17th International Conference on Urban Health

Transforming our Collective Urban Future: Learning from COVID-19
6-8 July 2021 | VIRTUAL

CONFERECE PROGRAM

International Society for Urban Health
PAHO
SALURBAL
Welcome to the 17th International Conference on Urban Health!

The International Society for Urban Health (ISUH) is the only global non-governmental organization focused exclusively on the broad determinants of urban health and health equity worldwide. We are proud to be hosting this year’s conference with the Urban Health in Latin America (SALURBAL) Project and the Pan American Health Organization (PAHO), the regional office of WHO for the Americas.

We are thrilled that you have joined our international network of interdisciplinary urban health researchers, policymakers, business leaders, practitioners, and grassroots community advocates to exchange ideas, advance research, and drive action across sectors, transforming urban environments to promote health, health equity, and environmental sustainability in light of our shared learnings from COVID-19.

The pandemic has highlighted and exacerbated urban health inequities in cities around the world. As COVID-19 has drawn the world’s attention to urban areas and the stark health inequities that must be addressed, this year’s conference convenes leading researchers and other stakeholders working to examine the drivers and impacts of urban health disparities, and opportunities for effective policies and interventions to address them.

Over the three days of the conference, you will hear from experts across sectors and disciplines about innovative strategies for improving health and addressing the complex determinants of health in cities; share the latest challenges and opportunities illuminated by the COVID-19 pandemic for advancing urban health, health equity, healthy city design, and sustainability and resilience; and advance the generation, exchange, and application of multidisciplinary and intersectoral urban health knowledge and practice from across the world.

This year’s program includes special attention to urban health challenges and lessons from Latin America and the Caribbean, drawing on scholarship and experience from our regional network of experts and practitioners. Although the virtual nature of this event presents some limitations, we have worked to leverage this format to extend access to a broader and more diverse group of participants than ever before. We are also pleased to offer simultaneous translation to Spanish for all plenary sessions and a special series of regionally focused sessions.

We hope you enjoy the Conference, and that it inspires you to action in response to the critical health challenges facing our cities across the globe.

Dr. Carlos Dora
President-Elect 2021-2023, International Society for Urban Health (ISUH)
Geneva, Switzerland

Dr. Gerry Eijkemans
Unit Chief for Health Promotion and Social Determinants of Health
Pan American Health Organization/World Health Organization (PAHO/WHO)
Washington D.C., USA

Dr. Ana Diez Roux
Principal Investigator, Salud Urbana en América Latina (SALURBAL)
ICUH 2021 Scientific Committee Chair
Philadelphia, USA
## Contents

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conference Themes</td>
<td>4</td>
</tr>
<tr>
<td>ICUH 2021 Scientific Committee</td>
<td>5</td>
</tr>
<tr>
<td>Conference Co-hosts</td>
<td>8</td>
</tr>
<tr>
<td>Thank You to our 2021 Conference Sponsors!</td>
<td>9</td>
</tr>
<tr>
<td>Conference Partners</td>
<td>10</td>
</tr>
<tr>
<td>Detailed Schedule: Day 1, Tuesday 6 July 2021</td>
<td>13</td>
</tr>
<tr>
<td>Detailed Schedule: Day 2, Wednesday 7 July 2021</td>
<td>21</td>
</tr>
<tr>
<td>Detailed Schedule: Day 3, Thursday 8 July 2021</td>
<td>31</td>
</tr>
<tr>
<td>Poster Session 1</td>
<td>39</td>
</tr>
<tr>
<td>Poster Session 2</td>
<td>44</td>
</tr>
</tbody>
</table>
2021 CONFERENCE THEMES

**Urban health inequities**

Urban health inequities have been both illuminated and exacerbated throughout the COVID-19 pandemic. These inequities disproportionately impact vulnerable populations including migrants, ethnic and racial minorities, poor people, and people living in informal settlements, often with limited access to basic services, and those lacking food, labor and/or social protections. The need to address the social determinants of health, including structural inequities and systemic racism in cities, has never been more urgent or apparent. Effective responses must incorporate community participation, intersectoral action, and inclusive governance.

