HARVARD – BRAZIL
COLLABORATIVE PUBLIC HEALTH FIELD COURSE

January 7th to 25th, 2013

Fortaleza, Ceará, Brazil

Host Institutions

Harvard School of Public Health (HSPH)

Univesidade Federal do Ceará (UFC)

Instituto da Primeira Infância (IPREDE)

David Rockefeller Center for Latin American Studies (DRCLAS)

Collaborating Institutions

Faculdade de Medicina da Universidade de São Paulo (FMUSP)

Faculdade de Ciências Médicas Santa Casa de Misericórdia de São Paulo (FCMSCSP)

Supporting Institutions

Banco do Nordeste (BNB)

CAPES (Coordenação de Aperfeiçoamento de Pessoal de Nível Superior

Fundação Maria Cecília Souto Vidigal (FMCSV)

Instituto Queiroz Jereissati (IQJ)

Harvard Global Health Institute (HGHI)

www.drclas.harvard.edu/brazil/publichealth-fortaleza-2013

COURSE OVERVIEW & OBJECTIVES

Sejam bem-vindos! This collaborative course is offered by the Harvard School of Public Health (HSPH), the Federal University of Ceará (UFC), and the Brazil Studies Program at Harvard University's David Rockefeller Center for Latin American Studies (DRCLAS). A Scientific Organizing Committee is responsible for the planning, review, and assessment of the course and is comprised of thirteen faculty members from the Harvard School of Public Health, the Universidade Federal do Ceará, the Faculdade de Ciências Médicas da Santa Casa de São Paulo, the Faculdade de Medicina da Universidade de São Paulo, and the Universidade Estadual do Ceará.

Bringing together exceptional individuals is core to the success of this course – a fact that is reflected in the primary focus on people in the pages of this packet. A rich set of required and optional readings selected by the course's faculty as well as all course lectures are available for download on the course website (www.drclas.harvard.edu/brazil/publichealth-fortaleza-2013). Through this initiative, we seek to strengthen existing collaborations and to foster new ones that create opportunities for joint learning and research during and after the course.

The overall objectives for this course are to enhance participants' abilities to:

- Critically analyze environmental and socioeconomic factors in Brazil that are associated with a high prevalence and geographic distribution of infectious diseases discussed in this course.
- Identify population characteristics, such as nutrition status, immunity, co-morbidities, degree of exposure associated with disease epidemiology and the impact of these factors on disease morbidity and mortality.
- Identify and describe selected infectious diseases that are prevalent in Brazil.
- Foster lasting academic collaborations and joint research projects between HSPH and Brazilian participants, strengthening personal networks throughout Brazil and internationally.
- Evaluate a comprehensive program implemented in Ceará that was crucial for reductions in infant and child mortality.

We are delighted to have such a distinguished group of students and faculty participating in this field course and we are tremendously grateful to the many individuals and institutions that have made this collaborative course possible.

Grande abraço,

Marcia C. Castro
Associate Professor of Demography, HSPH

Márcia Maria Tavares Machado
Adjunct Professor, UFC

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HOST AND COLLABORATING INSTITUTIONS

Harvard School of Public Health
Founded in 1922, the Harvard School of Public Health (HSPH) is one of Harvard University's twelve degree granting schools. Recognized for its leading public health research and education, its work encompasses not only the basic public health disciplines of biostatistics and epidemiology, environmental and occupational health, but also molecular biology, quantitative social sciences, policy and management, human rights, and health communications. The school offers Master's degrees in Public Health, Science and Occupational Health and doctoral degrees in Science (SD), Public Health (DPH) and Biostatistics (PhD) and Biological Sciences (PhD).

Harvard Medical School
Harvard Medical School (HMS) is the third oldest medical school in the United States and was founded in 1782. World renowned for its research and practice-based training, HMS is closely affiliated with a number of hospitals and research foundations including Brigham and Women's Hospital and the Dana-Farber Cancer Institute. Its doctoral degree programs (MD and PhD) in clinical medicine, basic sciences and the social sciences offer a diversity of training opportunities in disciplines as diverse as neurobiology, molecular genetics, systems biology, health care policy, and global health and social medicine.

Harvard University, David Rockefeller Center for Latin American Studies
Founded in 1994, Harvard's David Rockefeller Center for Latin American Studies (DRCLAS) works to increase knowledge of the cultures, economies, histories, environment, and contemporary affairs of past and present Latin America. The mission of the DRCLAS Brazil Studies Program in Cambridge and Brazil Office in São Paulo, which were established in 2006, is to enhance collaborative research among Harvard faculty and their Brazilian counterparts; encourage faculty engagement with Brazil and student participation in language programs, internships and research projects in Brazil; and provide a hospitable environment for Brazilians at Harvard and for Harvard scholars in Brazil.

Universidade Federal do Ceará
The Universidade Federal do Ceará (Federal University of Ceará or UFC) was established in 1954. UFC is an institution under the coordination of Brazil's Ministry of Education. Professors Jesualdo Pereira Farias and Henry de Holanda Campos currently serve as UFC's President and Vice President, respectively. The University's mission is to train professionals at the highest level of study, to generate and disseminate knowledge, and to preserve and to foster ethical, scientific, artistic and cultural principles, serving as a vital institution for the development of Ceará. Currently, UFC offers 119 undergraduate courses (110 classroom and nine distance courses) and 94 graduate-level courses. It is also engaged in more than 700 extension initiatives that benefit thousands of people across the state.

Faculdade de Ciências Médicas da Santa Casa de São Paulo
The Faculdade de Ciências Médicas da Santa Casa de São Paulo (FCMSCSP) is a medical school belonging to the Irmandade da Santa Casa de Misericórdia de São Paulo, a nonprofit organization that established the first hospital in the city of São Paulo in 1884 and that currently administers a network of 12 hospitals and several primary health care clinics throughout the metropolis. One of Brazil's leading medical schools, FCMSCSP offers undergraduate and graduate degrees in nursing, speech therapy and health sciences.

Faculdade de Medicina da Universidade de São Paulo
The Faculdade de Medicina da Universidade de São Paulo (FMUSP) is the medical school of the University of São Paulo (USP), one of the three public universities funded by the State of São Paulo. FMUSP, one of Brazil's top medical schools, provides training in occupational therapy, speech and language therapy and physical therapy. The Hospital das Clínicas is the institution's primary teaching hospital.

Instituto da Primeira Infância (IPREDE)
Founded in 1986, IPREDE (Institute for the Promotion of Nutrition and Human Development) is a non-governmental organization focused on promoting action to prevent child malnutrition. It has become a reference center in the North and Northeast regions of Brazil. IPREDE's mission is to promote the health of children, adolescents and their families, with an emphasis on nutrition, human development, and producing replicable social technologies. IPREDE's multidisciplinary team provides care on an individual basis and through group activities, early stimulation, and therapy. It has used and tested treatment protocols proposed by the World Health Organization (WHO) for malnourished children. IPREDE is comprised of the Centre of Excellence in Nutrition, Child Development, Adolescent Studies, and Research; the educational and industrial kitchen; and the computer laboratory.

COURSE LOCATION

Fortaleza, Ceará

Fortaleza (Fortress) is the state capital of Ceará, located in Northeastern Brazil. With a population of close to 2.3 million (3.4 million in the greater metropolitan area), Fortaleza is the 5th largest city in Brazil. It has an area of 313 km² (121 square miles) and the highest demographic density in the country (8,001 per km²). To the north of the city lies the Atlantic Ocean (see map on page 16). Residents of the city are known as *Fortalezenses*. The current mayor is Roberto Claudio, a physician who graduated from the UFC and earned a PhD in Public Health from Arizona University. Fortaleza is one of the three leading cities in the Northeast region together with Recife, Pernambuco and Salvador, Bahia. Fortaleza will be one of the host cities of the 2014 FIFA World Cup soccer championship that will be hosted by Brazil.

In the 1980s, socioeconomic indicators in Ceará were among the worst in the country. The infant mortality rate was approximately 100 per 1,000 live births; fewer than 30 percent of municipalities had a nurse; and essential health services reached only 20-40% of the population. In 1987 the state launched a program called *Viva Criança*, or Long Live the Child. Community health agents started to be recruited, trained, and deployed. By the early 1990s, health agents were visiting 850,000 families a month, the first public service to regularly reach nearly all local communities. The monthly family visits and family records improved oral rehydration therapy, breastfeeding, immunization, prenatal care, and growth monitoring—as well as treatment of pneumonia, diarrhea, and other diseases. By 2008 infant mortality was down to 28.6 per 1,000 live births in the state. In 1993, Ceará was awarded UNICEF's Maurice Pate Award for the success of the *Viva Criança* program. It was the first time that a country in South America earned the award in its 27-year history. During this Harvard-Brazil collaborative field course, students will learn about the *Viva Criança* program directly from the people who participated in its planning, implementation, and evaluation.

LECTURES

The following course lectures will be held on-site at IPREDE. Each session will be 1 hour 45 minutes long, with 45 minutes allotted for the lecture and the remaining time reserved for questions and group discussion. The objectives, key questions, and readings will be determined by each lecturer. Please see the course website to download all materials.

- **Lecture #1.** Building Background: Infectious Diseases Epidemiology Brazil and Ceará (Anastácio Sousa)
- **Lecture #2.** Building Background: Brazilian Unified Health System and Family Health Program (Maria Amélia Veras)
- **Lecture #3.** Building Tools: Human Rights Approach (Sofia Gruskin)
- **Lecture #4.** Building Tools: Multidisciplinary Analysis in Public Health (Marcia Castro)
- **Lecture #5.** Building Specialized Knowledge: HIV (Aluísio Segurado)
- **Lecture #6.** Building Specialized Knowledge: Leprosy (Jorg Heukelbach, Carlos Henrique Alencar)
- **Lecture #7**. Building Specialized Knowledge: Tuberculosis (Jamie Maguire)
- **Lecture #8.** Building Specialized Knowledge: Leishmaniasis (John David)
- **Lecture #9.** Building Background: Spatio-Temporal Trends in Infant Mortality in Brazil (Marcia Castro)
- **Lecture #10.** Building Specialized Knowledge: Maternal & Child Health and Nutrition (Márcia Machado and Maria Francisca "Tati" Andrade)

SITE VISITS IN FORTALEZA

During the first week of the course, there will be six off-site visits in Fortaleza and one in the municipality of Eusébio. Following are brief descriptions and objectives for each site visit.

São José Hospital of Infectious Diseases
Founded in 1970, São José hospital is part of Brazil's Unified Health System (SUS). São José has more than 700 employees and a patient bed capacity of 115. It serves as reference a reference hospital for infectious diseases in the state of Ceará. Accredited by the Ministries of Health and Education, São José is a teaching hospital that offers residency in infectious diseases.

