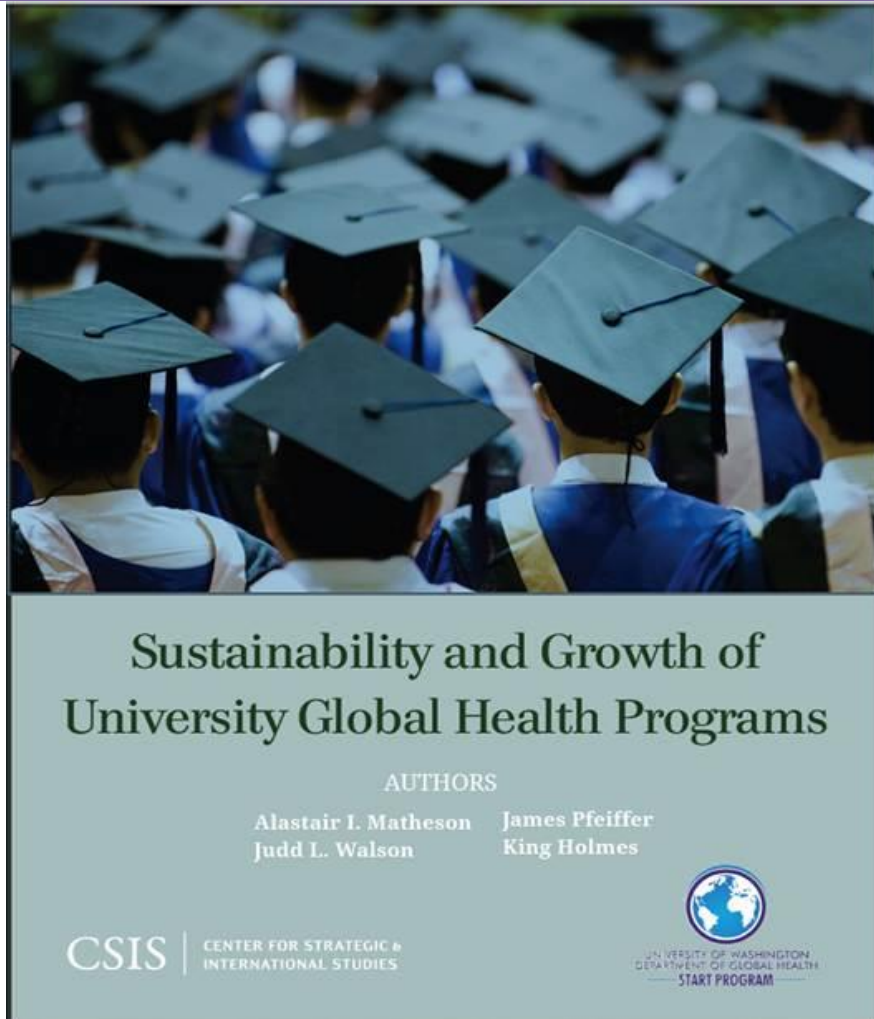
Consortium of
Universities
for Global Health



Outline

- Objectives
- Methods
- Result Highlights
- Strengths and Limitations
- Discussion

Motivation and Relevance



Objectives

1. **Assess Mutual Benefits:**

Assess and compare mutual benefits of global health partnerships, for North American versus international partners.

2. **Roadmap:**

Develop a strategic roadmap to guide North American academic global health programs.

Global Health Partnerships: Guiding Questions

1. What types of partnership? What is their distribution?
2. What are key funding sources?
3. What is the geographical distribution of partnerships?
4. Which partnerships have been most beneficial to date?
5. What are evolving priorities for future partnerships?
6. What types of collaborations are most beneficial?
7. What are areas for further improvement?
8. How well are partners working together?
9. Is there evidence for equity?
10. What are the implications for global health programs?

Methods

Data Gathering

- Survey Questionnaires
 - ▣ Appendix A: North American Institutions
 - ▣ Appendix B: International Institutions
- Structured Interviews:
 - ▣ Appendix C: Interview Guide
- Literature Review:
 - ▣ Appendix F: Case Study Articles

Analysis

- Statistical Analysis
 - ▣ Descriptive Comparison
 - ▣ Regression Analyses
- Thematic Analysis
 - ▣ Qualitative Survey Data
 - ▣ Structured Interview Data
 - ▣ Literature Review

North American Academic Institutions

(n = 82)

- 81.2% of CUGH membership (at time of study) responded!
 - ▣ Comprise 67.7% of the American Association of Universities' membership
- Type of Institutions
 - ▣ 58.5% Public
 - ▣ 41.5% Private
- Overall institutional student enrollment ranges from 2,500 to 40,000+
- 68.4% of North American GH partnerships are part of larger institutional partnerships

Locations of North American Academic Institutions

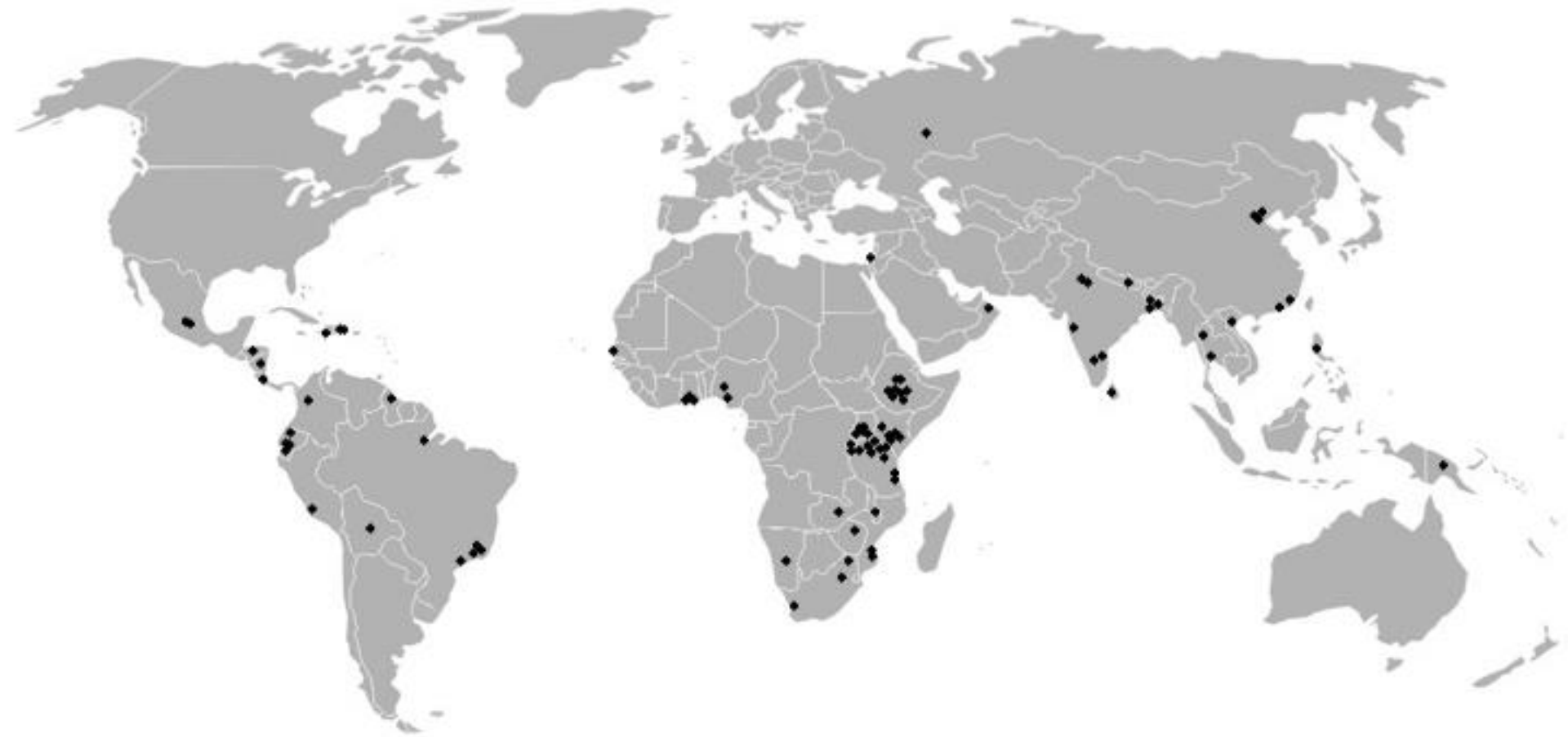


International Partner Institutions (n = 47)