**Transforming built environments**

Urban environments can have profound effects on human health. The built environments of cities interact with complex social conditions and can promote sustainability and health or aggravate illness and disease. Features of built environments differ markedly between and within cities depending on history, cultural context, scale, land use and more. Policies and programs have the power to transform the built environments of cities and neighborhoods to enhance health, improve health equity, and promote environmental sustainability.

**Urban governance and public health systems**

Governments hold ultimate responsibility for guaranteeing those conditions in which people are able to be as healthy as they can be. Governance for urban health requires political leadership that recognizes the relevance of decisions made in sectors beyond health and healthcare in determining health. Governments also have responsibility for creating and sustaining essential public health systems and infrastructure. Failures to support and expand capacity in the public health system can make it more difficult to advance health in all policies and respond effectively to health emergencies. The authority assigned to city and local governments varies by country, but it is increasingly apparent that the public sector must interact effectively with a growing number of governmental and non-governmental actors to fulfill these responsibilities.

**Urban health over the lifecourse**

The urban setting creates both opportunities for and risks to health across the life course of people living in cities. Many health promotion programs have traditionally been structured around specific life stages, including initiatives targeted at childhood, adolescence, reproductive age, and older adults. However, many of these programs do not specifically address or target the role of the urban environment, and urban development experts and planners are often unaware of the potential health impacts of their interventions.

**Climate change and urban health**

Climate change is a major driver of urban health. Cities are especially susceptible to the adverse impacts of warming, sea-level rise, and increasingly frequent and severe extreme events. These impacts are inequitably distributed, and they are disproportionately experienced by vulnerable urban populations. Cities, in turn, play an important role in driving climate change. Urban areas contribute significantly to energy use, greenhouse gas emissions, and resource consumption – and present unique opportunities to mitigate environmental impacts, adapt to change, and promote health.

**Urban health in Latin America and the Caribbean**

Latin America and the Caribbean (LAC) is among the most urbanized regions of the world. Over 80% of the region’s population lives in urban areas that are heterogenous in their size, form, and social environments. For decades, the region has led innovative programs, policies, initiatives, and interventions that promote urban health and health equity. Lessons about the drivers of health in LAC cities and the most effective strategies for promoting urban health in the region have relevance for cities across the world.
ICUH 2021 SCIENTIFIC COMMITTEE

The organizers are grateful to the members of this year’s Scientific Committee for their ongoing support and fundamental contributions toward shaping this year’s conference program.

Committee Chairs:

Ana V. Diez Roux
Chair
Principal Investigator, SALURBAL Project
Director, Drexel Urban Health Collaborative

Carlos Dora
Co-Chair
President-Elect, 2021-2023
International Society for Urban Health

Olga Lucia Sarmiento Dueñas
Co-Chair
Principal Investigator, SALURBAL (Colombia)
Professor, School of Medicine
Universidad de los Andes, Bogotá

J. Jaime Miranda
Co-Chair
Principal Investigator, SALURBAL (Peru)
Director, CRONICAS Centre of Excellence in Chronic Diseases
Research Professor, Universidad Peruana Cayetano Heredia

Committee Members:

- Akinyinka O. Omigbodun, College of Medicine and Pan African University Life and Earth Sciences Institute (PAULESI), University of Ibadan, Nigeria; NIHR Global Health Research Unit on Improving Health in Slums
- Alejandra Vives, Associate Professor, School of Medicine, Pontificia Catholic University of Chile
- Andres Trotta, National University of Lanús, Argentina
- Billie Giles-Corti, Distinguished Professor and Vice-Chancellors Professorial Fellow, RMIT University, Australia
- Blessing Mberu, Senior Research Scientist and Head of Urbanization and Wellbeing, African Population and Health Research Center (APHRC), Kenya
- Burmaajav Badrakh, Mongolian Academy of Sciences, Mongolia
- Carme Borrell, Executive Director, Barcelona Public Health Agency (ASPB), Spain
- Céline Rozenblat, University of Lausanne, Switzerland
- Charles Ebikeme, "Policy Officer, Department of Health Policy, London School of Economics and Political Sciences, UK; African Health Observatory
- Danielle Ompad, Associate Dean for Education, New York University School of Global Public Health, USA
- David Rojas Rueda, Assistant Professor of Epidemiology, Colorado State University, USA
David Vlahov, Yale School of Nursing; Co-Director, National Program Office for the RWJF Culture of Health: Evidence for Action Program, USA

Fernanda Kroker Lobos, Research Center for the Prevention of Chronic Diseases, Institute of Nutrition of Central America and Panama (INCAP), Guatemala; Principal Investigator, SALURBAL Project (Central America)

Fernanda Lanzagorta, International Consultant on Health Promotion and Urban Health, Pan American Health Organization/World Health Organization (PAHO/WHO), USA

Franz Gatzweiler, Institute of Urban Environment, Chinese Academy of Sciences, China

Gérard Salem, Professor of Urban Health, Université Paris-Nanterre

Gerry Eijkemans, Unit Chief for Health Promotion and Social Determinants of Health, Pan American Health Organization/World Health Organization (PAHO/WHO), USA

Gina Lovasi, Dornsife Associate Professor of Urban Health, Co-Director of the Urban Health Collaborative, Dornsife School of Public Health, Drexel University, USA

Hany Ayad, Professor of Urban Planning, Alexandria University, Egypt

Ibtihal Y. El-Bastawissi, Dean, Faculty of Architecture - Design and Built Environment, Beirut Arab University, Lebanon

Jason Corburn, Professor in the Department of City and Regional Planning and the School of Public Health, University of California, Berkeley, USA

Jennifer Kolker, Clinical Professor, Associate Dean for Public Health Practice and External Relations, Dornsife School of Public Health, Drexel University, USA

José Siri, Senior Science Lead for Cities, Urbanisation, and Health, Our Planet, Our Health Programme, Wellcome Trust, UK

Juan Vela Valdés, National School of Public Health, Cuba

Juliana Oliveira, Federal University of Pernambuco, Brazil

Kristy Langerman, Senior Lecturer, Geography, Environmental Management & Energy Studies, University of Johannesburg, South Africa

Lidia Morawska, Queensland University of Technology (QUT); Director, International Laboratory for Air Quality and Health; Co-Director - Australia, Australia-China Centre for Air Quality Science and Management

K. Locana Gunaratna, Fellow and Past President, National Academy of Sciences of Sri Lanka

Marcelo Korc, Unit Chief, Environmental Determinants of Health, PAHO/WHO, Washington, D.C., USA

Maria de Fátima de Pina, Laboratório de Informações em Saúde, Oswaldo Cruz Foundation (FIOCRUZ), Brazil

Mark J Nieuwenhuijsen, Research Professor in Environmental Epidemiology, Barcelona Institute for Global Health, Spain

Mauricio Barreto, Oswaldo Cruz Foundation (FIOCRUZ); Professor, Federal University of Bahia, Brazil

Moses Alobo, Program Manager for Grand Challenges Africa, African Academy of Sciences, Kenya

Paula Santana, Professor of Geography, University of Coimbra; Scientific Coordinator of CEGOT - Centre of Studies in Geography and Spatial Planning, Portugal

Peng Gong, Vice-President and Pro-Vice-Chancellor for Academic Development, University of Hong Kong

Pia Carrasco, University of Tijuana, Mexico

R.B. Singh, Secretary General, International Geographical Union (IGU); Department of Geography and Delhi School of Economics, University of Delhi, India
Rachel Cooper, Distinguished Professor of Design Management and Policy, Lancaster University, UK