> **Site Visit Objective:** To discuss the most prevalent infectious diseases in Fortaleza and the difficulties in health care delivery, diagnosis, and patients' adherence to treatment. Special attention will be given to leishmaniasis, HIV/AIDS, and tuberculosis.

Dona Libânia Dermatological Center (CDERM)
Founded in 1974, Dona Libânia Health Unit provided care for patients with tuberculosis and leprosy, and offered vaccination services. In 1996 the Center was renamed Dona Libânia Dermatological Center (CDDL), becoming the reference center in the state of Ceará for dermatological services. In 2001, it became a national reference center for dermatological services, and was renamed Dona Libânia Center of National Reference in Sanitary Dermatology (CDERM). The Center provides health care, is a teaching unit, and also carries out dermatological research. Every year it provides approximately 180,000 routine procedures, including general and specialized consultations in dermatology, leprosy assistance, surgical procedures, physiotherapy, disabilities prevention, and laboratory procedures. With regards to leprosy, CDERM provides assistance to 80% of the cases from Fortaleza, and notifies more than 600 new cases annually.

> **Site Visit Objective:** To discuss the determinants of leprosy in Fortaleza, and the difficulties in diagnosis, treatment, and service delivery.

Human Milk Bank at Fortaleza General Hospital
The Fortaleza General Hospital is a reference tertiary care hospital in the State of Ceará. In 2012, the hospital inaugurated a modern human milk bank (HMB). HMBs conduct human milk collection, selection, classification, processing, pasteurization, quality control, storage, and distribution as prescribed. Brazil has 212 milk banks, 8 located in Ceará. In 2011, 3,525 nursing mothers donated milk in Ceará, benefiting 5,006 newborns in the state.

> **Site Visit Objective:** To discuss the challenges of the many steps comprising the routine protocol in a milk bank, and the importance of the service for child health.

Frei Tito Primary Health Care Clinic

Frei Tito Primary Health Care Clinic is a family health center that provides primary care according to the national Family Health Strategy, which is aligned with the Unified Health System (SUS). The health unit has Family Health Strategy teams comprised of doctors, nurses, dentists, and community health workers. It also has a nucleus to support family health (NASF), formed by other professionals, such as physical therapists, physical educators, occupational therapists, and nutritionists.

> **Site Visit Objective:** To discuss the routine in a Family Health Program (PSF) unit in a low income area in Fortaleza, and the difficulties in data management, patient follow-up, demand for services, and personnel.

Community Mental Health Movement (MSMC) - Bom Jardim

The Community Mental Health Movement began its work in Bom Jardim in 1996, as part of the journey of the Camboni Missionaries who were present in the region since 1987. Its mission is to promote holistic human health by respecting each person's bio-psycho-social-spiritual dimensions and by fostering each person's potential through the reclaiming of human and cultural values. MSMC's focus on the quality of personal, interpersonal, and community relationships promotes the gift of life. It offers various educational programs that are based on the systemic community approach, which is grounded in co-responsibility, autonomy and the valuing of one's self, of others, and of the community. Courses offered include: systemic community approach, community therapy, drug dependency prevention and mental health, among others. MSMC also offers educational projects in partnership with institutions in the areas of health, education and social development. Since 1997 MSMC has been a hub for community therapy. Since 2004, it has been a member of the Community Therapy Association of Brazil.

> **Site Visit Objective:** To discuss a holistic program on mental health implemented in one of the most disadvantaged neighborhoods in Fortaleza, the difficulties in reaching out to the community, and the positive impacts the program has had since it was launched.

Adolescent Health Agent Project - Eusébio

Health agents at the Center in Eusébio focus on improving the level of knowledge, attitudes and practices of adolescents and youth in public schools who participate in the Prevention and Health at School Program (SPE - Saúde e Prevenção na Escola) and the Health at School Program (PSE - Programa Saúde na Escola). They foster health promotion, disease prevention and reducing vulnerabilities; encourage schools to develop regular activities to promote health, prevent disease and reduce vulnerabilities of adolescents and youth; encourage primary care units to plan and carry out activities to promote health, prevent disease and reduce vulnerabilities of adolescents and youth; encourage families to participate in activities related to youth and adolescents in school and at the health unit; work to increase the number of youth and adolescents who seek advice and treatment at the health unit; promote the accessibility and ongoing distribution of condoms in school; and contribute to the reduction in the number of youth and teenage pregnancies in the county. A youth space at the Center helps assemble teenagers and community representatives and leaders and mobilize families, teachers and policy makers on issues and priorities for adolescents. The Center supports volunteer activities that strengthen youth leadership in the community, including theater groups, music, reading clubs, art workshops, social activism and more.

> **Site Visit Objective:** To discuss an initiative that involves adolescents to provide varied health information, including prevention of HIV/AIDS and other STDs, drug use, violence, sexuality, and prevention of youth and teen pregnancy. Students will also observe some of the community activities implemented by the project.

Institute for the Promotion of Nutrition and Human Development (IPREDE)

Founded in 1986, IPREDE (Institute for the Promotion of Nutrition and Human Development) is a non-governmental organization focused on promoting action to prevent child malnutrition. IPREDE's mission is to promote the health of children, adolescents and their families, with an emphasis on nutrition, human development, and producing replicable social technologies IPREDE provides health services and social assistance to children, teenagers and their families, promoting the strengthening family skills, bonds of affection and self-esteem, as much as education, research, and the spread of technical-scientific

knowledge. IPREDE delivers its services through an interdisciplinary team of professionals, including pediatricians, nurses, nutritionists, social workers, occupational therapists, physiotherapists, pharmacists, psychologists, speech therapists, gynecologists, neurologists, endocrinologists, teachers, psychiatrists, sociologists, and physical educators. IPREDE has saved many lives, assisted more than 25,000 children, and provided more than 600,000 treatments. Approximately 1,200 children come to IPREDE for treatment on a monthly basis.

Site Visit Objective: To discuss comprehensive initiatives to improve early childhood health (as well as the difficulties of implementation); to observe these activities and listen to mothers who have benefited from IPREDE's work.

Site Visit Groups

To facilitate organization and coordination, each student has been pre-assigned to a specific group. The listing of each ten-member group is summarized below.

First Name	Last Name	From	Site Visit Group
Bruna	Tourinho	Brazil	Group A
Carolina	Castro	Brazil	Group A
Cássio	Papa	Brazil	Group A
Claire	Watt	Harvard	Group A
Cristiane	Pingarilho	Brazil	Group A
Genna	Panucci	Harvard	Group A
James	Potter	Harvard	Group A
Jordan	Glicksman	Harvard	Group A
Laura	Vaughan	Harvard	Group A
Monica	Libório	Brazil	Group A
Bruno	Benevides	Brazil	Group B
Corey	Peak	Harvard	Group B
Fabricio	Bezerra	Brazil	Group B
Hermano	Rocha	Brazil	Group B
Lindsay	Bouton	Harvard	Group B
Megan	Srinivas	Harvard	Group B
Pedro	Folegatti	Brazil	Group B
Priscila	Souza	Brazil	Group B
Sarah	Raifman	Harvard	Group B
Syed	Mahmood	Harvard	Group B
Liza	Uchimura	Brazil	Group C
Ludmila	Naud	Brazil	Group C
Manoj	Easaw	Harvard	Group C
Mauricy	Santos	Brazil	Group C
Nora	McCormick	Harvard	Group C
Raquel	Gonçalves	Brazil	Group C
Tara	Banani	Harvard	Group C
Tatiana	Batista	Brazil	Group C
Todd	Oakland	Harvard	Group C
Warda	Toma	Harvard	Group C

GROUP FIELDWORK PROJECTS

Objectives:

- Define a question that needs to be answered in order to control or reduce the burden from the specific disease that the group is addressing.
- Develop a feasible research proposal that would help to answer this question.
- Review the necessary data from electronic databases, published literature, discussions with local researchers, staff, residents, and others to develop a research proposal.
- Draw on the diverse backgrounds of students in the group, who will bring different skills and experiences to the project.
- Present the proposal to the local community (may include clinic staff, community health workers, residents, and/or others).
- Present the final proposal to the entire class (and others from IPREDE, UFC and elsewhere) at the end of the course.

Proposals:

- Innovative; in some instances the team may use the course project to further develop one aspect of an existing project;
- Feasible;
- Draw on past research/control efforts (why were past efforts unsuccessful?);
- Will inform policy decisions or public health decisions;
- Will improve control of the disease or improve the health of local population;
- Tailored to local community;
- Take advantage of expertise of all;
- Utilize appropriate research methodologies;
- OK to have >1 part of proposal (or one main subpart);
- Fundable (there may be opportunities to apply for funding to carry out these projects in the future);
- Can be completed in a reasonable timeframe (e.g. a research question that you could answer in approximately one year, although it can draw on past data from many years).

Local Presentation: (approximately 1 hour and 30 minutes)

- Decide who stakeholders are (local community, researchers, etc.) and decide on specific time and place for presentation of ideas to them for discussion – this should be done during the early part of the week so that the place can be reserved and invitations can be extended;
- Depending on the target audience, it may be more appropriate to conduct the presentation in Portuguese;
- Plan on a 30-minute presentation that includes breadth/depth of information appropriate for your chosen audience;
- Allow approximately 1 hour for discussion and feedback from the audience (you may want to come up with some discussion questions);
- Describe feedback received in presentation (and indicate who has given feedback).

Final course presentation and report: (1 hour and 15 minutes)

- Approximately 30 minutes for presentation and 45 minutes for discussion (1 hour and 15 minutes total);
- Statement of research intent of approximately 3-5 pages including a research question, background, specific aims, significance, data and methods, research plan, and references (references are not included in the 3-page limit);
- Describe role of each student member of team in the project;
- Reflect upon feedback received during local presentation;
- Deliver electronic copy of presentation on day of presentation;
- Include acknowledgments;
- Jointly present – those who do not formally present the group presentation must participate during discussion session;
- Final presentations will be on Tuesday, January 22nd starting at 8:45 a.m. in this order:
    - HIV/AIDS
    - Leishmaniasis
    - Leprosy
    - Maternal and Child Health
    - Tuberculosis

Proposed Final Report Format:

Cover Page: (1 page)

Title of the project
Team members

Acknowledgments: (1 page)

Statement of research: (3-5 pages)

Include the following sections:

- Background
  - Briefly sketch the background leading to the proposal, evaluate existing knowledge, and identify the gaps that the project is intended to fill.
- Specific aims
  - List the broad, long-term objectives and the goal of the specific research proposed (e.g. test a stated hypothesis, create a novel design, solve a specific problem, challenge an existing paradigm or clinical practice, address a critical barrier to progress in the field, or develop new technology).
- Significance
  - State the importance and health relevance of the research proposed; how scientific knowledge or clinical practice will be advanced.
- Data
  - Describe what data will be used in the proposed research (e.g. secondary data, new survey and how will be collected, qualitative/quantitative/ mixed).
- Research Plan
  - Describe the research design conceptual or clinical framework procedures, and analysis to be used to accomplish the specific aims of the project; how the data will be analyzed and interpreted; how the information will reach policy makers (translational of knowledge). Discuss potential difficulties and limitations of the proposed procedures and alternative approaches to achieve the aims.

