Shoulder to Shoulder Global: A Partnership for Change in Ecuador

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Lexington, KY
Objectives

- Provide an overview and evolution of a global, interdisciplinary, sustainable program to improve the health of an Ecuadorian resource-poor community
- Describe learning and service-learning opportunities
- Present interprofessional education and scholarship components
- Describe integration of campus and community collaborations
Overview of Shoulder to Shoulder Global

Ten Years of Development, Growing Pains and Looking Forward

Claudia Hopenhayn, MPH, PhD
Vision

• The communities with which we partner will develop sustainable integrated practices that create measurable improvements in the quality of life for community members

• University members and community partners will derive multiple and lasting benefits from engagement through increased opportunities for education, research and service

• Shoulder to Shoulder Global will become an international community engagement model for other institutions of higher education worldwide
STSG Goals

• To improve the quality of life of the communities we serve through the integration of health, economic, environmental, and educational development

• To engage community partners in Kentucky and the country we serve to meet the mission of STSG

• To engage University of Kentucky students, faculty, staff, and administration in the global work in the communities we serve

• To develop an infrastructure to support the organization’s mission
Determinants of Health for the Individual

- Literacy-Mother
- Water Quality
- Household Care
- Primary Health Care
- Ecology
- Food Quantity & Quality
- Sanitation
- Environmental Stability
- Household Income
- Faith and Culture

Shoulder to Shoulder Global Ecuador
From the Beginning…

- Partners of the Americas: Kentucky-Ecuador
- Founder: Tom Young, MD
- First Partner: Leonardo Oviedo, MD
- Santo Domingo de los “Colorados”
- Investment of volunteer time
- From one-time-stop to a sustainable model
- From Pediatrics to multi-disciplinary
- From treatment to health
Current Structure

In Lexington, KY

- STSG Council
- STSG Committees
  - Programs and Projects
  - Engagement
  - Development
- UK OIA (Office of Intl. Affairs)
  - Global Health Initiatives
- STSG-SA (Student Association)

In Ecuador

- CMHH Clinic (Centro Medico Hombro a Hombro)
- FASCA (Fundación Acción Social Caritás)
- Quito Eterno
Centro Medico Hombro a Hombro

- Staff
  - Providers
  - Nursing personnel
  - Administration
- Services
- Community outreach
The Neighborhood
Homes

Residents per Home
<3 -------- 24%
4-6 -------- 60%
7-9 -------- 14%
>9 -------- 2.5%

Water
Piped: 33%
Wells: 65%

Sanitation
Latrine: 57%
Plumbing: 40%
Open field: 3%

Residents per Home
<3 ------- 24%
4-6 ------ 60%
7-9 ------- 14%
>9 ------ 2.5%
Tsa’chila Communities
Partners in the U.S.

Partners On UK Campus

Colleges & Units:
• All 6 health colleges: Dentistry, Health Sciences, Pharmacy Medicine, Nursing, Public Health
• Education
• Design
• Student Affairs
• Education Abroad
• IFMSA (International Federation of Medical Students Association)

Other Partners

Other Academic/ Educational:
• University of Cincinnati
• Timmy Global Health

Community Organizations:
• Kiwanis International, Rotary International
• Churches: the Cathedral of Christ the King, First Presbyterian, U.K. Newman Center
• Jubileo Foundation

Community Members: health care practitioners, former brigade members and families
Ecuador Partners

Foundations, NGOs

- FASCA
  - Fe y Luz, Centro de Recuperacion Nutricional
- Quito Eterno
- Peace Corps
- Kiwanis International
- Rotary International
- Potters for Peace
- Hospital Dominguez
- (Fundacion HaH)

Educational, Govt.

- USFQ (Univ. S.Francisco de Quito)
- PUCE (Pontificia Univ. Catolica de Ecuador)
- UTA (Universidad Tecnica de Ambato)
- Local schools
- Local Ministry of Health
- Feeding programs
Financing STSG

Costs
- Operating CMHH $100,000
- STSG coordination $60,000
- Other $10,000

Resources
- UK administration $44,000
- UK colleges $27,000
- Donations $55,000
- Outreach fees $30,000
- Clinic fees $14,000

In Kind: travel expenses, supplies, faculty time
Going There

Short-term Health Outreach, Internships and Sabbaticals
Melody Ryan, PharmD, MPH
Short-term Health Outreach