Sainath Banerjee, Deputy Project Director of Urban Health Program, IPE Global, India

Sandro Galea, Dean and Robert A. Knox Professor, Boston University School of Public Health, USA

Saroj Jayasinghe, Consultant Physician; Former Chair Professor of Medicine, University of Colombo, Sri Lanka

Sotiris Vardoulakis, Professor of Global Environmental Health, The Australian National University, Australia

Suraj Bhattarai, Research Fellow and Director of Global Health Programme, Global Institute for Interdisciplinary Studies, Nepal

Susan Parnell, Global Challenges Research Professor, School of Geography, University of Bristol, UK; Emeritus Professor, African Centre for Cities (ACC), University of Cape Town

Thomas Krafft, Associate Professor, Maastricht University, The Netherlands; Honorary Professor, Chinese Academy of Sciences (IGSNRR)

Tolullah Oni, Co-Director, Global Diet and Activity Research Group, University of Cambridge; Founder, UrbanBetter

Tonatiuh Barrientos, Director, Research Center for Population Health, Instituto Nacional de Salud Pública (INSP), Mexico; Principal Investigator, SALURBAL Project (Mexico)

Waleska Teixeira Caiaffa, Director, Observatory for Urban Health in Belo Horizonte (OSUBH); Federal University of Minas Gerais (UFMG), School of Medicine, Belo Horizonte, Brazil; Principal Investigator, SALURBAL Project (Brazil)

Yongguan Zhu, Institute of Urban Environment, Chinese Academy of Sciences (CAS), Xiamen, China
CONFERENCE CO-HOSTS

ISUH
The International Society for Urban Health (ISUH) is the only global non-governmental organization solely focused on advancing urban health and health equity by addressing the broader determinants of health. ISUH understands that the health challenges and opportunities in urban environments are complex. They require interdisciplinary collaboration among researchers, educators, policy makers, practitioners, community leaders, and urban health advocates in sectors such as urban planning, architecture, transportation, housing, and environmental health.

Through its annual global conference and program activities, the ISUH serves as a platform for interdisciplinary academic researchers and educators, practitioners and policymakers from multiple sectors in government and the private sector – NGOs and businesses to learn from each other and advance evidence and action that improves urban health.

PAHO
The Pan American Health Organization (PAHO) is the specialized international health agency for the Americas. It works with countries throughout the region to improve and protect people's health. PAHO is committed to ensuring that all people have access to the health care they need, when they need it, with quality and without fear of falling into poverty. Through its work, PAHO promotes and supports the right of everyone to good health.

To advance these goals, PAHO promotes technical cooperation between countries and works in partnership with ministries of health and other government agencies, civil society organizations, other international agencies, universities, social security agencies, community groups, and other partners. PAHO promotes the inclusion of health in all public policies and the engagement of all sectors in efforts to ensure that people live longer, healthier lives, with good health as their most valuable resource.

The Health Promotion and Social Determinants Unit focuses on the conditions surrounding people in their daily lives that lead to better or worse health outcomes. These conditions can be physical, economic, social, commercial, or even political in nature. They tend to be linked to inequalities that also create adverse outcomes in other areas, such as consumption, education, or employment. They are also often under the authority of other sectors, such as transportation, urban planning or working conditions. This unit supports countries in identifying how these conditions relate to priority health issues, and taking concrete action to address them in sustainable ways and is currently working on several projects, including a Global Initiative on the Urban governance of Health and Wellbeing, focusing on the cities of Ciudad de Mexico and Bogota. Other areas of work are Health in All Policies, Workers Health and The Sustainable Development Goals (SDGs).