References: (No page limit)

Role of students: (1 page)

- Describe role of each student member of team in the project development.

Appendix: (As appropriate)

Groups for Fieldwork Projects:

HIV/AIDS

Aluísio Segurado & Maria Amélia Veras

Cassio Papa	Brazil
Fabrício Bezerra	Brazil
Laura Vaughan	Harvard
Liza Uchimura	Brazil
Syed K. Mahmood	Harvard
Tara Banani	Harvard

LEPROSY

Jaqueline Caracas, Carlos Henrique Alencar & Jorg Heukelbach

Carolina Castro	Brazil
Claire Watt	Harvard
Corey Peak	Harvard
Manoj Easaw	Harvard
Priscila Souza	Brazil
Tatiana Batista	Brazil

TUBERCULOSIS

Jamie Maguire, Monica Façanha & Roberto da Justa Pires Neto

Bruno Benevides	Brazil
Genna Panucci	Harvard
Mariana Libório	Brazil
Mauricy Santos	Brazil
Megan Srinivas	Harvard
Todd Oakland	Harvard

LEISHMANIASIS

John David & José Wellington

Bruna Tourinho	Brazil
Jordan Glicksman	Harvard
Lindsay Bouton	Harvard
Nora McCormick	Harvard
Pedro Folegatti	Brazil
Raquel Gonçales	Brazil

MATERNAL & CHILD HEALTH /NUTRITION

Álvaro Jorge Madeiro Leite, Luciano Correia, Marcia Castro & Márcia Machado

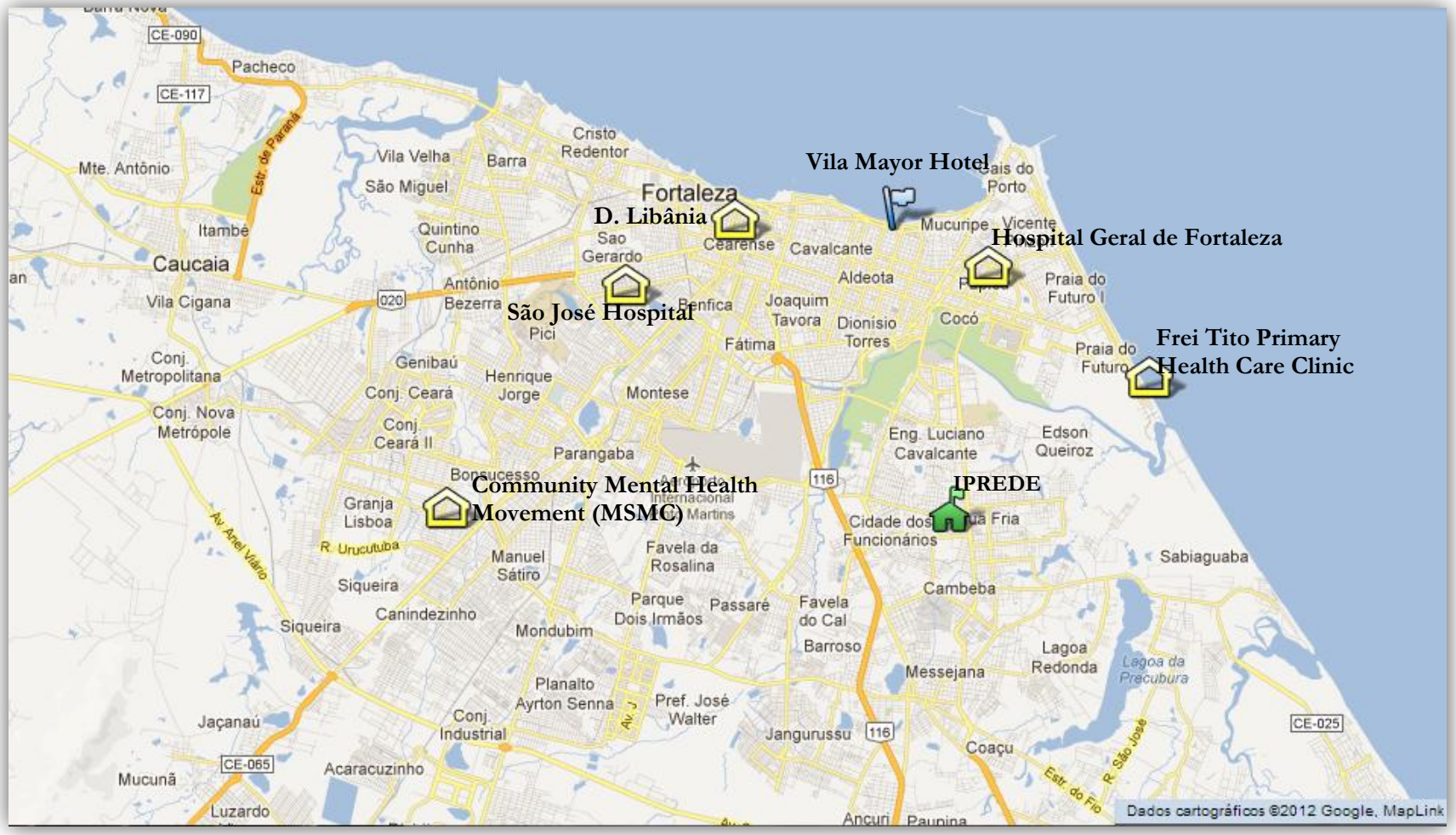
Cristiane Pingarilho	Brazil
Hermano Rocha	Brazil
James Potter	Harvard
Ludmila Naud	Brazil
Sarah Raifman	Harvard
Warda Toma	Harvard

MAP OF BRAZIL AND COURSE LOCATION

Map of Brazil and Location of Course Field Sites:

Course map at: http://goo.gl/maps/hRTMr

Map of Key Site Locations in Fortaleza



Key Summary Indicators about Brazil:

- Population (2010 Census): 190,732,694 (estimated at 199,321,413 in July 2012)
- Life Expectancy at Birth (2012 est.): 73.48 years (69.73 males; 77.32 females)
- Total Fertility Rate (2012 est.): 1.90 children born/woman
- Infant Mortality Rate (2012 est.): 15.6 deaths/1,000 live births
- Urban population (2010): 87% of the total population
- GDP – Purchasing Power Parity (2011 est.): $2.294 trillion (8th highest in the world)
- GDP Composition by Sector (2011 est.): agriculture 5.5%; industry 27.5%; services 67%
- Labor Force by Occupation (2003 est.): agriculture 20%; industry 14%; service 66%
- Unemployment rate (2011 est.): 6%
- Population below poverty line (2009 est.): 21.4%
- Religions: Roman Catholic (nominal) 64.6%, Protestant 22.4%, Spiritualist 2.0%, Bantu/voodoo 0.3%, other 2.7%, unspecified 0.1%, none 8.0% (2010 census)
- Ethnic Groups: white 47.7%, mulatto (mixed white and black) 43.1%, black 7.6%, other (includes Japanese, Arab, Amerindian) 0.9%, unspecified 0.7% (2010 census)

Sources:
CIA Factbook, https://www.cia.gov/library/publications/the-world-factbook/geos/br.html
Brazil Institute of Geography and Statistics - IBGE, www.ibge.gov.br

SCIENTIFIC ORGANIZING COMMITTE

A Scientific Organizing Committee is responsible for the planning, review, and assessment of the 5th Harvard-Brazil Collaborative Public Health Field Course. The committee is composed of thirteen faculty members from the Harvard School of Public Health, Universidade Federal do Ceará, Universidade Estadual do Ceará, Faculdade de Ciências Médicas da Santa Casa de São Paulo, Faculdade de Medicina da Universidade de São Paulo, IPREDE and the Student Programs Coordinator from Harvard's DRCLAS Brazil Office. The scientific organizing committee is structured to ensure representation of both the academic disciplines and institutions that have been critical to the development of the course.

Marcia C. Castro
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Full Professor in the Department of Infectious and Parasitic Diseases in the School of Medicine at the University of São Paulo, FMUSP

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Professor, Department of Pediatrics, Federal University of Ceará, UFC

Anastácio de Queiroz Sousa
Adjunct professor and Coordinator of Tropical Medicine, Federal University of Ceará, UFC

Francisco Herlânio Costa Carvalho
Adjunct Professor, Department of Maternal and Child Health and Community Health, Federal University of Ceará, UFC

Francisco Sulivan Bastos Mota
President, Instituto da Primeira Infância, IPREDE

John R. David
Richard Pearson Strong Professor of Tropical Public Health, Emeritus, Department of Immunology and Infectious Diseases, HSPH

José Wellington de Oliveira Lima
Adjunct Professor of Epidemiology, State University of Ceará, UECE

Maria Amélia de Sousa Mascenas Veras
Adjunct Professor of Social Medicine, School of Medical Sciences, Santa Casa de São Paulo, FCMSCSP

Marina de Moura
Student Programs Coordinator, Brazil Office, David Rockefeller Center for Latin American Studies, Harvard University, DRCLAS

Mônica Cardoso Façanha
Associate Professor, Head of Community Health Department, Federal University of Ceará, UFC

Roberto da Justa Pires Neto
Adjunct Professor of Community Health, Federal University of Ceará, UFC

COLLABORATING FACULTY

(Alphabetical by first name)

Carlos Henrique Alencar
Professor at the Department of Community Health, Federal University of Ceará, UFC

Jaqueline Caracas Barbosa
Professor at Postgraduate Program in Public Health at Department of Community Health, Federal University of Ceará, UFC

James Maguire
Professor of Medicine at Harvard Medical School and Senior Physician at Brigham and Women's Hospital in the Division of Infectious Disease, HSPH

John R. David
Richard Pearson Strong Professor of Tropical Public Health, Emeritus, Department of Immunology and Infectious Diseases, HSPH

Jorg Heukelbach
Professor at the Department of Community Health, Federal University of Ceará, UFC

Maria Francisca Andrade
Programme Specialist, United Nations Children's Fund, UNICEF

Sofia Gruskin
Adjunct Professor of Global Health Harvard School of Public Health, HSPH

TEACHING ASSISTANT

Annie Kearns
Master's candidate, Department of Global Health and Population, Harvard School of Public Health, HSPH

SYMPOSIUM SPEAKERS

(Alphabetical by first name)

Álvaro Jorge Madeiro Leite
Full Professor at the Federal University of Ceará, UFC

Anamaria Cavalcante e Silva
Professor and Researcher at University Centre Christus, UNICHRISTUS, and at the State University of Ceará, UECE

Antônio Carlile Holanda Lavor
Executive Director of Fundação Oswaldo Cruz, Ceará, FIOCRUZ

Antonio José Ledo Alves Cunha
Full professor of the Department of Pediatrics of the Faculty of Medicine of Federal University of Rio de Janeiro, UFRJ

Francisco Sulivan Bastos Mota
President, Instituto da Primeira Infância, IPREDE

Luciano Lima Correia
Associate Professor of Epidemiology & Biostatistics, Federal University of Ceará, UFC

Marly Augusto Cardoso
Associate Professor of Nutritional Epidemiology, University of São Paulo, School of Public Health, USP

Ottorino Bonvini
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Aluísio C. Segurado
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Aluísio C. Segurado is a full professor in the Department of Infectious and Parasitic Diseases in the School of Medicine at the University of São Paulo. He was a visiting research fellow in the Program of International Health and Human Rights at the Harvard School of Public Health in 2008. After graduating in medicine from the University of São Paulo, Brazil, he completed his Master's in Science and PhD. degrees in Infectious Diseases from the same institution in 1991 and 1994. His research focuses on human retroviral infections (HIV/AIDS and HTLV) with particular interests in understanding the vulnerability of different population groups to viral acquisition, as well as to disease progression and response to care interventions. Dr. Segurado's academic activities are inter-disciplinary and encompass the fields of molecular virology, clinical medicine and public health. His international experience includes acting as visiting scientist at the Centers for Disease Control and Prevention, in Atlanta, Georgia, as technical "ad hoc" advisor to the WHO, as well as previous academic research visits to Japan, France and the United States.