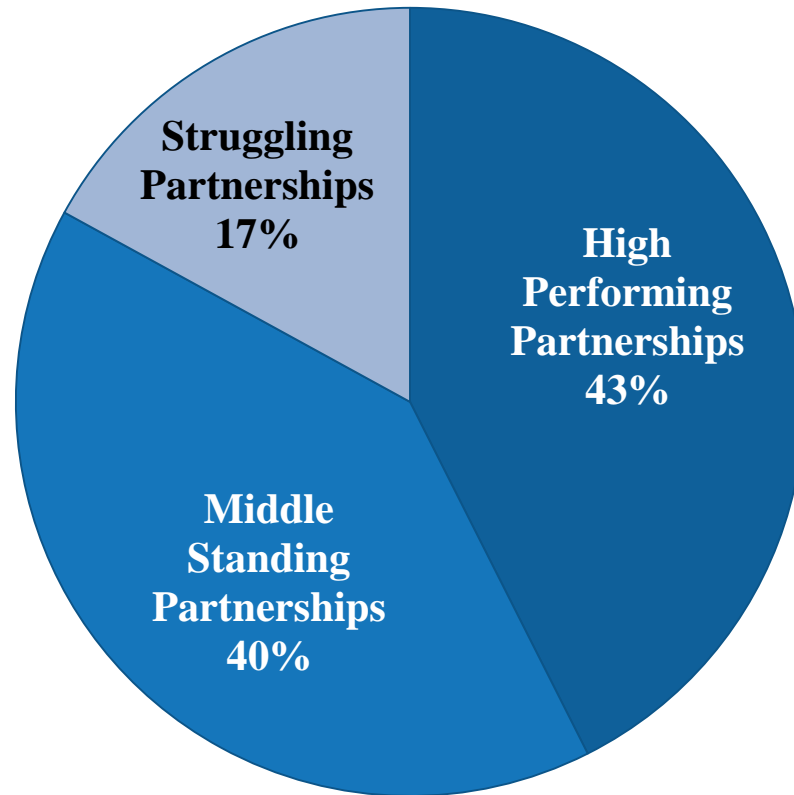
- 75.8% of identified sample responded

- Type of Institutions:
 - ▣ 61.7% Public Academic
 - ▣ 10.6% Private Academic
 - ▣ 19.2% NGO
 - ▣ 8.6% Government/Other Agency

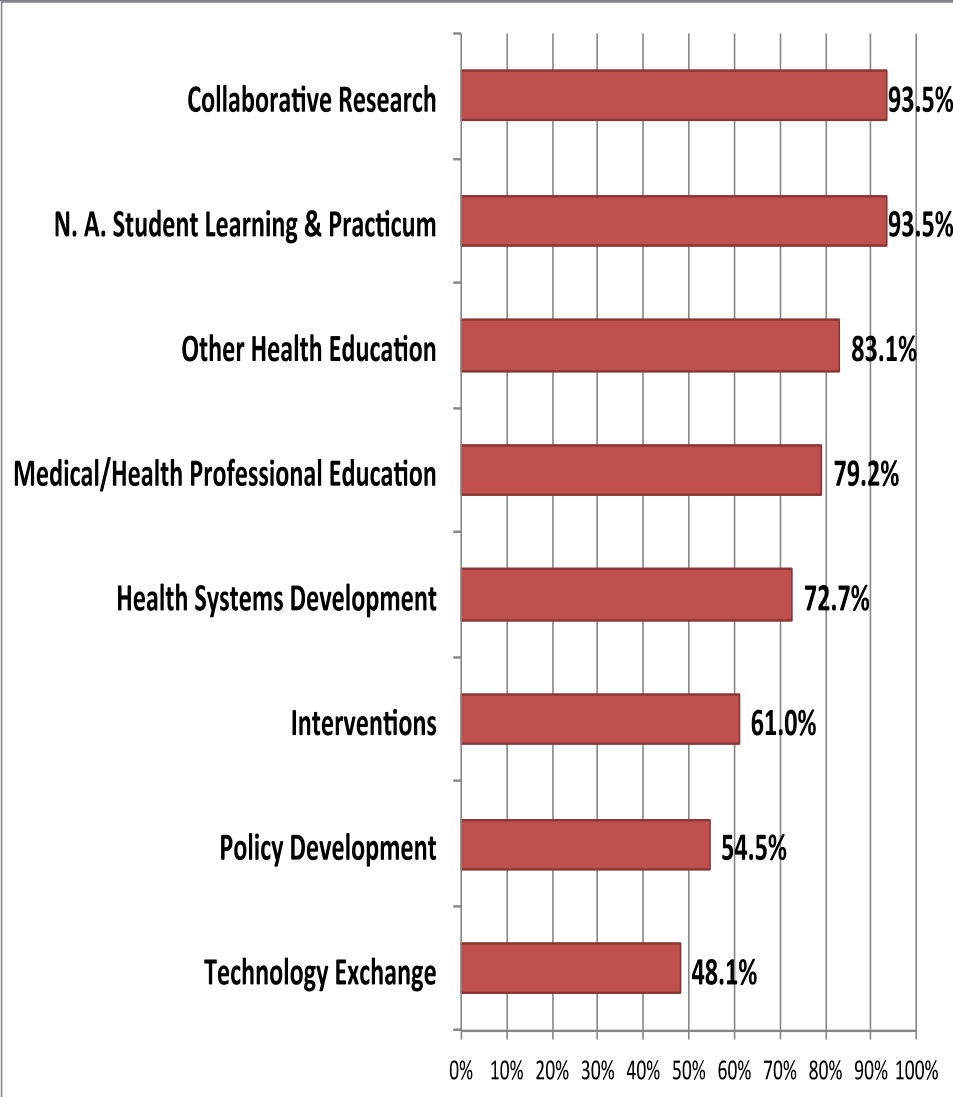
Locations of International Partner Institutions



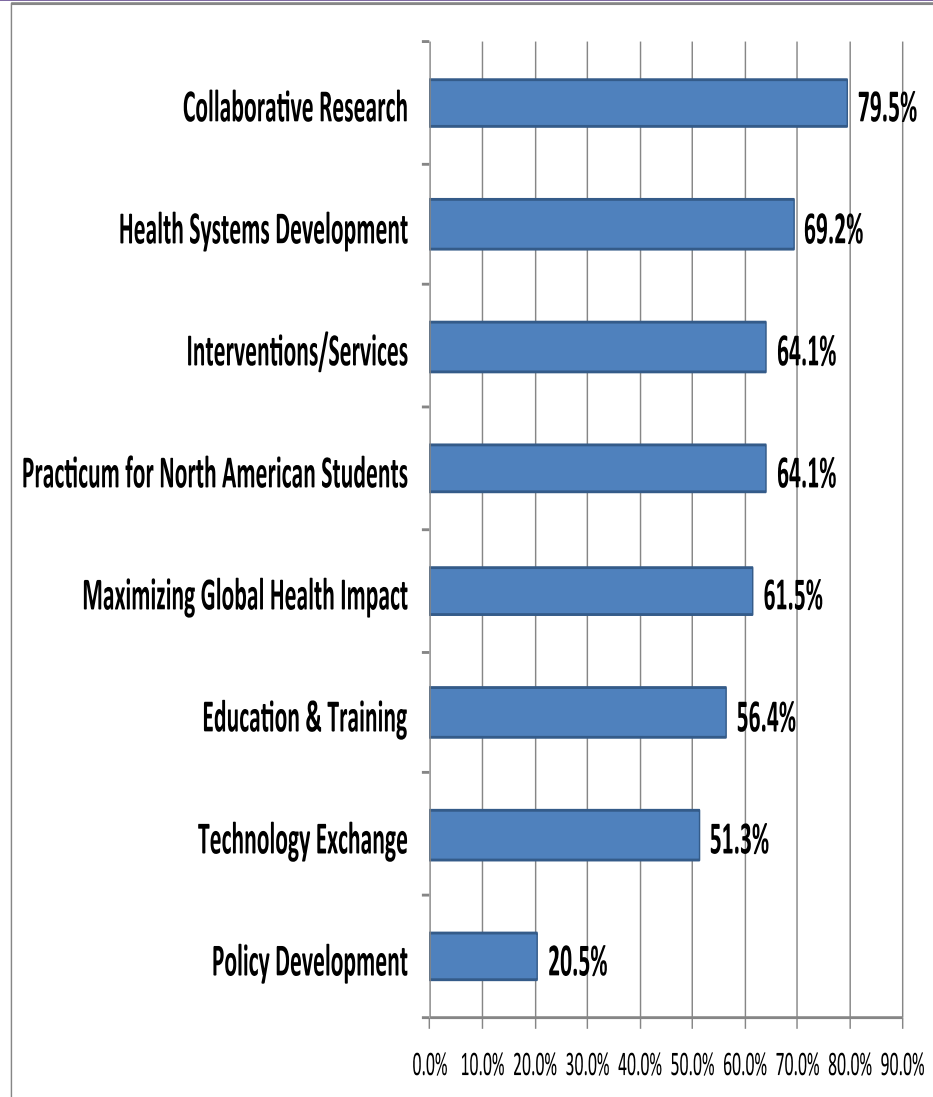
Classification of International Partnerships by North American Universities