SALURBAL
Salud Urbana en América Latina (SALURBAL), or Urban Health in Latin America, is a five-year project launched in April 2017. The Drexel University Dornsife School of Public Health and partners throughout Latin America and in the United States are working together to study how urban environments and urban policies impact the health of city residents throughout Latin America. Their findings will inform policies and interventions to create healthier, more equitable, and more sustainable cities worldwide. SALURBAL is funded by the Wellcome Trust as part of its Our Planet, Our Health initiative, which focuses on research examining the connections between the environment and human health.

The SALURBAL Project is the main activity of LAC-Urban Health, the Urban Health Network for Latin America and the Caribbean, which brings together researchers, practitioners, and policymakers to improve health in the cities of Latin America and the Caribbean. LAC-Urban Health is a regional learning network whose activities and groups support research, training, and policy translation in urban health through collaboration and exchange. The network’s members currently represent 13 countries in the region, as well as the United States, the United Nations Systems, and other countries. LAC-Urban Health is convened and coordinated by the Drexel Urban Health Collaborative.
THANK YOU TO OUR 2021 SPONSORS!

ABOUT FONDATION BOTNAR:
Fondation Botnar is a Swiss-based foundation which champions the use of AI and digital technology to improve the health and wellbeing of children and young people in growing urban environments. To achieve this, the foundation supports research, catalyzes diverse partners, and invests in scalable solutions around the world: https://www.fondationbotnar.org

ABOUT NOVARTIS FOUNDATION:
The Novartis Foundation aims to improve the health of low-income populations by working with local authorities and partners to re-engineer health systems from being reactive to proactive, predictive, and preventative.

ABOUT NOVO NORDISK:
For almost 100 years, we have been translating the unmet medical needs of people living with a serious chronic disease into innovative medicines and delivery systems, like our insulin pens. Our treatments today are benefiting millions of people living with diabetes, obesity, and rare blood and endocrine diseases. From our labs to our factory floors, we are discovering and developing innovative biological medicines and making them accessible to patients throughout the world.
CONFERENCE PARTNERS

Cities & Health has been established to support human and planetary health by sharing the latest international research and practice for urban health and health equity. Our mission is to provide practitioners, researchers and communities with our journal as a platform to share and discuss problems, and to shape solutions from a spatial planning, urban design and physical city governance perspective. From climate change to the digital city, from city leadership to community resilience, cities all over the world are in transition. The journal covers a wide range of topics - but public health, health equity and the health of our life-giving planetary systems need to be at the heart of what we publish. We welcome contributions from researchers and practitioners, and from communities and politicians, working for healthier cities. We encourage a wide range of submission types, including Original Scholarship, Reviews, Case Studies, City Shorts, Commentary & Debates, Reflective Praxis Articles, Visual Design Essays and Travelogues. For further information, visit our website at www.tandfonline.com/rcah.

Drexel University is a comprehensive global research university with a unique model of experiential learning that combines academic rigor with one of the nation’s premier cooperative education programs. Drexel is one of Philadelphia’s top 10 private employers, and a major engine for economic development in the region. Drexel has committed to being the nation’s most civically engaged university, with community partnerships integrated into every aspect of service and academics.

The Dornsife School of Public Health at Drexel University is a leader and innovator in providing an exemplary education to current and future public health leaders, practitioners, scientists, and scholars. The School’s mission is to provide education, conduct research, and partner with communities and organizations to improve the health of populations, with a particular emphasis on urban health.

The Drexel Urban Health Collaborative is deeply rooted and engaged in Philadelphia and its surrounding region and incorporates the strong record of service locally at the Dornsife School of Public Health. The UHC works closely on a range of projects (including SALURBAL) in partnership with government agencies (health departments and other sectors related to health), other academic institutions, health systems, non-governmental and community organizations, and community members.