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Álvaro graduated in medicine from the Universidade Federal de Alagoas (1982), MSc in Epidemiology - Epidemiology Clinical Modality Escola Paulista de Medicina, Universidade Federal de São Paulo (1996), and PhD in Pediatrics, School of Medicine, Federal University of São Paulo (2000). He has experience in the area of Medicine with an emphasis in Pediatrics, acting on the following topics: perinatal and neonatal mortality, infant mortality, respiratory disease of childhood, child development and medical education. More recently, he has devoted himself to study the field of Medical Humanities, which means a broad interest by humanistic content that must be present in the teaching-learning strategies and the connections between the patient-centered clinical method and teaching skills communication.

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Anamaria has a degree in medicine from Federal University of Ceará (1972), masters in Community Health from Federal University of Ceará (1998) and PhD in Pediatrics from University of São Paulo (2003). She is currently an advisor to the Family Health Association of São Paulo / SP; Professor and Researcher at University Centre Christus (UNICHRISTUS); Professor of the Master of Health of Children and Adolescents at the State University of Ceará (UECE); Member of the Brazilian of Medical Schools Association (ABEM), the Brazilian Society of Pediatrics and Director of Pediatric Society Cearense. Most recently, she has focused on children's health and municipal health systems.

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Carlile was born in Jucás, Ceará in 1940 and has a degree in medicine. Dr. Lavor began his career at the Microbiology clinic of the Institute of Preventive Medicine at the UFC. He also taught at the School of Medicine from 1969 to 1978 at the University of Brasilia (UNB), where he worked participated in the development of the Community Health Agent program. .He began work in public health in 1979 at the Ceará State Health Department, where he devoted himself to the development of the National Health System of Ceará - SUS. In 1987, he became the Health Secretary of the state, where he developed a large-scale, primary health program with employed 6,000 women as community health agents. Dr. Lavor is currently involved in establishing a branch of the Oswaldo Cruz Foundation in Ceará. His first task was the development of Family Health Outreach Master's degree program, which has 100 students working in five universities in the Brazil's northeastern states.

Antonio José Ledo Alves Cunha
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Antonio José Ledo Alves da Cunha is a graduate in medicine from UFRJ (1979), specialist (Residency) in Pediatrics (1982) by the Institute of Pediatrics Martagão Gesteira (IPPMG), of which he was Director (2002-2006). Specialist (Fellowship) in Clinical Epidemiology (1982) and Master in Public Health (1992) from the University of North Carolina; Hospital-management specialist by the National School of Public Health, Oswaldo Cruz Foundation (2005); Master of Medicine (Pediatrics) UFRJ (1989), and PhD in Epidemiology from the University of North Carolina (1996). He is currently full professor of the Department of Pediatrics of the Faculty of Medicine of UFRJ, of which he was also the Director (2006-2011). Has experience in the field of Medicine, with emphasis on maternal and child health, working mainly with Childhood Illnesses, Acute Respiratory Infections, Asthma, Tuberculosis, and Primary Care in infancy, Health Service Evaluation in children's health.

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Anastácio graduated in medicine from the Universidade Federal do Ceará (1976). He holds a PhD in Pharmacology from the Federal University of Ceará (2009), and completed his Residency in Internal Medicine at the Federal University of Ceará, with Fellowship in Geographic Medicine/Tropical Medicine from the University of Virginia in Charlottesville and Fellowship in Infectious Diseases at the University of Miami in the U.S. He is currently an adjunct professor I, Federal University of Ceará; Coordinator of Tropical Medicine, Federal University of Ceará; Chief Editor of the Brazilian Journal of Infectious Diseases; and committee member of the Ministry of Health and Medical Health Department of the State of Ceará, supervising their activities in São José Hospital of Infectious Diseases. He has experience in the area of Medicine with interest in Clinical Medicine and Public Health, with an emphasis on Infectious Diseases/Tropical Medicine, acting on the following topics: Leishmaniasis, Chagas Disease, Neurocysticercosis, Melioidosis, AIDS.

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Annie will graduate in May with a Master's degree from the Department of Global Health and Population at Harvard School of Public Health, where she is also concentrating in Maternal and Child Health. Before coming to Harvard, she spent two years working with the Academy for Educational Development compiling newsletters for health care workers around the world. She spent last summer in Sao Paulo, Brazil, working on a longitudinal study looking at socioeconomic indicators for breastfeeding habits in a cohort of Amazonian children. After graduation, Annie is interested in pursuing a career developing and implementing global maternal health programs, particularly related to early childhood nutrition and access to prenatal care. She also holds a Bachelor of Science in Human Biology, Health, and Society from Cornell University.

Bruna Tourinho
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Bruna graduated in with a degree in Pharmacy (2004) before specializing in Hospital Pharmacy and Health Services (2007) and Microregion Management (2012). She has worked in public health since 2008, currently at the Minas Gerais State Department of Health where she coordinates activities related to human visceral leishmaniasis surveillance and control. She also coordinates the management and distribution of drugs and immunobiologicals used for surveillance and control of Chagas disease, rabies, accidents caused by poisonous animals, malaria and cutaneous leishmaniasis. Her interest areas include the epidemiologic, control and surveillance aspects of human visceral leishmaniasis, in addition to evaluation of drug treatment in reducing death-rates as well as evolution of clinical improvement for patients with this disease.

Bruno Souza Benevides
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Bruno is a PhD candidate at the Community Health program at the State University of Ceará (UECE). He lives in Fortaleza, working as a family doctor in the metropolitan area and as a professor at the State University of Ceará (UECE) and the University of Fortaleza (UNIFOR). He graduated in medicine in 2004 at the Federal University of Ceará (UFC) and completed his residency in Family Medicine at the Municipal School of Health in Fortaleza. He also specializes in geriatrics, occupational medicine and acupuncture, and received his Master's in Public Health from UECE. He now works with vector-transmitted diseases in the urban areas, specifically dengue. His research group is a partner of the IDAMS Project, coordinated by the European Union.

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Carlos Alencar is Professor at the Department of Community Health, Federal University of Ceará in northeast Brazil, he is graduated in Biological Sciences in the State University of Ceará (2001), Specialization in Epidemiological Surveillance by the School of Public Health of the State of Ceará (2006), Master's Degree in Public Health from the Federal University of Ceará (2008), Doctorate in Public Health Association for Comprehensive IES-UECE/UFC/UNIFOR (2011) and Postdoctoral the Swiss Tropical Institute of Public Health - Swiss Tropical and Public Health Institute (2012). Collegiate member of the Graduate Program in Public Health (Academic Masters in Public Health) Epidemiology Area of Concentration (2012), working in the disciplines of Health Informatics and Health Methods and Techniques (emphasis on quantitative analysis) and support students in the use of statistical analysis software. Member of research group that operates in the country in developing the methodology for conducting operational research in the country since 2009 in leprosy control. He has experience in Public Health with emphasis in epidemiology and control of infectious and parasitic processes (focus on dengue, leprosy, Chagas disease, schistosomiasis and ectoparasites), epidemiological methods, spatial data analysis in health, biostatistics and operational health research.

Carolina Cruz Murta de Castro
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Carolina was born in Cataguases, Minas Gerais, and was raised in the city of Santos, São Paulo. She graduated in Veterinary Medicine from the Metropolitan University of Santos (UNIMES) in 2001. She then pursued internships at the São Paulo Biological Institute (Tuberculosis Laboratory, Bovine Viruses Laboratory and Reproductive Bacterial Diseases Laboratory), EMBRAPA Dairy Cattle and Federal University of Viçosa, where she completed her master's degree in Preventive Veterinary Medicine (Immunoparasitology) in 2005. In 2006 she started to work as a professor at UNIMES University, teaching Veterinary Epidemiology, Parasitic Diseases in Domestic Animals and Veterinary Parasitology. Carolina is a member of the Municipal Council for the Protection of Animals in Santos (COMVIDA) and gives lectures on "Zoonosis and Responsible Pet Ownership" for public school teachers and students. She is currently a PhD candidate in Department of Community Health at the Federal University of São Paulo, (UNIFESP) where she is evaluating the inclusion of veterinarians in Public Health Systems in the municipalities of the metropolitan region of Santos, aiming to comply with the objectives of the "One Health Initiative" which aims to improve animal and human health by promoting collaboration between all health sciences. After completing her PhD, she intends to pursue a postdoc in Public Health abroad. She wishes to work in the Family Health Program of the Brazilian government as a veterinarian and to become a faculty member at a public university in Brazil.

Cássio Henrique Gomide Papa
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Cassio is currently in a residency at the School of Psychiatric Medical Sciences at the Santa Casa de São Paulo Hospital. He received a medical degree from School of Medical Sciences of Santa Casa de São Paulo in 2010. As a student he collaborated with public health research, working as an interviewer in population health surveys. In 2009, he received a scholarship from the São Paulo Research Foundation (FAPESP) to work with partner notification of patients with sexually transmitted infections. After graduating he worked as a doctor in the Navy in the state of Amazonas to provide medical assistance to the population living in remote communities in areas close to rivers. These experiences have contributed to an increased interest in public health issues. He plans to work in the field of mental disorders in the community, focusing on the association of mental disorders with life course disadvantages, disabilities and poorly perceived health.

