

Shoulder to Shoulder Global: A Partnership for Change in Ecuador

Claudia Hopenhayn, MPH, PhD

Melody Ryan, PharmD, MPH

M. Lynn English, PT, MSED, DPT

Katherine McCormick, PhD

University of Kentucky
Lexington, KY



Shoulder to Shoulder Global
Ecuador



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



Shoulder to Shoulder Global
Ecuador



Overview of Shoulder to Shoulder Global

Ten Years of Development, Growing Pains and Looking Forward

Claudia Hopenhayn, MPH, PhD



Shoulder to Shoulder Global
Ecuador



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



Shoulder to Shoulder Global
Ecuador



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



Shoulder to Shoulder Global
Ecuador



Determinants of Health for the Individual





From the Beginning...

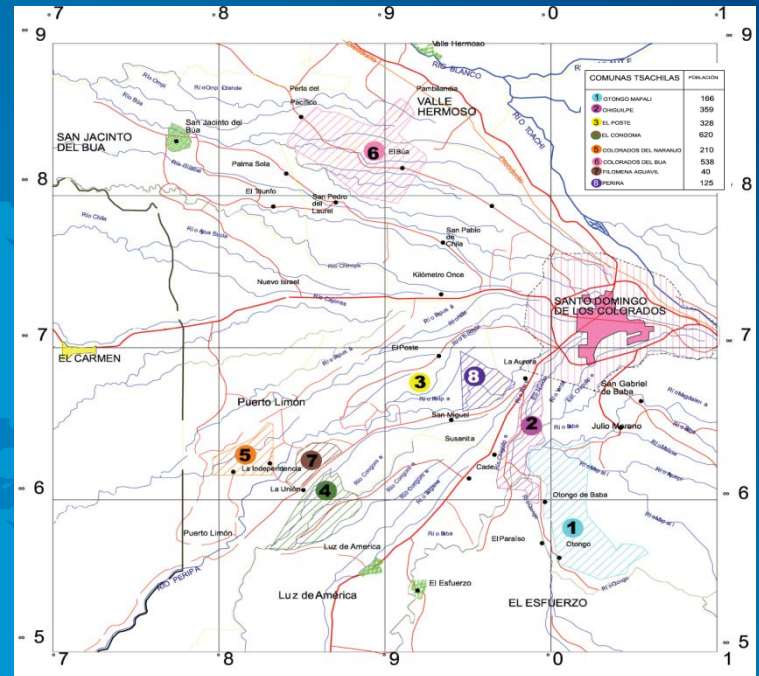
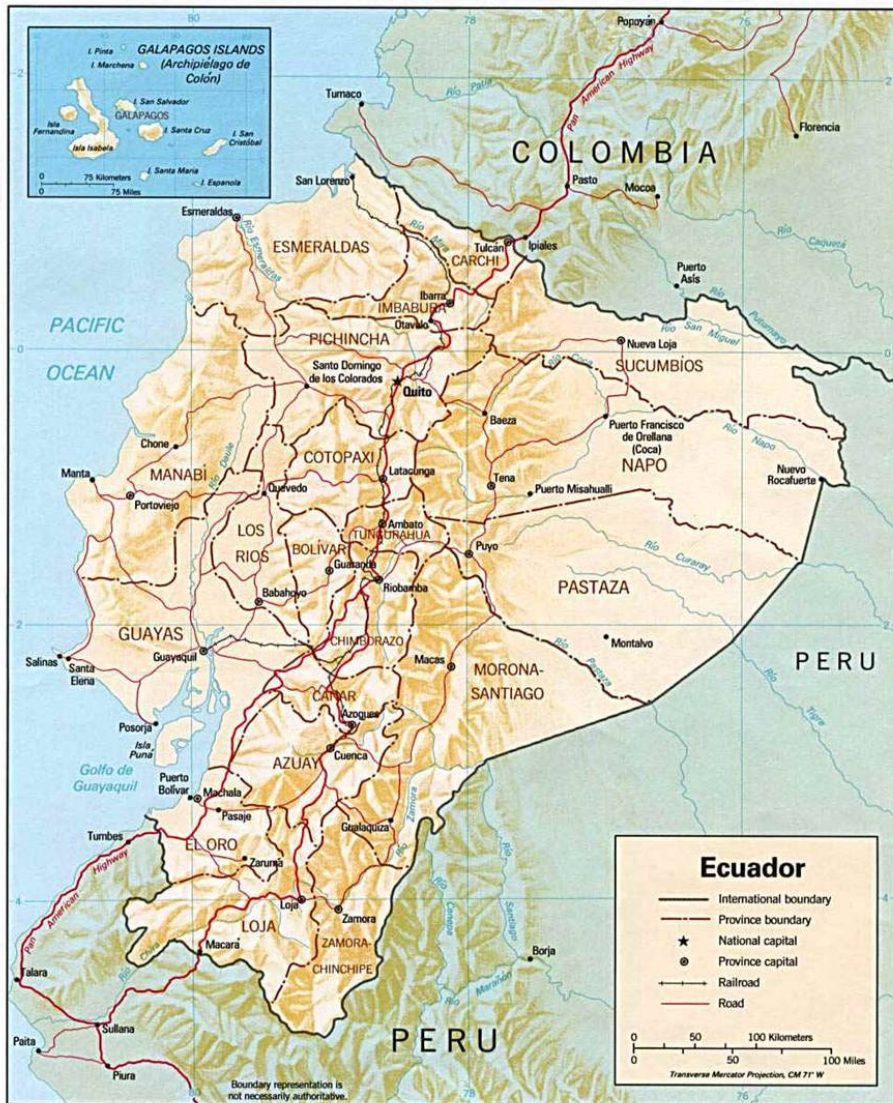
- Partners of the Americas: Kentucky-Ecuador
- Founder: Tom Young, MD
- First Partner: Leonardo Oviedo, MD
- Santo Domingo de los “Colorados”
- Investment of volunteer time
- From one-time-stop to a sustainable model
- From Pediatrics to multi-disciplinary
- From treatment to health