- Short-term work to sustain our efforts and provide care
- 8-10 days in length
- Large span of ages and skills
- 3 times/year – 1 physical therapy/communication disorders, 2 general health
- Interprofessional
- Partnering with Ecuadorians
## Trainees 2008-2012

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<th>College</th>
<th>Number</th>
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<td>Arts &amp; Sciences (undergraduate)</td>
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<tr>
<td>Arts &amp; Sciences (graduate)</td>
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<tr>
<td>Dentistry</td>
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<td>Health Sciences</td>
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<td>Medicine (students)</td>
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<tr>
<td>Medicine (residents)</td>
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<tr>
<td>Nursing</td>
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<tr>
<td>Pharmacy</td>
<td>18</td>
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<tr>
<td>Public Health</td>
<td>26</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>246</strong></td>
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Changes and Challenges

• Letting the community guide us
  • Input from focus groups
  • Working with clinic staff
• Becoming more deliberate
  • Determining personnel composition of teams
  • Choosing appropriate interventions
• Partnering with Ecuadorian providers
• Building staff confidence through training
Rotations/Internships/Practicum/Etc.

- Most health professionals have an experiential component to their training
- Clinic in Ecuador available for 4-6-week training periods
- Other partner sites in Santo Domingo
- Combining clinical observation, home visits, research and community projects
## Students 2008-2012

<table>
<thead>
<tr>
<th>College</th>
<th>Number</th>
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<tbody>
<tr>
<td>Health Sciences (physician assistants)</td>
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<tr>
<td>Medicine</td>
<td>5</td>
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<td>Pharmacy</td>
<td>6</td>
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<td>Public Health</td>
<td>1</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>14</strong></td>
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</tbody>
</table>

*Images: Students in various medical settings.*
Sabbatical Opportunities

- Claudia Hopenhayn, PhD – Fulbright scholar 2009-2010
  - Public health instruction and research
  - Infrastructure capacity building
- Nick Nickl, MD – 2010-2011
  - Gastroenterologist seeing patients in clinic and in the local public hospital; providing teaching rounds to medical residents
- Lynn English, PT, MSEd, DPT - 2010
  - Qualitative research exploring impact of physical therapy services from the staff and patient perspectives
Program Evolution

• Short-term service planning committee
• All new programs, projects, and internships are reviewed by committee
• Assures adequate staff time and approvals (e.g., IRB)
The Service Learning Effort Expands and Matures

Interprofessional Education
Sustaining Communication
Scholarship

M. Lynn English, PT, MSEd, DPT
Interprofessional Education

- Expansion of interprofessional service learning in Ecuador
- Establishment of new preparatory course
Health Professions Gradually Added to Address Community Needs

Original Efforts

- Medicine-Pediatrics
  - Faculty and Residents

Professions Added

- Public Health
- Nursing
- Pharmacy
- Physical Therapy
- Audiology/speech
- Dentistry
- Additional medical disciplines
Other Key Disciplines Added

- Spanish interpreters (UK Arts and Sciences and Ecuadorian university students)
- College of Education for expanding partnerships with Ecuadorian universities and community schools
Interprofessional Teamwork in Global Health Course - 2012

- “Embedded” course
- Variable credit
  - 1 credit: Course completion
  - 1 credit: Health outreach in Ecuador
  - 1 credit: Discipline-specific
- Coordinated by UK Center for Interprofessional Healthcare Education, Research and Practice
Interprofessional Teamwork in Global Health Course - 2012

Student preparation for outreach to Ecuador

*Examples of topics:*
- Ethics, values while serving
- Roles and responsibilities of team members/communication
- Ecuadorian cultural context
Interprofessional Teamwork Course Elements

- Four evening class meetings (2 ½ hours)
- Readings preassigned, provided electronically
- Faculty presentations each class
- Small interprofessional group discussion of topics
- Closing- debrief from group discussion
Faculty Challenges - Development of the Interprofessional Course

- Coordination of meeting times for initial planning
- Consensus on course dates
- Assignment of teaching responsibilities
- Time commitment added to already busy schedules
Course Revision Based on Student and Faculty Feedback

• 2013 course *required* for all disciplines (students traveling to Ecuador for outreach)

• Increased grouping of those class participants traveling together

• Rearrangement of order of content
Sustaining Communication with Partners

• Ongoing consultation via video conference with permanent clinic staff to guide planning for each of three group outreach

• Video/phone communication with paid STSG staff in Ecuador - serves as liaison, coordinator of efforts
Sustaining and Expanding Financial Partnerships