Claire Elisabeth Watt
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Watt is an SM2 student in HSPH's Department of Global Health and Population. Her research interests focus on maternal and child health in areas of armed conflict and programs addressing socioeconomic determinants of health. Prior to HSPH, Claire worked to support Partners In Health's microfinance and community health interventions in Eastern Rwanda. She has also conducted research on the population health impacts of war at Stanford University's Center for Health Policy and has field experience working with health organizations Support for International Change in Tanzania and FACE AIDS in Rwanda. Claire graduated from Stanford University with a B.A. in Global Health and Infectious Diseases.

Corey M. Peak
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Corey graduated from Vanderbilt University with a Bachelor of Engineering in Biomedical Engineering and Religious Studies. While at Vanderbilt he focused on designing low-resource diagnostic technologies for malaria and cardiac arrhythmias as well as the role of religion and spirituality in health outcomes. He also studied these disciplines for a semester at the National University of Ireland at Galway. He has research experience in the pharmaceutical industry at Abbott Labs with specific projects in drug development for blocking malaria transmission through a public-private partnership for neglected diseases. He is currently supported by the Center for Communicable Disease Dynamics (CCDD) to develop mathematical models to understand infectious disease dynamics with a particular interest in vector-borne diseases.

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Cristiane was born in Rio de Janeiro and graduated in odontology at the State University of Rio de Janeiro (UERJ). She is a specialist in periodontology from the same institution and has always been interested in maternal and child health. In 2004 she moved to Mato Grosso do Sul where she saw and learned about the precarious living conditions of indigenous people. She then decided to start studying public health. In 2006 she returned to Rio and enrolled in the Masters course in Family Health at the Universidade Estácio de Sá (UNESA) and received her degree in 2011. She currently works as a dentist with a multidisciplinary team in poor neighborhoods, as part of the Family Health Strategy at the Municipal Health Department of Rio de Janeiro. Cristiane hopes her work can contribute to improving many people's quality of life and is looking forward to sharing knowledge and experiences with her colleagues in January 2013.

Fabrício de Maicy Bezerra
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Fabrício graduated in with a degree in medicine from the Federal University of Bahia in 2009. He as has a degree in dentistry and a Master's in pathology from the Federal University of Ceará. He also gained teaching skills through the Special Program of Pedagogic Formation at the Federal University of Ceará in 2011. Through these experiences, Fabrício has had the opportunity to build broad knowledge of medical issues. Of note, he also participated in several meetings concerned about public health, first as a dentist and after as medical student. In 2002, he worked as professor at the University of Fortaleza, teaching courses in immunology, general pathology and oral pathology.

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Francisco graduated with a degree in medicine from the Federal University of Ceará in 1993. He has an MA and PhD in medicine with a specialization in obstetrics from the Federal University of São Paulo. He is currently a professor in the Department of Maternal and Child Health and in the Master's degree program in Public and Community Health at the Federal University of Ceará, where he is the co-coordinator. He is also involved in the federal government's Tutor-PET Program, which aims to improve training of health professionals in Brazil's national health system. His research areas include women's health, with a focus on prenatal, high-risk pregnancy, prenatal diagnosis and prenatal care.

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Sulivan Mota is Professor at the Department of Pediatrics, Faculty of Medicine, Federal University of Ceará (UFC). He has a Master in Pediatrics from Federal University of Rio de Janeiro. He is currently President of the Early Childhood Institute - IPREDE, where he helped grow the action to fight malnutrition by creating the stimulation of child development and social transformation of the family; President of SAMEAC, an entity that supports the administration of the Maternity Hospital and the University Hospital of the Federal University of Ceará and HEMOCE (blood center); and founder and President of NUTEP (Nucleous of Treatment and Early Intervention) which assists 750 children with special needs. He is a founder of the Neonatal Unit and the Integrated Clinic of Pediatrics, of the Federal University of Ceará. He is a founder of the First Human Milk Bank of the North and Northeast of Brazil. He represented the Federal University of Ceará in the Interinstitutional Commission that implemented SUS (Unified Health System) in the state of Ceará.

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Genna graduated from The George Washington University in 2012 with a BS in Public Health and Health Services. During her undergraduate years, Genna conducted cancer health disparities research for the National Institute of Health-funded Chicago Patient Navigation Research Program at Northwestern University Feinberg School of Medicine. While at GWU, she interned at a small nonprofit international development organization in D.C., where she worked on program development and grant writing. Genna became an active member of GlobeMed at GWU, a national nonprofit student organization that worked to bring healthcare and maternal health education to Butare, Rwanda. Before coming to Harvard, she worked as the Policy and Advocacy Intern for the Global Network for Neglected Tropical Diseases Program at the Sabin Vaccine Institute, a nonprofit global health organization in Washington D.C. Her interests include studying ethnomedical systems in diverse populations, infectious disease epidemiology, and global health policy. She is proficient in Spanish.

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Hermano's research focuses on the issues of maternal and child mortality and nutritional characteristics. His main goal is to perform quantitative analysis of the determinants that lead to conditions of increased risk of morbidity and mortality, and his results have helped decision-makers develop better public policies. He works in diverse areas in conjunction with many teachers of Universidade Federal do Ceará, where he was trained as a physician and also earned a Master's degree in public health.

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Jaqueline is Professor at Postgraduate Program in Public Health at Department of Community Health, Federal University of Ceará in northeast Brazil. She has experience in Nursing and Health, with an emphasis on qualitative studies on neglected diseases, management and evaluation of programs and primary care. Develops currently predominantly qualitative research, with emphasis on leprosy, addressing issues such as control, public health policies, disability, stigma, activity limitation and social participation. She has also performed operational research on leprosy in collaboration with non-governmental organizations, and Ministries of Health in Brazil and Mozambique.

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James Maguire is Professor of Medicine at Harvard Medical School and Senior Physician at Brigham and Women's Hospital in the Division of Infectious Disease. He lived in Bahia for almost 4 years (1978-81) working on parasitic diseases in collaboration with colleagues at UFBa, FIOCRUZ, SUCAM, and HSPH. He returned to Harvard until 2001, when he became Chief of the Parasitic Diseases Branch at CDC in Atlanta, Georgia. Before returning to Harvard in 2008, he was director of International Health at the University of Maryland School of Medicine. His research has focused on epidemiology and clinical features of Chagas disease, leishmaniasis, malaria, toxoplasmosis and other parasitic diseases primarily in Brazil, Bangladesh, Thailand, Guatemala, Peru and Bolivia.

James Richard Potter
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James Potter is a second-year Masters student in the Global Health and Population department of the Harvard School of Public Health. He has most recently worked on several research projects in Bangladesh and India, focusing on urban health issues, including sanitation, flooding, and the impacts of climate change. He also has a Bachelor's degree in Biochemistry and Molecular Biology from Brown University.

Jason Dyett
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Jason Dyett manages the activities and operations of the Brazil Office of the David Rockefeller Center for Latin American Studies (DRCLAS) at Harvard University serving as Program Director. He first moved to São Paulo in 1996, after two and a half years at the DRCLAS in Cambridge during the Center's launch. From 1997 to 2002, he established the Brazil office of the Economist Intelligence Unit's telecommunications research division and went on to gain experience growing technology companies backed by local and international investors. Jason rejoined DRCLAS from the Corporate Executive Board, a Washington, DC based organization that provides executive education to public and private companies. Since the creation the DRCLAS Brazil Office in 2006, he and the Brazil-based team have worked to develop and strengthen opportunities for Harvard student and faculty engagement with Brazil in close collaboration with the Brazil Studies Program at Harvard University. He has a Master of Business Administration (MBA) from the University of Chicago Graduate School of Business (2004) and graduated Phi Beta Kappa with a Bachelor's degree in Political Science and Spanish from the University of Vermont (1994).

John R. David
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John has a degree in medicine from the University of Chicago. He was a resident at Massachusetts General Hospital and has also held a position at the National Institute for Arthritis and Metabolic Diseases. He also worked at the New York University Department of Medicine, where co-discovered the first cytokine, MIF (migration inhibitory factor). Dr. David moved to the Harvard Medical School in 1966 where he has been since. He was appointed Professor of Medicine in 1972 and was the Chair of the Department of Tropical Public Health 1981-1997. He has been the Richard Pearson Strong Professor Emeritus since 2002. He has worked two months per year in Brazil since 1979 on schistosomiasis and leishmaniasis in Salvador, Manaus, Fortaleza and Rio de Janeiro. In 1995, Dr. David co-founded with FIOCRUZ in Salvador an AIDS prevention program which distributes condoms through music groups during Carnaval. Dr. David started and directed for five years the Biology of Parasitism Summer Course at the MBL, Woods Hole, MA in 1980, which just finished its 32nd year. He has participated in the DRCLAS/BRAZIL January course on infectious diseases for three years.

Jordan Thomas Glicksman
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Jordan Glicksman is a Master's of Public Health candidate at the Harvard School of Public Health. He received a Bachelor of Science degree in Physiology from McGill University in 2008 and completed Medical School at the University of Western Ontario (UWO) in Canada in 2010. In addition to being a Master's student he is training to be an Otolaryngologist—Head and Neck Surgeon in a residency program at UWO. His previous international health experience includes a medical mission to Honduras in 2009. Jordan is excited for the upcoming experience in Brazil.

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Jorg Heukelbach is Professor at the Department of Community Health, Federal University of Ceará in northeast Brazil, and Adjunct Professor at James Cook University, Townsville, Australia. He holds a Class 1 Scholarship from the Brazilian Research Council. Jorg has worked for years on the epidemiology and control of infectious and parasitic diseases with a special emphasis on ectoparasites, intestinal helminths, leprosy and vector-borne diseases, and has published about 250 scientific papers and book chapters. He has done many studies in several Latin American and African countries. He has also performed operational research on leprosy in collaboration with non-governmental organizations, and Ministries of Health in Brazil and Mozambique.

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After concluding medical school in 1974, José Wellington Lima began to work as a general practitioner in a rural community. Since 1981, he has engaged in vector-born disease control programs implemented by the Brazilian Ministry of Health at the state level. In 1994, he received his doctoral degree and started teaching epidemiology and biostatistics. He currently teaches epidemiology and biostatistics in the master and doctoral programs at the UECE, and is conducting research with support from the Brazilian Ministry of Health and World Health Organization. His primary ongoing research focused on epidemiology and the control of vector born and parasitic diseases, including projects on: (i)factors – individual, cultural and environmental – associated with soil transmitted helminthes; (ii)urban breeding sites of Aedes aegypti and Aedes albopictus; (iii)factors associated with dengue transmission; (iv)environmental factors associated with the abundance of Lutzomyia longipalpis in urban areas.

