Tonight’s discussion

- Global Health
- Health Systems in Ecuador
- Health Issues in Ecuador
- Adolescent Health in Ecuador
- Your Role

Image credit: http://www.socialsuccessmastery.com/images/how-to-make-conversation-2.png
Ecuador Global Service Immersion

What are components of your immersion trip?

- Mutually beneficial outcomes
- Human connectedness
- Cultural sensitivity - Ecuadorian culture
- Humble and informed approach to international service
- Spanish language
- Ecuadorian health
  - Systems
  - Adolescent health and sex ed
  - Oral health
Global Health: Definition

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

Koplan et al. (2000)
Global Health: Interdisciplinary
Vanderbilt Institute for Global Health (VIGH)

Our mission:

To provide leadership in interdisciplinary education, research, service, and advocacy for health and development in resource-limited settings around the world.
Global Health Service Trips

- Embody cultural humility
- Bidirectional participatory relationships
- Build local capacity
- Create long-term sustainability
Ecuador

Image credit:
El Buen Vivir

Hierarchy

Balance of economic, cultural, social, and environmental issues

Inspiration for newest revisions in constitution

Quichua values

The importance of serving local needs

A development theory as well as a way of life

Opposes idea of natural capital
Health System

Image credit: http://1.bp.blogspot.com/-DUMBAIpXdR4/Tg4Vp4GZf5I/AAAAAAAAAIA/j_XdSQaQvk4/s1600/Ecuador%2Bhospital.jpg
Health Care Systems

Public
Free to all

Social Security
Pay into system through payroll deduction

Private
Expensive, utilized by middle- and upper-classes (~3%)
Background

2000
Primary Care as basis for health care

2007
President Rafael Correa

2008
New Constitution
“health is a right guaranteed by the State... the State shall guarantee this right through economic, social, cultural, and educational policies”

2014
Ranked 20th

Ranked 111 out of 211 countries in health care efficiency

http://www.jabfm.org/content/30/3/380.full
Health Care Potential

How does personal healthcare access and quality measure up against what is considered "best possible"?

Source: bit.ly/amenable-mortality

The Healthcare Access and Quality (HAQ) Index provides a summary measure of personal healthcare access and quality on a scale from 0 (lowest) to 100 (highest). This measure is based on risk-standardized mortality rates from causes that, in the presence of high-quality healthcare, should not result in death.

"Best possible" represents the highest personal healthcare and access achieved at a given level of development. The gap between the HAQ Index and "best possible" represents how much untapped potential exists for improving personal healthcare access and quality given a location's resources and development status.
Mental Health in Ecuador

Caja de herramientas de Salud Mental hacia el Buen Vivir

- Atención primaria en salud mental
- Fundamentos de la prevención en materia de drogas
- Guía de abordaje del tabaquismo en atención primaria de salud
- Manejo del estrés
- Manual de atención primaria en salud mental
- Violencia buen trato
- Ubicación de ambulatorio intensivos y CETAD para comunicación
- Guía de Salud Mental Comunitaria

http://www.salud.gob.ec/salud-mental/
Health Issues
What causes the most premature death?

<table>
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<tr>
<th>2005 Ranking</th>
<th>2016 Ranking</th>
<th>% Change 2005-2016</th>
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<tbody>
<tr>
<td>Lower respiratory infect</td>
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<tr>
<td>Neonatal preterm birth</td>
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<td>Road injuries</td>
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<td>Ischemic heart disease</td>
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<td>Interpersonal violence</td>
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<td>Nature disaster</td>
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<td>Self-harm</td>
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<tr>
<td>Neonatal encephalopathy</td>
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</table>

Top 10 causes of years of life lost (YLLs) in 2016 and percent change, 2005-2016, all ages, number
What risk factors drive the most death and disability combined?


Top 10 risks contributing to DALYs in 2016 and percent change, 2005-2016, all ages, number

<table>
<thead>
<tr>
<th>Risk Factor</th>
<th>2005 Ranking</th>
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<td>Malnutrition</td>
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<td>35.0%</td>
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<td>Alcohol &amp; drug use</td>
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<td>High body-mass index</td>
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<td>High fasting plasma glucose</td>
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<td>Dietary risks</td>
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<td>High blood pressure</td>
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<td>Occupational risks</td>
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<td>Impaired kidney function</td>
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<td>25.6%</td>
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<td>Air pollution</td>
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<td>Tobacco</td>
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<td>-15.7%</td>
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<td>High total cholesterol</td>
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<td>-36.0%</td>
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<td>Air pollution</td>
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Country Benchmarking of Burden of Disease

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<th>Road injury</th>
<th>Lower respiratory infections</th>
<th>Intestinal parasitic infections</th>
<th>Ischemic heart disease</th>
<th>Low back pain</th>
<th>Major depressive disorder</th>
<th>Iron-deficiency anemia</th>
<th>Stroke</th>
<th>Preterm birth complications</th>
<th>Diabetes</th>
<th>Congenital anomalies</th>
<th>Chronic kidney disease</th>
<th>Neck pain</th>
<th>COPD</th>
<th>Alcohol use disorders</th>
<th>Other musculoskeletal</th>
<th>Self-harm</th>
<th>Diarrheal diseases</th>
<th>Cirrhosis</th>
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Sustainable Development Goals

Institute for Health Metrics and Evaluation,
https://vizhub.healthdata.org/sdg/
Adolescent Health
Established *Servicios para atención diferenciada de adolescentes* (SADAs) in 2007.

New Guidelines for Comprehensive Care of Adolescent Health in 2009.

*Modelo de atención integral del sistema nacional de salud familiar comunitario e intercultural* (MAIS-FCI) in 2011.

http://www.jabfm.org/content/30/3/380.full
Family Planning Needs

**Target 3.7:** By 2030, ensure universal access to sexual and reproductive health-care services, including for family planning, information and education, and the integration of reproductive health into national strategies and programmes.

**Goal 3:** Ensure healthy lives and promote well-being for all at all ages.

*Institute for Health Metrics and Evaluation, [https://vizhub.healthdata.org/sdg/](https://vizhub.healthdata.org/sdg/)*
Adolescent Birth Rates

**Target 3.7:** By 2030, ensure universal access to sexual and reproductive health-care services, including for family planning, information and education, and the integration of reproductive health into national strategies and programmes.

**Goal 3:** Ensure healthy lives and promote well-being for all at all ages.

Implications of Health Issues
Your Role and Interactions

True or False:

➢ Doctors are highly esteemed.
➢ Patients ask a lot of questions.
➢ Significant use of spiritual and natural treatments.
➢ Homeopathic (natural) medicines require a prescription.
➢ Education is compulsory through age 18.
Questions??

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vumc.org/global-health

Image credit: https://lovelypuppets.ru/wp-content/uploads/2016/04/1601106585862147279aeaaa96466ea8f3f6f0e5c40.jpeg
Other Resources

http://www.who.int/gho/countries/ecu.pdf?ua=1


http://www.salud.gob.ec/

http://www.jabfm.org/content/30/3/380.full.pdf+html

https://vizhub.healthdata.org/sdg/

http://www.paho.org/ecu/