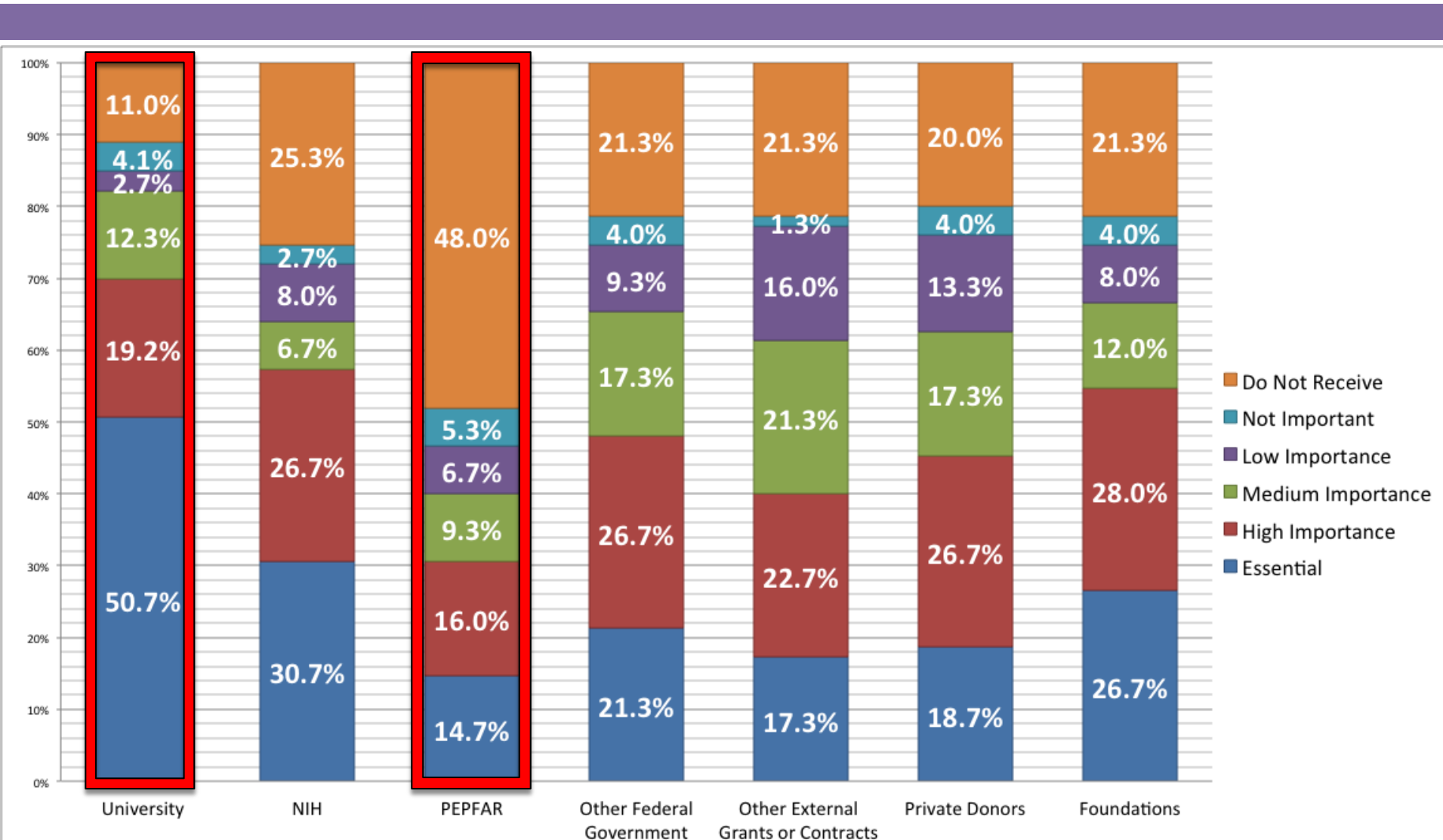
Types of Partnerships Reported by North American Universities



Types of Partnerships Reported by International Partners



Perceived of Importance of Various Funding Sources for North American Institution Global Health Partnerships

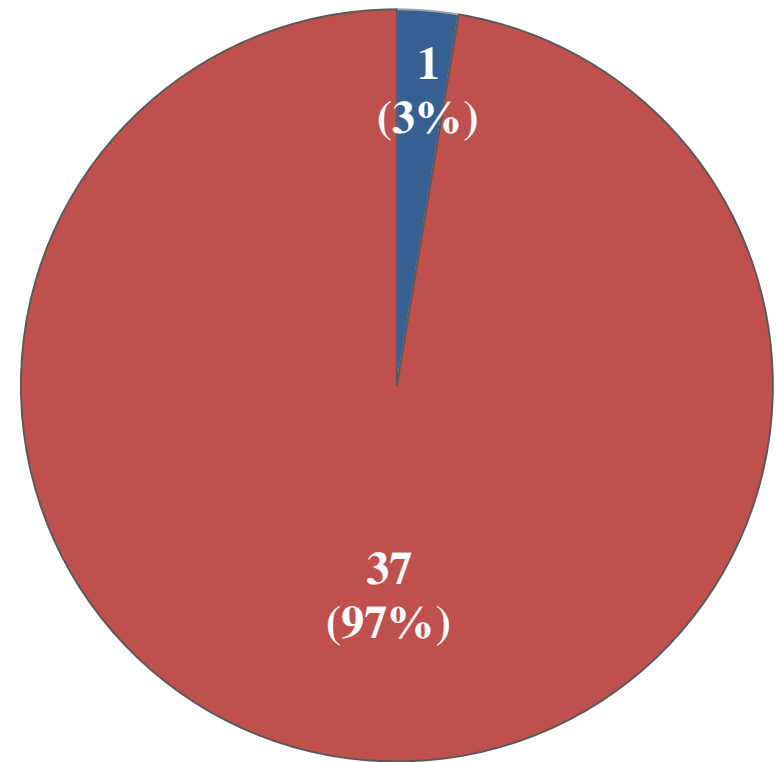
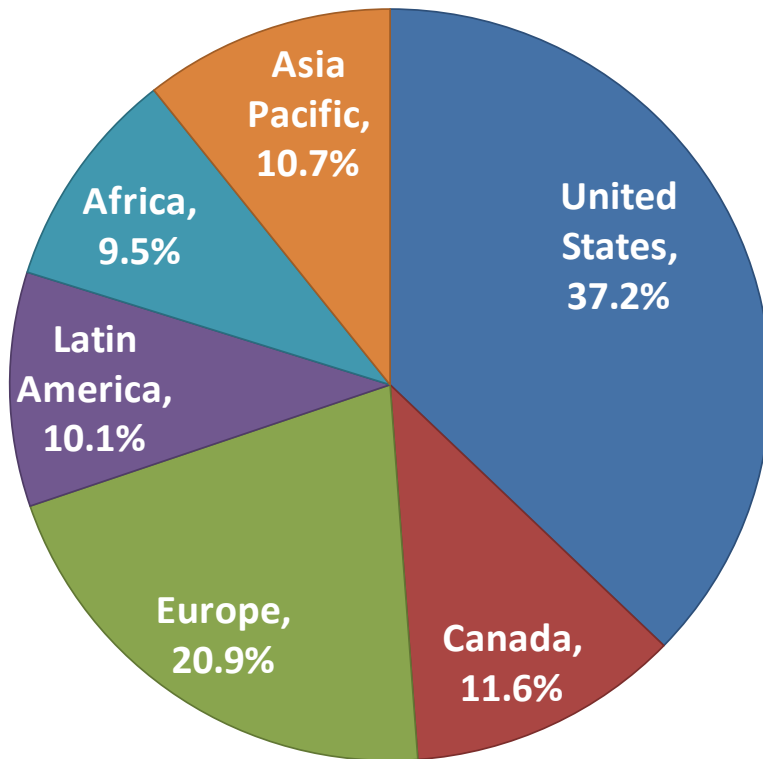


Perceived of Importance of Various Funding Sources for International Institution Global Health Partnerships



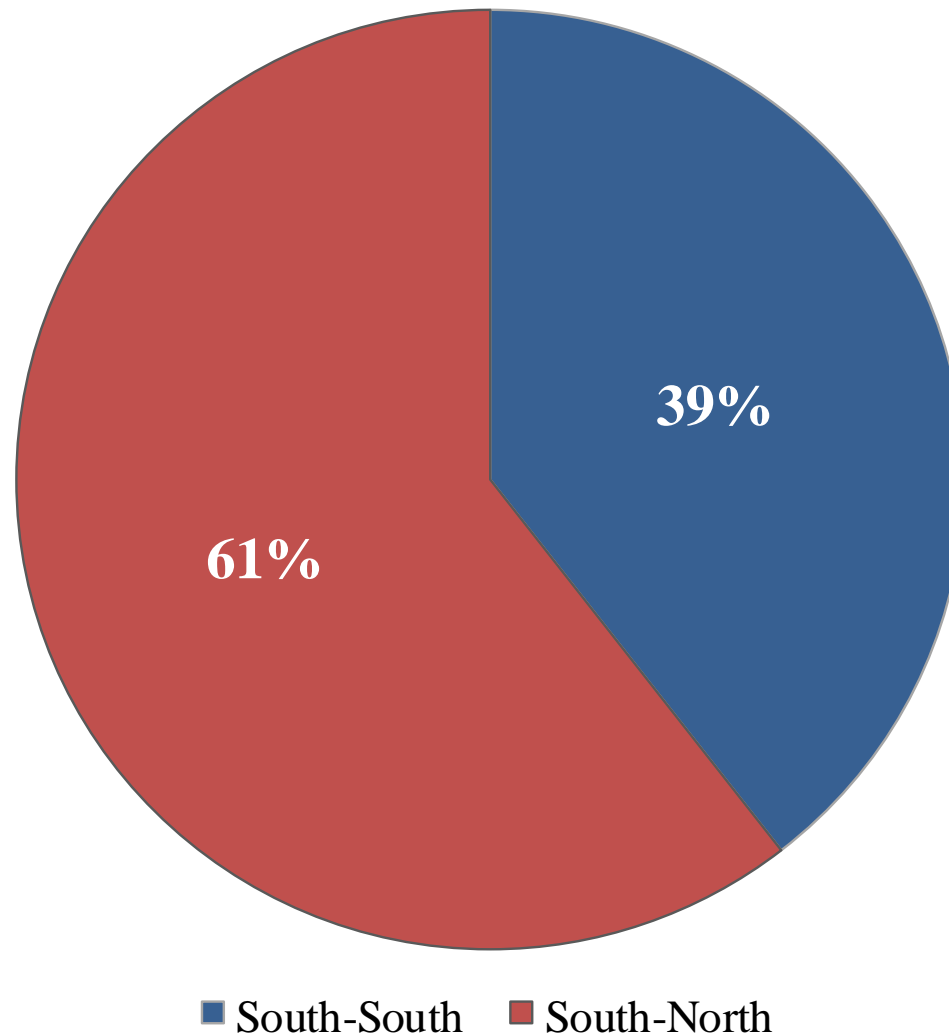
Geographic Location of International Institutions' **516 Partners**