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Laura graduated from the University of Minnesota in 2011 with degrees in Biology and Geography, and a minor in Global Studies. She spent the summer of her junior year in a global health program in Botswana, where she worked at a local tuberculosis clinic. At HSPH, Laura is pursuing a Masters in Global Health and Population, and is particularly interested in maternal health. She spent the summer working for USAID in Ethiopia on a maternal health project, and is currently working on a project with HealthMap about flu surveillance.

Liduína Lopes Alves
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Liduína graduated with a degree in education from the State University of Ceará (UECE). She has concluded post-graduate work in higher education management at the Federal University University of Ceará. She is currently Secretary of the Center for Teaching, Research and Assistance for Children, secretary of the Northeast Network Prenatal Health-RENOSPE, Secretary of the Doctoral program in Pediatrics and Related Sciences Applied to Pediatrics. She is also a Member of the Research Group on Evaluation and Educational Management of the School of Education at UFC.

Lindsay Legault Bouton
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Lindsay graduated from Williams College in 2009 with a degree in biology. She then spent two years teaching biology at an American school in Bulgaria before returning to the US and starting at the Harvard School of Public Health. At HSPH, she is pursuing a Masters in Global Health and Population with an interdepartmental concentration in Infectious Disease Epidemiology. She spent the summer working for the Red Cross in Tanzania on a climate change and health project, and she is currently working on a project with HealthMap about animal disease surveillance.

Liza Uchimura
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Liza Yurie Teruya Uchimura is currently pursuing a Master's degree in the Department of Preventive Medicine at the University of São Paulo Medical School. Her research will study the flow of patients in a secondary care urgent/emergency service network in Curitiba, Paraná. Liza graduated from medical school and did her residency in Family Medicine and Community at the Pontifical Catholic University of Paraná. As a student she volunteered in Agreste, Paraíba, and, a riverside community in the Amazon, which helped her understand different infectious disease realities. She also spent time in London to refine her English. Liza worked in primary health care in Curitiba, developing epidemiological surveillance and educational activities reconciling with medical appointments. Her main interests are preventive medicine, public health, promotion of health, and primary care.

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Luciano graduated in medicine from the Federal University of Ceará (1983), and earned his Master's in Science in Maternal & Child Health from the Institute of Child Health, University of London, Great Britain (1988) and PhD in Public Health at the Public Health Institute of the Federal University of Bahia (2005). He is currently an Associate Professor of Epidemiology & Biostatistics in the School of Medicine at Federal University of Ceará (UFC). He served as Head of the Department of Community Health (Famed / UFC) from 2005 to 2010. He currently coordinates epidemiological population-based research projects in the areas of Maternal and Child Health and Disease and Non-Communicable Diseases.

Ludmila Naud
Master's in Medical Science candidate, University of São Paulo (USP)
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Ludmila holds a degree in Nutrition from the Catholic University of Brasília. She specialized in Clinical Nutrition at the GANEP Institute of Human Nutrition and, soon after, completed another specialization in Exercise Physiology in the Federal University of São Paulo's (UNIFESF) Paulista Medical School (EPM). She is now a second year student in the Master's program of Medical Science at the University of São Paulo (USP). She has experience in epidemiology and nutritional analysis of the population.

Manoj Easaw
Master's Candidate, Harvard School of Public Health (HSPH)
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Originally from the New York City area, Manoj received his B.A in Biology and Chemistry from Cornell University in 2009. Manoj is a fourth-year medical student from Rutgers Medical School in New Jersey, who is currently pursuing a Masters in Public Health at Harvard School of Public Health. From a public health standpoint, he is interested both in healthcare delivery systems as well as the social and environmental determinants of health. From a clinical standpoint, he is interested in infectious diseases and how that ties into the factors mentioned above. He looks forward to learning about infectious disease and how that relates to the broader environmental and social context of Brazil.

Marcia C. Castro
Associate Professor of Demography, Department of Global Health and Population, Harvard School of Public Health (Course Faculty Lead – HSPH)
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Marcia Castro, PhD, is a member of the Socioeconomic Data and Applications Center (SEDAC) User Working Group, and a founding member of the Wittgenstein Centre for Demography and Global Human Capital's Scientific Advisory Board. At Harvard, Castro serves as a member of the Faculty Advisory Committee of the Brazil Studies Program, and a member of the Brazil Studies Program Steering Group of the David Rockefeller Center for Latin American Studies (DRCLAS), she is a member of the Center for Geographic Analysis (CGA) Steering Committee, and faculty sponsor of the Spatial Analysis Methods Student Working Group. Her research focuses on: the identification of social, biological, and environmental risks associated with vector-borne diseases in the tropics; modeling determinants of malaria transmission, with particular emphasis on generating evidence for better control strategies; expansion of the Brazilian Amazon frontier and the social and environmental impacts of large-scale development projects implemented in the region; urbanization and health; use of spatial analysis in the Social Sciences; population dynamics and mortality models Castro has applied geographical information systems, remote sensing, and spatial statistics to her research, as well as proposed novel methods in spatial analysis. She has done extensive work in the Brazilian Amazon, and has experience working in Africa. She worked on the Dar es Salaam Urban Malaria Control Program from 2004-10, promoting the use of environmental management approaches to improve urban health.

Márcia Maria Tavares Machado
Dean of Education and Extension
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Márcia Machado is Professor of undergraduate and graduate (Masters and PhD), Department of Community Health, Faculty of Medicine, Federal University of Ceará (UFC). She is currently Dean of Extension Universitária (UFC). Researcher on the thematic of maternal and child health, was the first coordinator of the Human Milk Bank of Ceará and member of the national committee of Breastfeeding Program of the Ministry of Health. In Fortaleza she is a breastfeeding and infant nutrition consultant, with extensive experience in home visit to assist pregnant and postpartum women to breastfeed. She made her post-doctorate at the Harvard School of Public Health, Department of Society, Human Development, and Health, in 2011. She coordinate several research projects in the area of primary health care in Ceará, Evaluation of Programs and Services in Public Health, Child Nutrition and qualitative research in health.

Maria Amélia de Souza M. Veras
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Maria Amelia Veras, MD, MPH, PhD, is a Professor of Epidemiology at the Social Medicine Department of Santa Casa Medical School in São Paulo, Brazil, where she is the head of the International Affairs Office. She coordinates the National Forum of Graduate Programs in Collective Health. She has received fellowships from the Fogarty International AIDS Training Program at the University of California, San Francisco (1998) and from the University of California, Berkeley (1999 -2001) to support her research and training. She received her medical degree from the Universidade Federal de Pernambuco, a Master's degree in Public Health from the University of California, Berkeley, and Master's and doctorate degrees in Preventive Medicine from the Universidade de São Paulo. She serves as a distance tutor for the London School of Hygiene & Tropical Medicine. From 2009-2012 she was a Visiting Scientist in the Department of Global Health and Population at the Harvard School of Public Health. She has conducted varied training in Angola and Mozambique, and has expertise in HIV/AIDS, epidemiological surveillance, infectious diseases and vaccines. Her current research also includes health of men who have sex with men, stigma and discrimination, migrant and health. Since 2011 she holds a Fellow Research Productivity, level 2, from CNPq.

Maria Francisca Andrade
Programme Specialist, United Nations Children's Fund (UNICEF)
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Francisca Maria Oliveira Andrade (Tati) is a Brazilian pediatrician with a master's degree in public health and currently a doctoral student in Public Health. Tati practiced medicine before becoming coordinator of the child survival state program, president of the foundation for the welfare of children and adolescents, director of health services and deputy secretary of health of the state of Ceara, northeast Brazil. Tati is currently a programme specialist of the UNICEF office in Brazil, working with children´s rights, child survival and development, hiv/aids and public policy.

Mariana Pitombeira Liborio
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Mariana was born and raised in Fortaleza, Ceará, but had a 6 month highschool student exchange experience in Minnesota, USA, before returning to the Federal University of Ceará Medical School and graduating in 2007. She also spent one semester in Charité Hospitals in Berlin, Germany, under the Unibral program as an undergraduate. She obtained the title of Specialist in infectious diseases after 3 years as a resident at São José Hospital, the reference hospital for infectious diseases in Ceará. Mariana is currently in the second year of a two-year Master´s Program in Public Health, takes part in a teaching program initiative and also works as an infectologist at São José Hospital. Her interests include public health related to infectious diseases and health delivery system strengthening.

Marina de Moura
Student Programs Coordinator, Brazil Office, David Rockefeller Center for Latin American Studies (DRCLAS), Harvard University
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Marina joined the Brazil Office of Harvard University's David Rockefeller Center for Latin American Studies in 2006. She is experienced in student advising, event organization and scholarship application administration. Among her responsibilities, Marina provides advice to Harvard students and helps organize and execute the Brazil Summer Internship Program, Public Policy Immersion Program and collaborative courses involving students from Brazil and from Harvard. Marina has completed her Master's degree in Social Psychology from the Pontifícia Universidade Católica de São Paulo in 2007 and her PhD. in Education, Arts and History of Culture in 2012 from Universidade Presbiteriana Mackenzie.

Marly Augusto Cardoso
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Marly A. Cardoso holds a PhD in Food Science and Experimental Nutrition from the School of Pharmaceutical Sciences and a Qualified University Lecturer in Public Health at the University of Sao Paulo, Brazil where she is an Associate Professor of Nutritional Epidemiology and served as the Director of the country's first graduate program in Public Health Nutrition. Currently she is a Lemann Visiting Scholar at the David Rockefeller Center for Latin American Studies, Harvard University, and a research member of the Center for Epidemiological Studies in Health and Nutrition of the University of Sao Paulo. Her current research includes a study on health and nutritional conditions of children in Amazonian counties, which have socioeconomic indicators substantially lower than the national average. The study involves fieldwork done with the participation of community health agents, nursing students from Federal University of Acre, and university-level health professionals. Her research team has been working in the assessment of environmental conditions and child health status, and providing basic health information and training for health workers, mothers and children, including cooking workshops to increase the consumption of local fruits and vegetables. Currently, she is the Principal Investigator for the research project entitled Effectiveness of home fortification with vitamins and minerals for the prevention of iron deficiency and anemia in infants younger than 1 year of age: a multi-center study of Brazilian cities, supported by the Ministry of Health of Brazil, CNPq and UNICEF.

Maurici Santos
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Maurici graduated in Physiotherapy from the Federal University of São Carlos and earned a Master's in Health Science from Federal University of São Paulo's Paulista Medical School, concentrating in etnoepidemiology of non-specific syndrome. He is currently pursuing a PhD. in Community Health, focusing in cartography of public health scientific publishing, mapping patterns such as: public policy and planning, epidemiologic and demographic transition, social science in health, chronic-degenerative (DCNT) and infectious-contagious diseases (DIP) and epistemological frontiers (interdisciplinary approach).