Shoulder to Shoulder Global
Ecuador

UK

Locations



UK





Shoulder to Shoulder Global
Ecuador

UK

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



Shoulder to Shoulder Global
Ecuador



Centro Medico Hombro a Hombro

- Staff
 - Providers
 - Nursing personnel
 - Administration
- Services
- Community outreach





Shoulder to Shoulder Global
Ecuador

UK

The Neighborhood



Homes



Sanitation

Latrine: 57%

Plumbing: 40%

Open field: 3%

Water

Piped: 33%

Wells: 65%

Residents per Home

≤ 3 ----- 24%

4-6 ----- 60%

7-9 ----- 14%

> 9 ----- 2.5%

Tsa'chila Communities



Shoulder to Shoulder Global
Ecuador

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



Shoulder to Shoulder Global
Ecuador



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



Shoulder to Shoulder Global
Ecuador



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



Shoulder to Shoulder Global
Ecuador



A stylized world map in a light blue color, centered on the Atlantic Ocean, set against a dark blue background.

Going There

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



Shoulder to Shoulder Global
Ecuador



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



Shoulder to Shoulder Global
Ecuador





Nursing



Medicine



Public Health



Dentistry



Shoulder to Shoulder Global
Ecuador

UK



Physical Therapy



Pharmacy



Interpreter



Shoulder to Shoulder Global
Ecuador

UK

Trainees 2008-2012

College	Number
Arts & Sciences (undergraduate)	49
Arts & Sciences (graduate)	2
Dentistry	13
Health Sciences	42
Medicine (students)	22
Medicine (residents)	40
Nursing	34
Pharmacy	18
Public Health	26
Total	246



Shoulder to Shoulder Global
Ecuador



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

College	Number
Health Sciences (physician assistants)	2
Medicine	5
Pharmacy	6
Public Health	1
Total	14



Shoulder to Shoulder Global
Ecuador

UK

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)



Shoulder to Shoulder Global
Ecuador



The Service Learning Effort Expands and Matures

Interprofessional Education
Sustaining Communication
Scholarship

M. Lynn English, PT, MSEd, DPT



Shoulder to Shoulder Global
Ecuador



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



Shoulder to Shoulder Global
Ecuador



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



Shoulder to Shoulder Global
Ecuador



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



Shoulder to Shoulder Global
Ecuador

UK

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





Shoulder to Shoulder Global
Ecuador

UK

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



Shoulder to Shoulder Global
Ecuador



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



Shoulder to Shoulder Global
Ecuador



STSG and Expansion of Partners across the University and in Ecuador

- Alternative Spring Break
- Student and Faculty Exchanges



©Sabrina Hounshell 2012



Shoulder to Shoulder Global
Ecuador



Alternative Spring Break

15 students



Alternative Spring Break 2012



Shoulder to Shoulder Global
Ecuador

©Sabrina Hounshell 2012

©Sabrina Hounshell 2012

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



Shoulder to Shoulder Global
Ecuador

UK

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



Shoulder to Shoulder Global
Ecuador





Julio Jaramillo



Shoulder to Shoulder Global
Ecuador

UK

Structure Built by College of Design



Shoulder to Shoulder Global
Ecuador

UK

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



Shoulder to Shoulder Global
Ecuador

UK

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)”



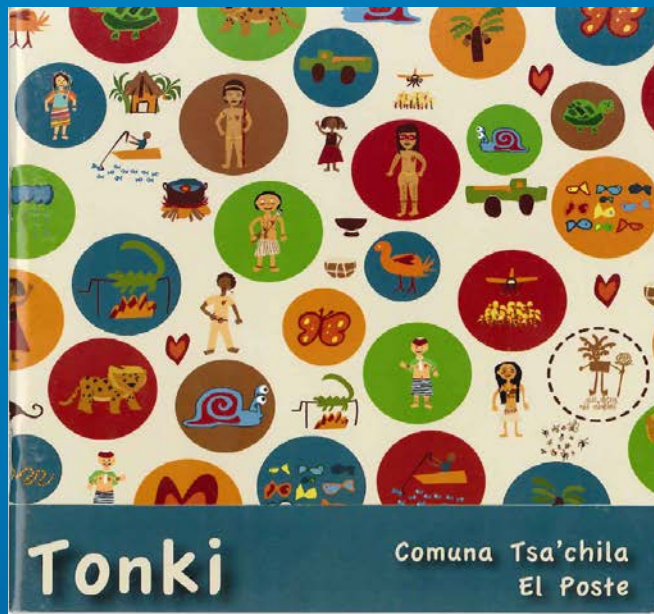
Shoulder to Shoulder Global
Ecuador

UK

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.



Shoulder to Shoulder Global
Ecuador

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!



Shoulder to Shoulder Global
Ecuador

UK

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**



Questions and Answers

<http://www.stsglobal.org>



Shoulder to Shoulder Global
Ecuador



Thanks!



Shoulder to Shoulder Global
Ecuador

UK