Type of Partnerships Producing Greatest Benefit for International Partners to Date

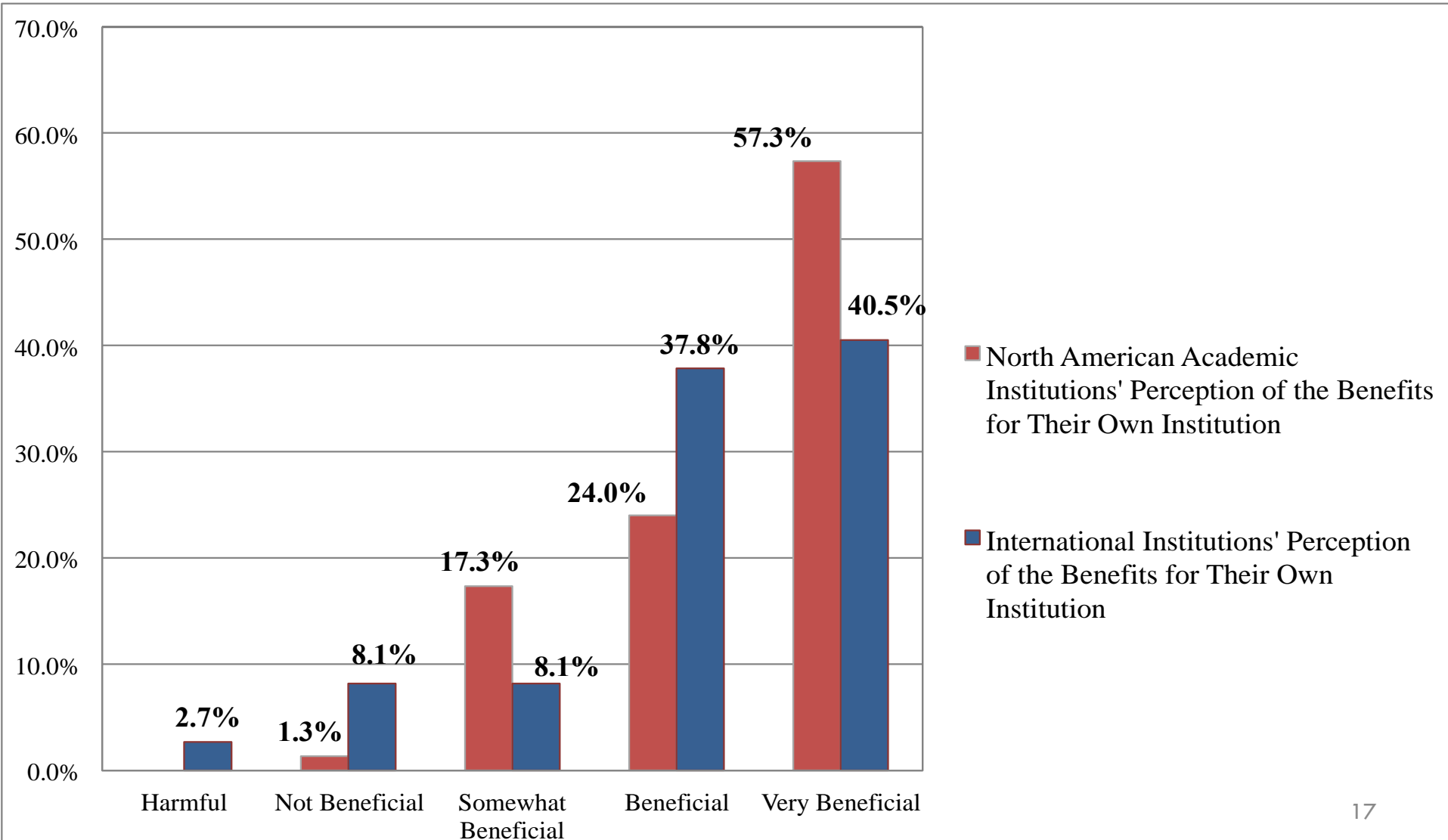


■ South-South ■ South-North

International institutions' anticipated prioritization for developing future partnerships