Megan Srinivas
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Megan Srinivas is a medical student at the University of Iowa and is currently pursuing an MPH in global health. After graduating next year, she hopes to complete a residency in internal medicine with a specialty in infectious disease. Before pursuing graduate studies, Megan attended Harvard University for human evolutionary biology, Spanish, Latin American studies, and health policy. While there, she completed her honors thesis in Peru on the evolution of drug resistance in the malaria parasite. Megan is originally from Fort Dodge, Iowa.

Mônica Cardoso Façanha
Professor, Head of Community Health Department, Federal University of Ceará, UFC
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Mônica Cardoso Façanha graduated in Medicine from the Federal University of Ceará (UFC-1981), and received her master's in Medicine – Infectious and Parasitic Diseases (1997) from the Federal University of Rio de Janeiro, and doctorate in Pharmacology from UFC (2007). She is currently an Associate Professor at the Federal University of Ceará and Collaborating Professor of the Post-Graduate program in Public Health at UFC. She is a member of the Research Group in Infectious Diseases. She has experience in the area of Epidemiologic Surveillance of Infectious Diseases, with an emphasis on Tuberculosis.

Nora M. McCormick
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Nora is a first-year Master's candidate in infectious disease epidemiology at the Harvard School of Public Health. She has a B.A. in anthropology and public health from Washington University in St. Louis, Missouri. As an undergraduate she wrote a senior honors thesis on community health workers and the methamphetamine epidemic in Cape Town, South Africa and then worked for two years as an HIV and AIDS monitoring and evaluation analyst for the South African National Health Department. Her interests focus on improving data quality, management and use in order to improve a government's ability to make evidenced-based decisions regarding their HIV and TB positive populations.

Ottorino Bonvini
Priest and professor of Psychiatry at the Federal University of Ceará (UFC)
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Ottorino Bonvini (Italian citizen and naturalized Brazilian citizen) is a priest, doctor, psychiatrist, theologian, specialist in Family Therapy and Community Therapy, expert in Systematic Theology and professor of Psychiatry at the Federal University of Ceará (UFC). There he conducts research for his doctoral thesis on Community Health. His research is based on the Systemic Community Approach, a new socio-therapeutic technology developed on the outskirts of Fortaleza since 1996 through the Community Mental Health Movement. Bonvini is a Catholic Combonian missionary who has extensive international experience, particularly with the indigenous Cavapas community in Equador (1989), the Acholi people in Uganda (1991) and the Lakota Sioux Native Americans of the United States (1995), the latter having adopted him as a brother, bestowing upon him the name Oyate Owicakeya Mani (he who helps the people as he walks). Bonvini has also developed various projects in medicine, psychiatry and integral development (bio-psycho-social-spiritual) of both people and communities. Currently, he serves as president of the Community Mental Health Movement, which develops projects and programs in partnership with the residents of Bom Jardim, a slum on the outskirts of Fortaleza, and the Pitaguary indigenous community in the cities of Maracanaú and Pacatuba. In 2012, a new project involving the expansion and development of the Systemic Community Approach began in Bolivia with the Aymara people. Bonvini's work is recognized throughout Brazil and around the world.

Patricia C. Jaime
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Patrícia received her undergraduate degree in Nutrition at the Federal University of Goiás (1994), followed by an MSc (1999) and Ph.D. (2001) in Public Health from USP. She was a postdoctoral fellow in the Nutritional Epidemiology / USP (2003) and in Food and Nutrition Policy at the London School of Hygiene and Tropical Medicine, UK (2008). She has academic experience in the field of public health nutrition, mainly in the following areas: evaluation of programs and policies on food and nutrition, food intake of population groups, nutritional interventions and healthy diet promotion. Since March of 2011, she has served as coordinator of the General Food and Nutrition of the Ministry of Health of Brazil, and is responsible for federal management of the National Policy on Food and Nutrition which works on health promotion in the Brazilian population, primarily through healthy dietary actions, food and nutrition surveillance, disease prevention and comprehensive care for nutritional health problems.

Pedro Folegatti
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Pedro is currently a second year medical resident in Infectious Diseases at the Emilio Ribas Infectious Diseases Institute. He was born in São Paulo and graduated from medical school at the Medical School of ABC. As a student he worked at a local center for studies in public health and participated in a university extension program on health promotion, developing health education projects and providing medical care at a predominantly rural community in the Ribeira Valley of São Paulo. Before starting the residency program, he joined the Brazilian Air Force for one year at Manaus, in the Amazon region. He worked at the emergency department of the Amazon Foundation for Tropical Medicine, a referral center for tropical diseases, where he had contact with a wide variety of tropical and neglected diseases, such as Malaria, Dengue, leishmaniasis and HIV/AIDS. He intends to pursue a Master's Degree in Public Health and work with epidemiological surveillance of infectious diseases in Brazil.

Priscila Bochi de Souza
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Priscila is currently pursuing a Master's degree in Public Health, at the Santa Casa de São Paulo School of Medical Sciences. Priscila is also a student in the Field Epidemiology Training Program (FETP – EPISUS-SP), at the Center of Epidemiological Surveillance, in the São Paulo State Secretariat of Health. In 2008 Priscila graduated in Biologic Sciences from the University of Londrina (UEL), Paraná State. Soon after, she did a lato sensu specialization in "Information Technology and Communication, Environmental Education and Water Resources Management", at the Faculty of Sciences and Technology (UNESP), São Paulo State, and initiated a Professional Improvement Program at the Center of Assessment and Control of the Superintendent of Endemic Disease Control (SUCEN), São Paulo State, working with entomological surveillance. Her master's research focuses on the epidemiological profile of severe dengue in São Paulo State and her current training includes topics related to disease surveillance and outbreaks investigation.

Raquel Gonçalves
Master's candidate
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Raquel Gonçalves is a Public Health Technologist at Instituto Evandro Chagas/SVS/MS, and master's student at Universidade do Estado do Pará (UEPA). Currently, she is involved with epidemiological and entomological surveillance projects about tegumentary and visceral leishmaniasis. Raquel is a biologist, and she has experience working with traditional communities, including Indian groups from Amazon Region, and the assessment of environmental impact and projects with health education. She has additional interests in molecular and spatial epidemiology and control of neglected tropical diseases, especially vector borne diseases.

Rifat Atun
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Rifat Atun is Professor of International Health Management at Imperial College London and Head of the Healthcare Management Group. Between 2008 and 2012 he was a member of the Executive Management Team of The Global Fund to Fight AIDS, Tuberculosis and Malaria as the Director of Strategy, Performance and Evaluation Cluster. At Imperial, Rifat founded and led the Centre for Health Management: a multidiciplinary research group involved in international and UK based research programmes using multimethods approaches to explore how contextual and health systems factors influence the adoption and diffusion of complex health innovations (for example communicable disease control programmes for tuberculosis and HIV, primary health care reforms, and new healthcare technologies). Rifat has worked extensively with the World Bank, World Health Organization, the UK Department for International Development on design, implementation and evaluation of health system reform programmes. He has led research and consultancy projects for leading organizations such as Pfizer Inc., the Vodafone Group, Hofmann La Roche, PA Consulting, and Tata Consulting Services. Rifat has advised a number of governments in Europe, Latin America, Central Asia and the Middle East. He was the Founding Director of the MSc in International Health Management, BSc in Management and Medical Science, and Founding Co-Director of the Masters in Public Health Programme at Imperial College. He was on the board of the Institute of Systems and Synthetic Biology at Imperial College, and has been a director of Imperial College spin out companies operating in areas of health informatics and biotechnology. Rifat was member of the Strategic Technical Advisory Group of the World Health Organization for Tuberculosis and chaired the WHO Task Force on Health Systems and Tuberculosis Control. Between 2006-08 he was a Member of the Advisory Committee for WHO Research Centre for Health Development in Japan. He is currently the Chair of the STOP TB Partnership Coordinating Board, a member of the MRC Global Health Group as the MRC Infections and Immunity Board representative, a member of the PEPFAR Scientific Advisory Board, and a member of the Advisory Board for Merck for Mothers. Rifat is a Fellow of the Royal College of General Practitioners, Fellow of the Faculty of Public Health of the Royal College of Physicians, and a Fellow of the Royal College of Physicians UK.

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Adjunct Professor in the Department of Community Health, Faculty of Medicine, Universidade Federal do Ceará, Fortaleza, Ceará, Brazil; Attending Physician, Division of Infectious Diseases, Hospital Universitário Walter Cantídio, Faculty of Medicine, Universidade Federal do Ceará, Fortaleza, Ceará, Brazil; Attending Physician, Division of Tuberculosis, Hospital São José de Doenças Infecciosas, Fortaleza, Ceará, Brazil; Member of the Brazilian Society of Tropical Medicine.

Sarah E. Raifman
Master in Global Health and Population candidate, Harvard School of Public Health (HSPH)
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Sarah Raifman is a Master's candidate at the Harvard School of Public Health, studying Global Health and Population. She studied international development in college and then worked in the reproductive health program at the Population Council for two years, where she focused on international family planning and maternal health. She now works for the Center on Global Tobacco Control at Harvard and is interested in applying policy and legal frameworks to improve public health interventions, particularly in the areas of non-communicable disease.

Sofia Gruskin
Adjunct Professor of Global Health at Harvard School of Public Health (HSPH)
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Sofia Gruskin directs the Program on Global Health & Human Rights at the USC Institute for Global Health, and holds appointments as Professor of Preventive Medicine at the Keck School of Medicine and as Professor of Law and Preventive Medicine at the Gould School of Law. Professor Gruskin is Adjunct Professor of Global Health at the Harvard School of Public Health and an associate editor for The American Journal of Public Health, Global Public Health, and Reproductive Health Matters. Professor Gruskin was with the Harvard School of Public Health's Department of Global Health and Population for many years, most recently as Associate Professor, Director of the Program on International Health and Human Rights, and Co-Director of the Interdepartmental Program on Women, Gender and Health. Her work has been instrumental in the conceptual, methodological, policy and practice development of linking health and human rights, with a focus on HIV/AIDS, sexual and reproductive health, child and adolescent health, gender-based violence and health systems. Current partners include the World Health Organization, the United Nations Joint Programme on HIV/AIDS (UNAIDS), the United Nations Population Fund (UNFPA), the United Nations Development Programme (UNDP), Amnesty International, Merck Company Foundation, Open Society Foundation, and local organizations in Brazil, Kenya and Vietnam. She is a member of a number of international committees including the Institute of Medicine's Committee for the Outcome and Impact Evaluation of Global HIV/AIDS Programs Implemented Under the Lantos/Hyde Act of 2008 (PEPFAR), the Technical Advisory Group of the Global Commission on HIV and the Law and the UNAIDS Monitoring and Evaluation Reference Group.