• FASCA – regular communication / financial reporting between Ecuadorian social service organization partner and UK STSG

• Exploration of partnerships with other similar service groups to maximize service provided
Consultation/Partnership with Ecuadorian Professionals

- During outreach: working alongside physical therapists/speech therapists at a pediatric rehabilitation center supported by FASCA

- Production of educational material (DVD, PowerPoint presentations) for therapists’ continuing education
Development of Scholarship While Serving: Pilot Project

- Public Health Faculty advises Peace Corps worker (Public Health Master’s student) in pilot water project
Development of Scholarship While Serving: Grant Funding

- 2010: College of Health Sciences Educational Enhancement Grant: Produced *Shoulder to Shoulder Global Movie* used to prepare students for outreach.
- 2010: College of Education International Grant: supported 3 faculty to begin strategic planning for the collaboration and inclusion of education students in service-learning and engagement scholarship.
- 2011-2013 Children’s Miracle Network: *Study of Micronutrient Deficiencies in Ecuadorian Preschool Children*
Development of Scholarship While Serving: Presentations

- 28 local, regional and national presentations of various aspects of service-learning in Ecuador
Shoulder to Shoulder Global Ecuador

University of Kentucky Educational Partnerships
Katherine McCormick, PhD
James W. & Diane V. Stuckert Endowed Professor in Service-Learning
STSG and Expansion of Partners across the University and in Ecuador

- Alternative Spring Break
- Student and Faculty Exchanges
Alternative Spring Break
15 students
Collaboration in Ecuador: Student & Faculty Exchanges

- In U.S. University of Kentucky:
  - Pontificia Universidad Catolica del Ecuador
    - Two exchanges with the College of Nursing (most recent Fall 2012)
  - Universidad San Francisco de Quito – in development

- In Ecuador:
  - In progress, anticipating Education Exchange in Spring 2013
  - Large number of student experiences but none as yet which can be considered exchanges
Fall 2012 Exchange with PUCE S.D
Educational Partners in Ecuador

**University**
- Pontificia Universidad Catolica del Ecuador
- Universidad San Francisco de Quito
- Universidad Tecnica de Ambato

**Communities**
- Carlos Ruis Burneo
- Julio Jaramillo
- Tsa’chila communities
History of Partnership beyond Medicine

• The six UK health colleges have been engaged in work in Ecuador since 2001 primarily through health outreach

• In 2008 the College of Education began exploring opportunities to expand – to promote healthy people and communities – which includes education

• In 2010 the College of Design began collaboration

• Other collaborations being explored
Structure Built by College of Design
Education in Tsa’chila Communities

- Was one of the largest groups in Ecuador; now less than 700
- Live in 7 communities
- Schools in each community but only for elementary
- Children travel by bus to high school or stay with family member who lives in Santo Domingo
Tsa’chila
The Story Starts Like This.....

• 2009 - “What might we do to help your community?”
• Response “Help us continue the history and culture of the tribe – so that the children would not forget who they are, their history & language (Tsa’fiki)”
Collaboration Begins...

- To accomplish this goal we worked collaboratively with two programs in Ecuador – led by a linguist at Quito University and a videographer also from Quito in the development of a tri-lingual book (Tsa’fiki, Spanish, and English) which illustrates a native folk tale.

- In August 2009, a recorded workshop was conducted in the village - one of the elders told the story and community children illustrated it.
Footnote: The book we produced is really representative of only one of the seven tribal communities still remaining of a large population/culture. But limited funding prohibits the same opportunity for the other communities.

Junka merato, lukelari nantan fe sonba shujimantie, Wari shujiminan, shujiminan, lukelari bo'ebi enpo kaya i'to, shujine pode i'tuto, tsodimantie.

Esto ocurrió tantas veces, que el tigre se puso a correr a toda velocidad, de un lado a otro, hasta que de pronto la pata se le acalambró.

The tiger ran at full speed but suddenly he got a cramp in one of his legs.
Collaboration Continues ....

- Dissemination - 2010
- Development of instructional materials
- Community teacher workshop - May 2011
- Instructional support for the Tsa’chila teachers in their use
Abiding Lesson – Enjoy Life and Celebrate Our Commonalities and Our Differences!
Concluding Thoughts

• Global collaboration is challenging

• Interdisciplinary collaboration involves thinking beyond your own discipline

• Collaboration with global partners is worth the effort, time, and expense
Thanks!