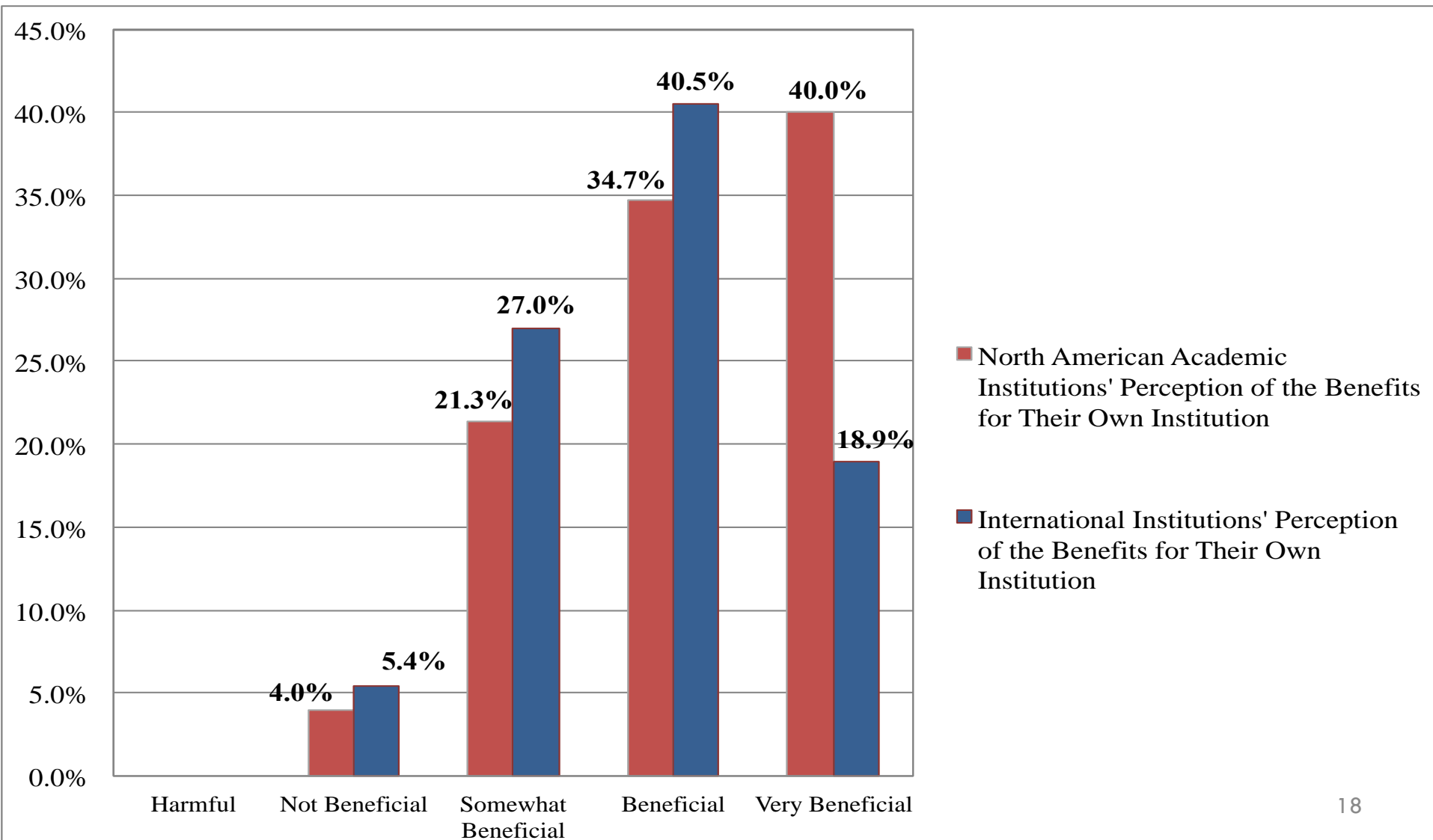


Perceived Benefits from Research Collaborations



Perceived Global Health Partnership Benefits

Re: Global or Local Health Impact



Factors Correlated with Perceived Benefits from Partnerships

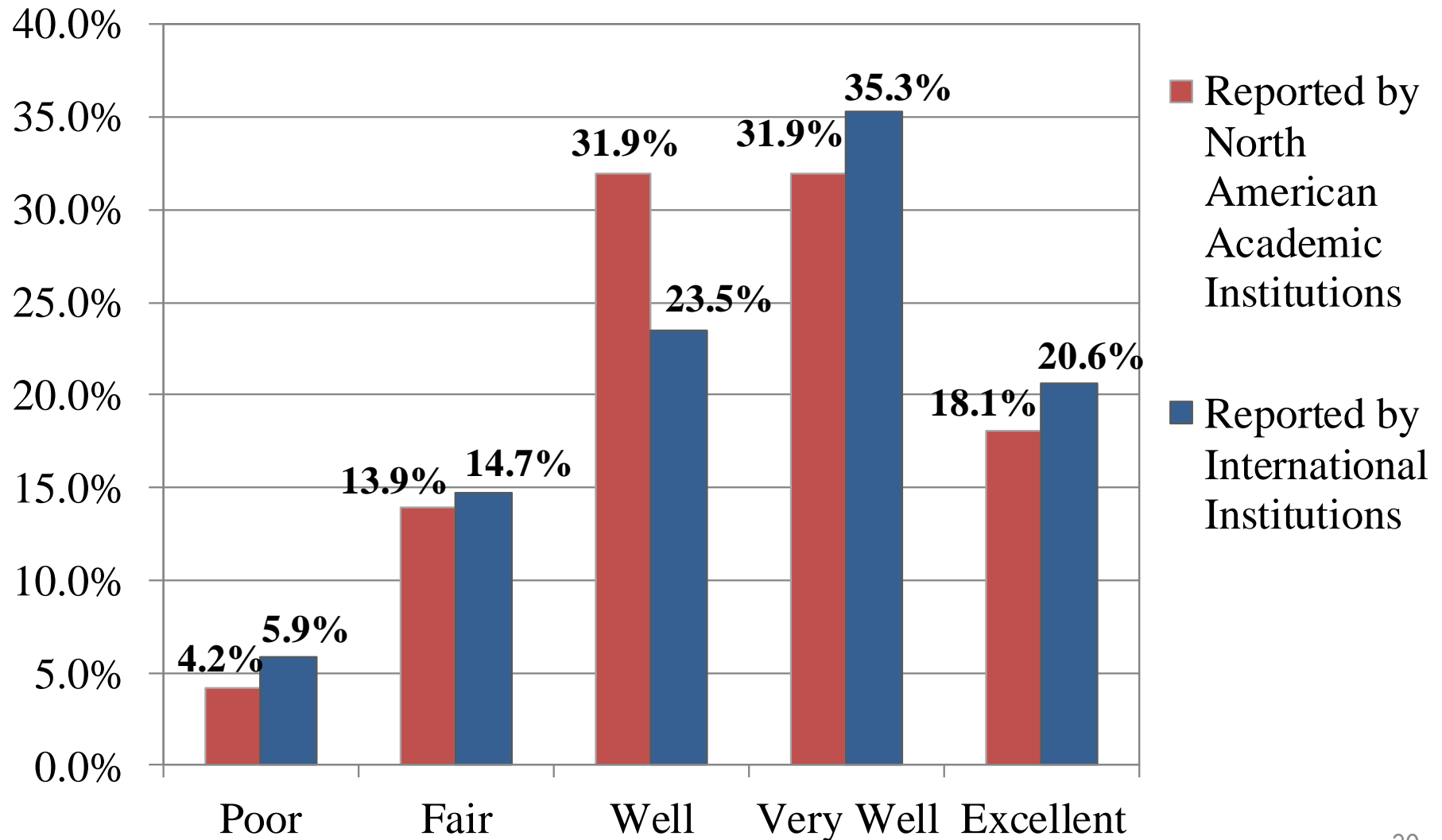
North American Universities

- Funding from all sources (esp. NIH, PEPFAR, other federal agencies, external grants/contracts, and foundations)
- Being part of larger institutional partnerships
- Effectiveness of partnership collaborations

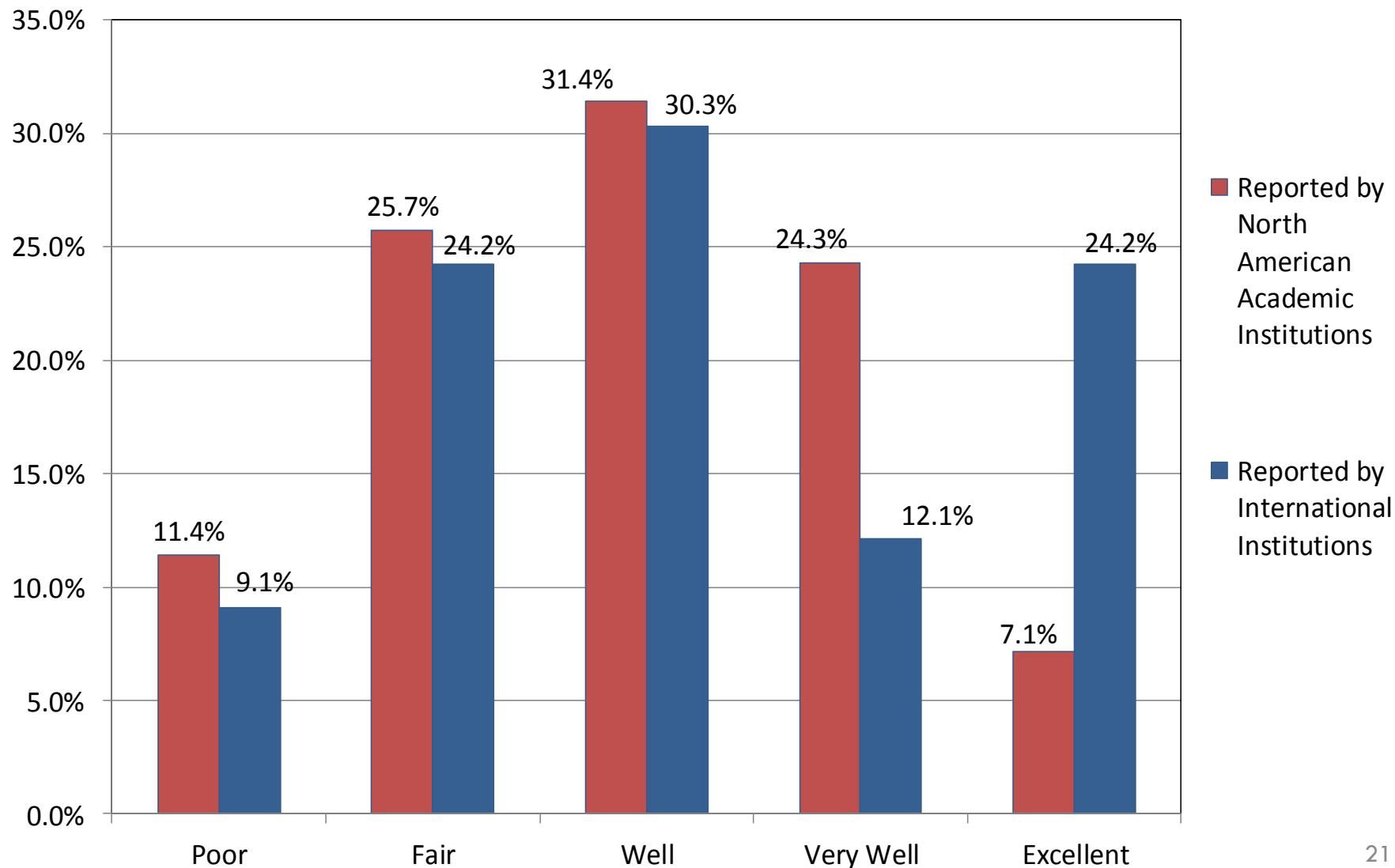
International Institutions

- Funding from all sources (esp. the NA university, NIH, foundations, and UN agencies)
- Collaborations and investments received
- Level of North American student preparation
- Effectiveness of partnership collaborations