Syed Kashif Mahmood
Master in Public Health candidate, Harvard School of Public Health (HSPH)
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Syed is pursuing a Master's in Public Health from Harvard School of Public Health, concentrating in health policy and management, where he has also served as an elected member of student government. He is also an assistant physician in medicine at Massachusetts General Hospital and an instructor in medicine at Harvard Medical School. He received clinical training in internal medicine at the Cleveland Clinic and graduated from medical school at Chaudhary Charan Singh University in India. His public health field experience has included work in India, participating in rural implementation of nationalized public health programs targeting polio and tuberculosis. While training at the Cleveland Clinic, he also worked at the Free Clinic of Greater Cleveland as HIV test counselor, 'Syringe Exchange Program' member and volunteer physician.

Tara Banani
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Tara is a Master's candidate in the Department of Global Health and Population, with a focus on both infectious disease epidemiology and the translation of human rights in development settings. Prior to her arrival at Harvard, she was engaged in an assessment of war-affected children in northern Uganda, in efforts to evaluate and improve current mental health treatments and psychosocial services available to post-conflict children. Since arriving at Harvard, she has been researching the translation of human rights in development settings; She worked briefly in West Africa on the possibility of collaboration of traditional medicine within the national health system; she examined the possibility of integration of mental health care within the primary care model in Boston. Most recently, she spent time in Indonesia, examining the burden of pediatric multi-drug resistant tuberculosis. This work has deepened her fascination with the complexities of disease, and the intricate nature of not just the pathology of disease, but all of the external factors that play such an important role.

Tasso R. Jereissati
Former Governor of Ceará

Tasso Ribeiro Jereissati completed his graduate studies at Fundação Getulio Vargas, and entered politics in 1986. He held three terms as the Governor of Ceará, and supported the "Viva Criança" Program, a major initiative to reduce infant and child mortality in the state, which received the Maurice Pate Leadership for Children Award from UNICEF in 1993. In October 2009 he was elected to the Brazilian Senate. Called one of the "one of the most influential senators" by a survey of the Brazilian Department of Inter-Parliamentary Advisory Board, Tasso has presented numerous legislative proposals relating to various themes around public security, taxation, budgeting, health, education, stem cell research, budget, tackling regional inequalities, slave labor, and agricultural funding, among others. Additionally, he created and led the Senate subcommittee on public safety, regional development and tax reform.

Tatiana Batista
Resident in Infectious Diseases
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Tatiana Batista was born in João Pessoa in Paraíba State and moved to the countryside of Ceará, where she graduated from medical school. Since college, she understood the intrinsic link between socioeconomical fields, environmental condition and health quality. As a student she served as a volunteer, helping people in vulnerable situations. Her interests include studies of global health disparities, policies of health communication, foreign languages and reading cultural plurality. She chooses work on infectious disease because of the opportunity to put together public health, economics, epidemiology and interfaces between health and the disease pathology mechanism. In the near future, Tatiana wants is to apply her epidemiology training to infectious disease surveillance and study the role of communication and health education to effect public health practices harmoniously and successfully.

Todd Oakland
Master's in Public Health candidate,
Harvard School of Public Health (HSPH)
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Todd received his B.S. in Molecular Biology from Purdue University in 2005. As an undergraduate, he began exploring the molecular mechanisms of Flavivirus replication, including yellow fever and dengue virus, in the laboratory of Dr. Richard J. Kuhn. He received his PhD. in Microbiology from the University of Chicago in 2012 working under the mentorship of Dr. Glenn C. Randall. While at the University of Chicago, he investigated the host cell determinants underlying hepatitis C virus replication, with a particular focus on the host protein-viral RNA interactions that are required for viral RNA replication. His interest in infectious disease brought him to the Harvard University School of Public Health, where he is working towards his MPH with a focus on Quantitative Methods. There he hopes to obtain the skills necessary for a career focusing on emerging infectious disease epidemiology, surveillance, and prevention, both in the United States and abroad.

Warda Sadiq Toma
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Warda is originally from Iraq where she spent her childhood, but has lived almost her life in Vancouver, Canada. She completed a medical degree in Montreal, Canada and then residency training in Pediatrics in Vancouver. Warda joined the Masters of Public Health program at Harvard University because of her belief that her impact as a clinician can be much more effective if done at a public health level. She has done clinical work abroad in Guatemala, Cambodia, Uganda, and more recently South Africa, where she has focused on infectious disease.

EMERGENCY CONTACTS

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The local area code in Fortaleza is 85. If you call any local phone number you do not need to dial an area code.

International SOS: 0021-1-215-942-8226
Police (Polícia): 190
Fire (Bombeiros): 193

For international collect calls and operator-assisted calls from Brazil: 0800 703 21 21

The American Consular Agency
Avenida Santos Dumont, 2828 Aldeota, Suite 708
60.150-161
Fortaleza, Ceará
Working Hours: 08:00AM to 12:00AM
Telephone numbers: (85) 3486-1306 /3486-1307
Fax: (85) 3486-1308
E-mail: acs1fortaleza@gmail.com or fmcis46w@terra.com.br

The U.S. Consulate in Recife maintains a Consular Agency in Fortaleza to provide services to all American Citizens in Ceará.
Important! U.S. citizen services for consular agencies must be scheduled through phone or email. To schedule an appointment, please e-mail RecifeACS@state.gov.

COURSE SCHEDULE

WEEK 1							
	Mon Jan 7	**Tues Jan 8**	**Wed Jan 9**	**Thurs Jan 10**	**Fri Jan 11**	**Sat Jan 12**	**Sun Jan 13**
8:45 am - 10:30 am	**9am** - Introduction at IPREDE with faculty and students	**Lecture #3. Building Tools:** Human Rights Approach (Sofia Gruskin)	**Lecture #5. Building Specialized Knowledge:** HIV (Aluísio Segurado)	**Lecture #7. Building Specialized Knowledge:** Tuberculosis (Jamie Maguire)	**Lecture #9. Building Background:** Spatio-Temporal Trends in Infant Mortality in Brazil (Marcia Castro)	Primary Health Care Clinic - Frei Tito	Movimento de Saúde Mental Comunitária
10:30 am - 11:00 pm		**Coffee Break**	**Coffee Break**	**Coffee Break**	**Coffee Break**		
11:00am - 12:45 pm		**Lecture #4. Building Tools:** Multidisciplinary Analysis in Public Health (Marcia Castro)	**Lecture #6. Building Specialized Knowledge:** Leprosy (Jorg Heukelbach, Carlos Henrique Alencar)	**Lecture #8. Building Specialized Knowledge:** Leishmaniasis (John David)	**Lecture #10. Building Specialized Knowledge:** Maternal & child health and Nutrition (Marcia Machado and Tati)		
12:45 pm - 2:00 pm	**Lunch**	**Lunch**	**Lunch**	**Lunch**	**Lunch**		
2:00 pm - 2:30 pm	**Lecture #1. Building Background**: Infectious Diseases Epidemiology Brazil and Ceará (Anástacio Sousa)	Travel time	Travel time	Travel time	IPREDE	Lunch and Flexible time at Praia do Futuro	ALL DAY
2:30 pm - 3:45 pm		**Group A:** São José Hospital **Group B:** Milk bank **Group C:** D.Libania Health Unit	**Group A:** Milk bank **Group B:** D.Libania Health Unit **Group C:** São José Hospital	**Group A:** D.Libania Health Unit **Group B:** São José Hospital **Group C:** Milk bank			
3:45 pm - 4:15 pm	**Coffee Break**						
4:15 pm - 6:00 pm	**Lecture # 2. Building Background:** Brazilian Unified Health System and Family Health Program (Maria Amelia)						
Evening	Opening dinner - Restaurant Colher de Pau	Flexible time	Groups meet with advisor over dinner	Flexible time	Flexible time		

WEEK 2							
	Mon Jan 14	**Tues Jan 15**	**Wed Jan 16**	**Thurs Jan 17**	**Fri Jan 18**	**Sat Jan 19**	**Sun Jan 20**
8:45 am - 5:45 pm	City of Eusebio – Adolescents Health Agents Project Projects	Projects	Projects	Projects	Projects	Local presentations	Optional Beach Trip
Evening	Flexible time	Flexible time	Flexible time	Flexible time	Flexible time	Flexible time	

WEEK 3					
	Mon Jan 21	**Tues Jan 22**	**Wed Jan 23**	**Thurs Jan 24 & Fri Jan 25 Symposium**	
8:45 am - 10:00 am	Finalize presentations and projects	Presentation 1	Course evaluations	***FOCUSING ON THE DEVELOPING CHILD: CEARÁ, BRAZIL, AND BEYOND*** SEE COMPLETE SCHEDULE AT THE END OF THIS MATERIAL	
10:00 am - 11:15 am		Presentation 2	**10-noon**: Closing program (Short presentations + Certificates)		
11:15 am - 11:45 am (BREAK)		**Coffee Break**			
11:45 am - 1:00 pm		Presentation 3			
1:00 pm - 2:00 pm (LUNCH)		**Lunch**	**Lunch (noon-2pm)**		
2:00 pm - 3:30 pm		Presentation 4	Conclusion of written version of projects		
3:30 pm - 5:00 pm		Presentation 5			
Evening	Flexible time	Party (Churrasco)	Flexible time		

FOCUSING ON THE DEVELOPING CHILD: CEARÁ, BRAZIL, AND BEYOND
2013 Harvard – Brazil Collaborative Public Health Field Course
Special Symposium, January 24-25

January 24

8:45am – 9:00am	Introduction
9:00am – 9:50am	Innovations in primary care and health systems to reduce infant and child mortality: international experience Dr. Rifat Atun
9:50pm – 10:40pm	Challenges and strategies to reduce neonatal death in the North and Northeast of Brazil Dr. Alvaro Madeiro
10:40am – 10:55am	Coffee break
10:55am – 11:45am	Community health agents – a new health professional Dr. Carlile Lavor
11:45am – 12:45am	Discussion moderated by Dr. Sulivan Mota
12:45am – 2:00pm	Lunch
2:00pm – 2:50pm	Viva Criança - The Ceará program to reduce infant and child mortality Dr. Anamaria Cavalcante
2:50pm – 3:40pm	Evaluating the maternal and child health in Ceará (PESMIC) Prof. Luciano Correia
3:40pm – 3:55pm	Coffee break
3:55pm – 4:55pm	Discussion moderated by Former Ceará Governor, Tasso Jereissati

January 25

8:45am – 9:00am	Recap of day 1
9:00am – 9:50am	National program on nutrition Prof. Patricia Jaime
9:50pm – 10:40pm	Nutritional status in Brazil Prof. Marly Cardoso
10:40am – 10:55am	Coffee break
10:55am – 11:55am	Discussion moderated by Prof. Antônio José Cunha
12 noon – 1:30pm	Lunch
1:30pm – 2:20pm	Movimento de Saúde Mental Comunitária do Bom Jardim (MSMC): the experience of Ceará Father Rino Bonvini

2:20pm – 3:20pm Discussion

3:20pm – 3:50pm Conclusion