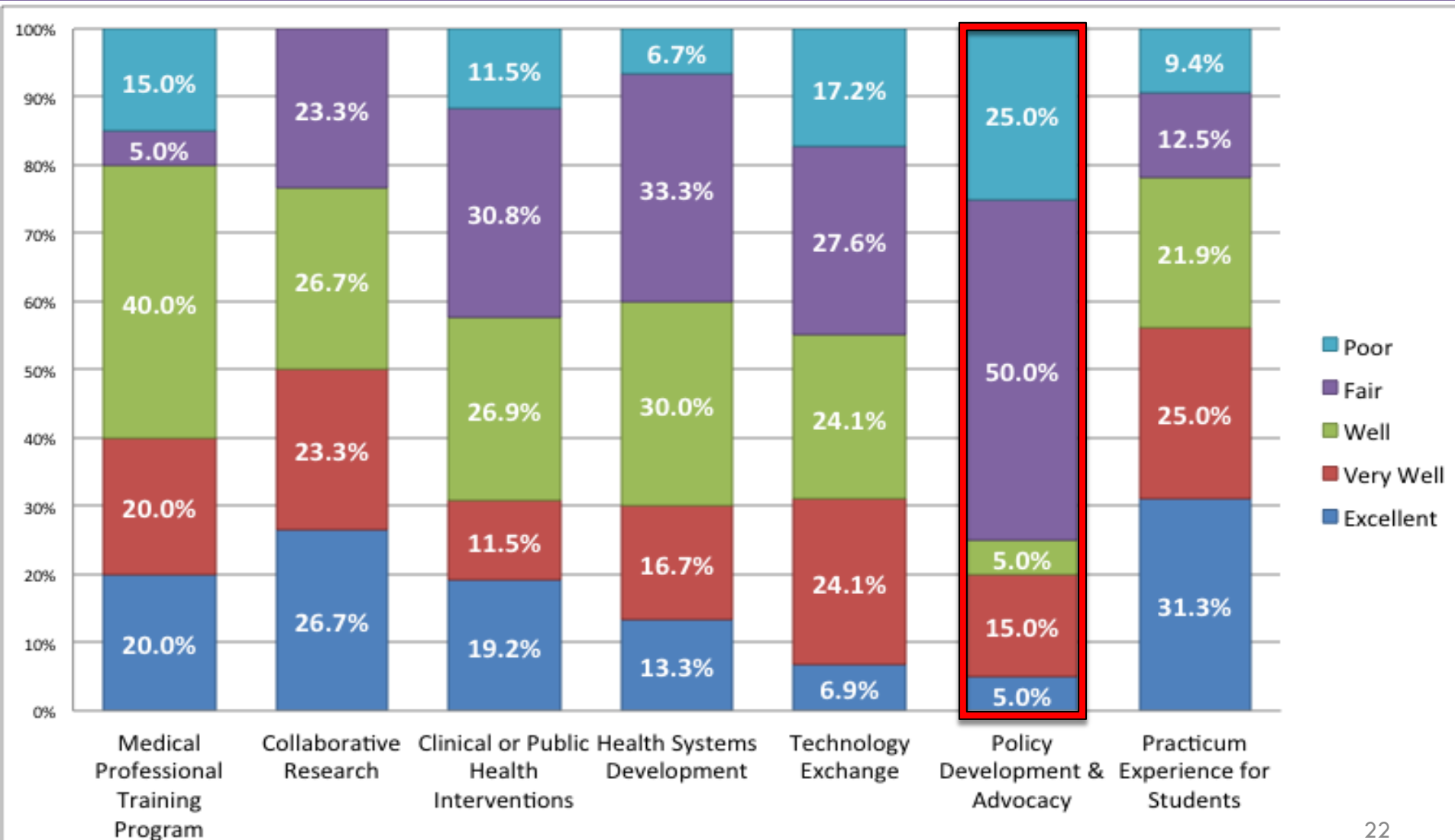
How Well Global Health Partners Are Working Together in Establishing Mutual Goals



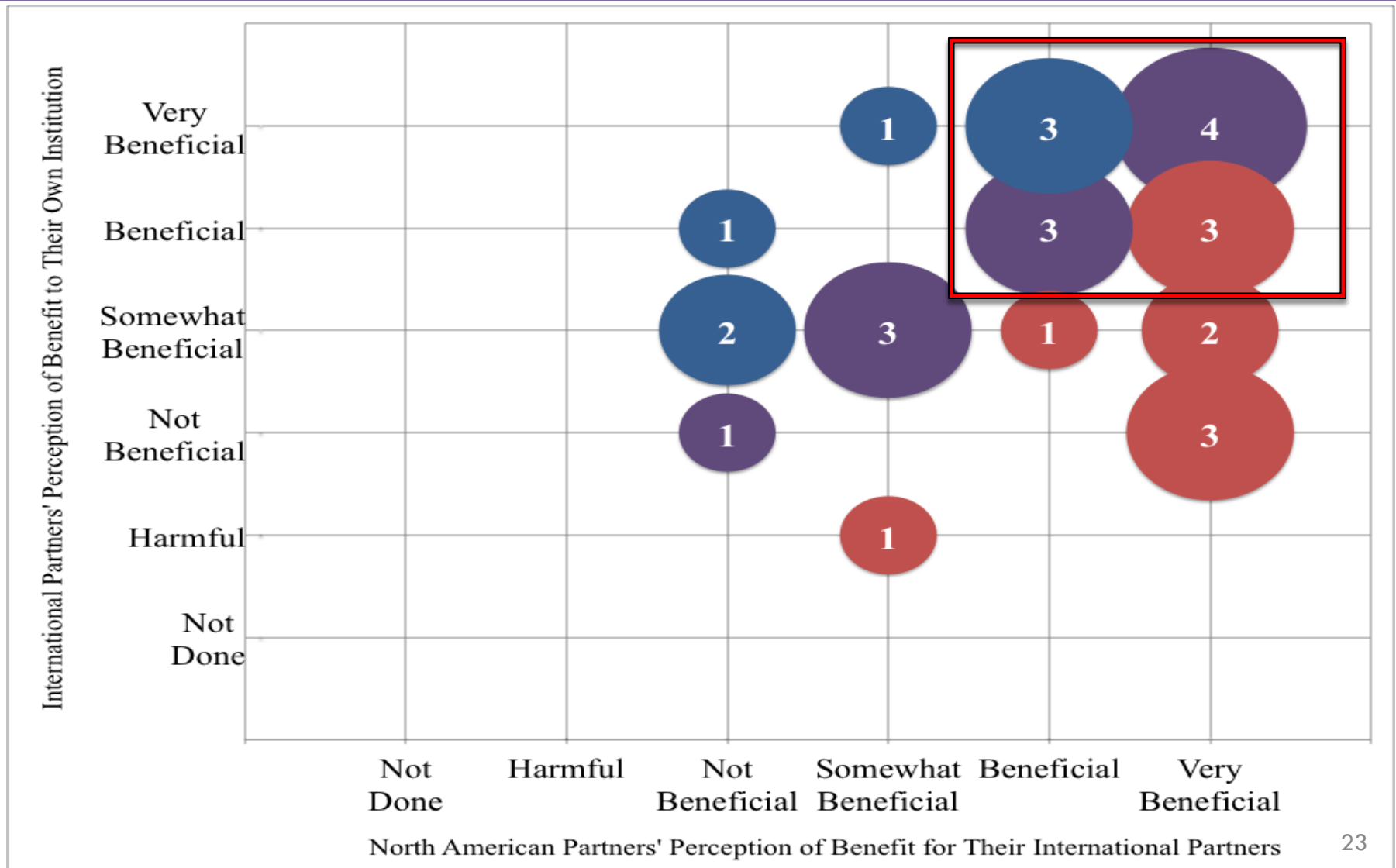
How Well Global Health Partners are Working Together in Monitoring and Evaluation



International Partners' Institutional Needs-fulfillment in Seven Areas



Paired Comparison of Benefits for International Institutions from Student Exchanges



Global Health Partnerships: Guiding Questions

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Strengths and Limitations

Strengths

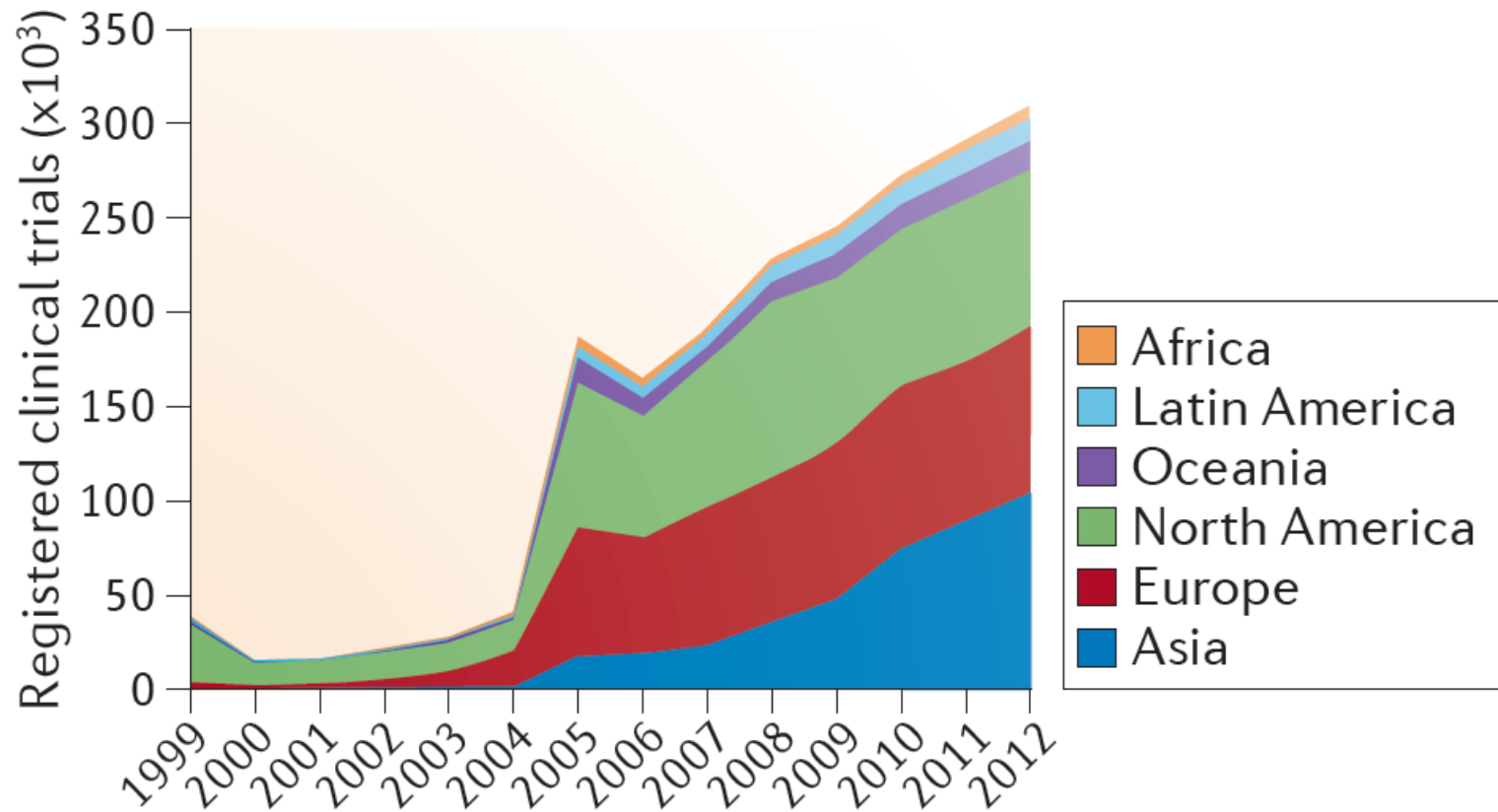
- 1st indepth investigation of North American/International Global Health Partnerships
- High CUGH and LMIC response rates
- Mixed methods design
- Questionnaires vetted by representatives of CUGH and international institutions

Limitations

- Selection bias
 - ▣ Survey analysis limited to CUGH
 - ▣ Higher representation of stronger partnerships in international sample
- Respondent fatigue/survey attrition
- English only surveys
- Subjective responses

So, global health partnerships report benefits and equity – but, what is the objective evidence of impact of global health on research, education, and service?

Global migration of clinical trials



Drain PK, Robine M, Holmes KK, Bassett IV. Trial watch: Global migration of clinical trials. Nat Rev Drug Discov. 2014 Feb 28;13(3):166-7.

1. Scientists Use Cloning to Create Stem Cells
2. A First-Ever Malaria Vaccine

3. **HIV Treatment As Prevention**

4. The Food Pyramid Becomes a Plate
5. Body Parts Grown in the Lab
6. The Curious Link Between Bacteria and Colon Cancer
7. A Silver Bullet for Weight Loss?
8. Dogs That Can Sniff Out Lung Cancer
9. You're as Old as Your Spit Says You Are
10. A Death Risk Predictor?



THE UNIVERSITY
of NORTH CAROLINA
at CHAPEL HILL

1. Junk No More
2. What Are Bugs For?
3. **Do-It-All HIV Drug**
4. Lab-Grown Body Parts
5. Hope for Reversing Autism
6. Breaking Down Breast Cancer
7. Speeding DNA-Based Diagnosis for Newborns
8. Decoding Childhood Tumors
9. Man-Made Mouse Eggs
10. Zit-Zapping Viruses



U.S. Food and Drug Administration

Protecting and Promoting *Your Health*

FDA NEWS RELEASE

For Immediate Release: July 16, 2012

Media Inquiries: Erica Jefferson, 301-796-4988, erica.jefferson@fda.hhs.gov

Consumer Inquiries: 888-INFO-FDA

FDA approves first drug for reducing the risk of sexually acquired HIV infection

Evidence-based approach enhances existing prevention strategies



UNIVERSITY OF WASHINGTON
INTERNATIONAL CLINICAL RESEARCH CENTER

Pre-Exposure Prophylaxis



The NEW ENGLAND
JOURNAL of MEDICINE

ORIGINAL ARTICLE

Use of a Vaginal Ring Containing Dapivirine for HIV-1 Prevention in Women

Jared M. Baeten, M.D., Ph.D., Thesla Palanee-Phillips, Ph.D., Elizabeth R. Brown, Sc.D., et al
February 22, 2016 | DOI: 10.1056/NEJMoa1506110



A Phase III Trial of the Dapivirine Vaginal Ring for HIV-1 Prevention in Women

Jared M. Baeten¹; Thesla Palanee-Phillips²; Elizabeth R. Brown³; Katie Schwartz⁴; Lydia E. Soto-Torres⁵; Annalene Nel⁶; Zeda Rosenberg⁷; Ian McGowan⁸; Sharon L. Hillier⁹; for the MTN-020/ASPIRE Study Team

Efficacy proven in RCTs

≠

Real world effectiveness and scale-up



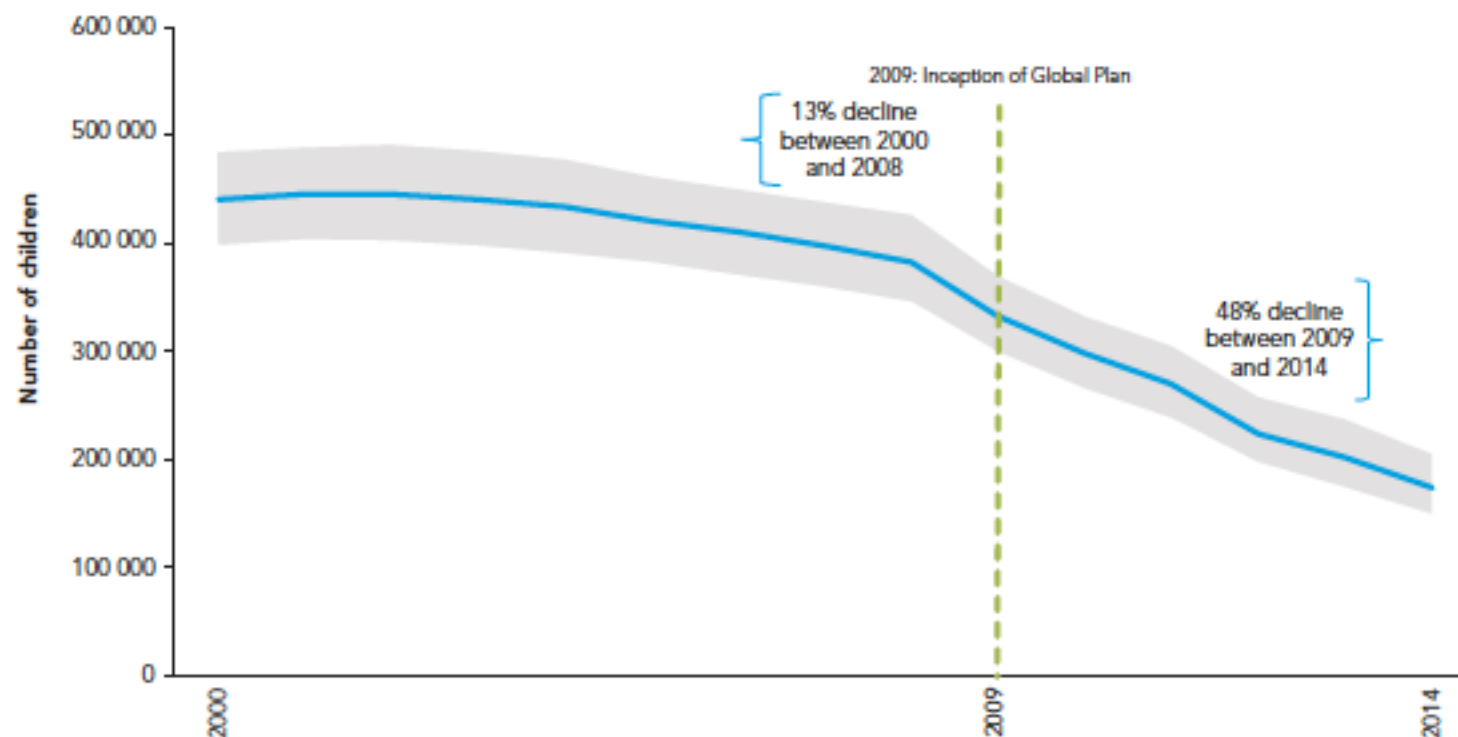
Impact evaluation methods

with

Counterfactual comparisons

Figure 1

Number of new HIV infections among children in 21 Global Plan priority countries, 2000–2014

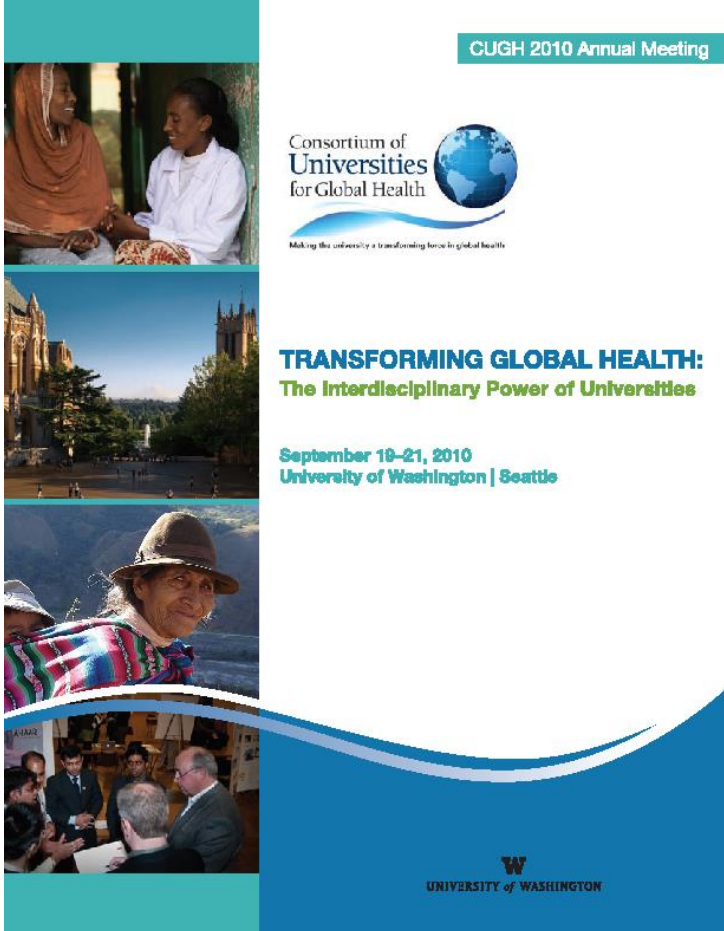


Source: UNAIDS 2014 estimates.

2010 CUGH Conference

Tachi Yamada, President, Global Health Program – BMGF

- What does academia contribute to global health? “Innovation and discovery”
- Also education and training of thousands of new global health students and graduates?



CUGH 2010 Annual Meeting

Consortium of Universities for Global Health

Making the university a transforming force in global health

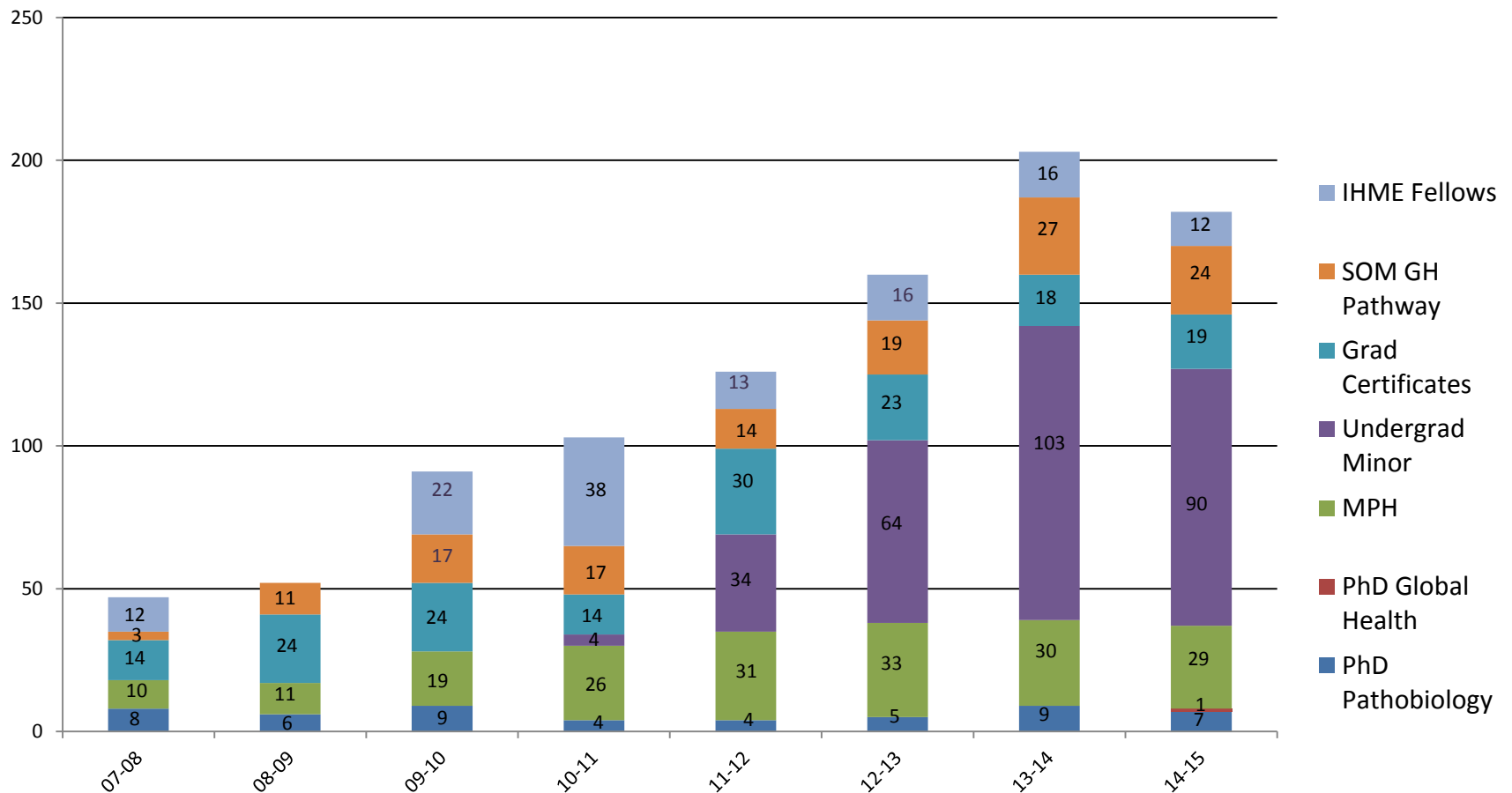
TRANSFORMING GLOBAL HEALTH:
The Interdisciplinary Power of Universities

September 18-21, 2010
University of Washington | Seattle

W
UNIVERSITY of WASHINGTON

The poster features a vertical strip of four images: a woman in an orange headscarf, a university campus with a fountain, a man in a hat and poncho, and a group of people in a meeting. The bottom right corner has a blue wavy graphic with the University of Washington logo.

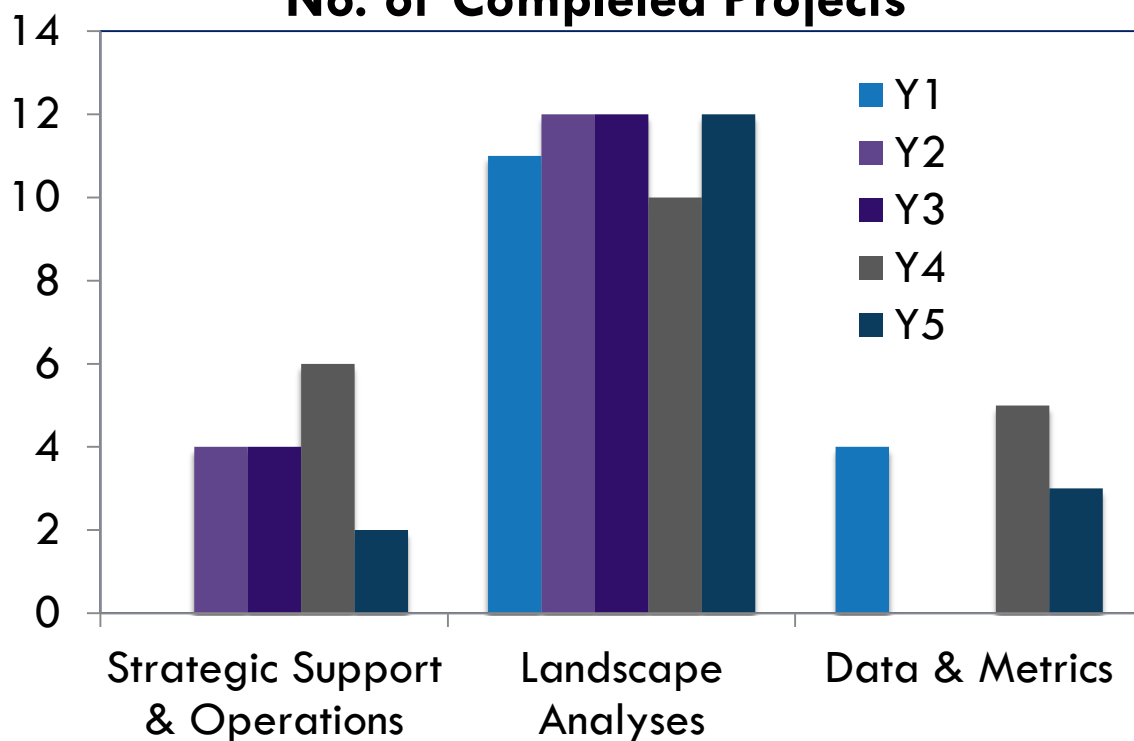
Annual Graduates (by program)





Over 175 reports, presentations, and tools delivered to teams at the Bill & Melinda Gates Foundation

No. of Completed Projects





International Infrastructure for Global Health Partnerships in Research, Education, and Service



UCSF



FACES Network: 160 clinics; 140,000 persons received HIV Rx

International Infrastructure



Thank You