The Oswaldo Cruz Foundation (Fundação Oswaldo Cruz, or FIOCRUZ) is a biological research and development institution headquartered in Rio de Janeiro, Brazil. The institution has a broad range of responsibilities related to the health and wellbeing of the Brazilian population, and functions as a national institute of health. The Foundation’s mission is to produce, disseminate and share knowledge and technologies to strengthen the Unified Health System (SUS) and promote health and quality of life. FIOCRUZ is a partner of the SALURBAL Project.

Fundación Placemaking Mexico - The Placemaking Mexico Foundation is a fund that seeks to support organizations in Mexico to generate local capacity to implement Placemaking projects in their region through: Training, Technical assistance, Donations in kind and Economical support. Fundación Placemaking México seeks to consolidate a Mexican network of organizations to promote better public spaces nationwide through Placemaking.

Under the umbrella of the InterAcademy Partnership (IAP), more than 140 national, regional and global member academies work together to support the vital role of science in seeking evidence-based solutions to the world’s most challenging problems.

The Instituto de Nutrición de Centro América y Panamá (INCAP) is a multinational, scientific and technical organization, specialized in food, nutrition, and food and nutritional security, belonging to the Central American Integration System (SICA). INCAP is based in Guatemala City and has offices in El Salvador, Honduras, Nicaragua, Costa Rica, Panama, Belize and the Dominican Republic. The mission of INCAP is to support the efforts of member states, through scientific-technical cooperation, in the achievement and maintenance of nutritional and food security. INCAP is a partner of the SALURBAL Project.

The Instituto Nacional de Salud Pública, or National Institute of Public Health of Mexico (INSP), is an academic institution whose central commitment to Mexican society is to supply research results to support responses to public health challenges. INSP is made up of public health and social science professionals, students, and technical personnel. The mission of the Institute is to contribute to social equity and the full realization of the right to health protection through the generation and dissemination of knowledge, training and capacity building, and innovation in multidisciplinary research to support evidence-based public policies. INSP is a partner of the SALURBAL Project.

International Science Council (ISC) - The ISC was created in 2018 as the result of a merger between the International Council for Science (ICSU) and the International Social Science Council (ISSC). It is the only international non-governmental organization bringing together the natural and social sciences and the largest global science organization of its type.

Founded in 1965, International Society of City and Regional Planners (ISOCARP) is a global association of professional city and regional planners. Our network brings together individual and institutional members from 85+ countries with the vision to make cities and human settlements inclusive, safe, resilient and sustainable through integrative participatory urban and territorial planning.
Journal of Urban Health - The Journal of Urban Health is the premier and authoritative source of rigorous analyses to advance the health and well-being of people in cities. The Journal provides a platform for interdisciplinary exploration of the evidence base for the broader determinants of health and health inequities needed to strengthen policies, programs, and governance for urban health.

New York Academy of Medicine (NYAM) - The New York Academy of Medicine (NYAM) tackles the barriers that prevent every individual from living a healthy life. NYAM generates the knowledge needed to change the systems that prevent people from accessing what they need to be healthy such as safe and affordable housing, healthy food, healthcare and more. Through its high-profile programming for the general public, focused symposia for health professionals, and its base of dedicated Fellows and Members, NYAM engages the minds and hearts of those who also value advancing health equity to maximize health for all.

The Pontificia Universidad Católica de Chile (UC), founded in 1888, is a catholic university in Chile and one of the highest-ranking universities in Latin America. UC has four campuses in Santiago and one in Villarrica. Each campus has its own identity and is linked to a different moment in the university’s history, with a total of 18 faculties, including an interdisciplinary institute and the UC College program. UC is a partner of the SALURBAL Project.

SALUS Global - SALUS is a global media, research, publishing, events and training organisation with a vision to improve human and planetary health. Their mission is to create, share and disseminate knowledge concerning the relationship between human health and the natural, built, social and technological environment. They believe that the two great challenges of our age – improving human health and mitigating or reversing climate change – are inextricably linked. Healthy people require a healthy planet. [http://www.salus.global]

The University of Chile was founded in 1842 and is the oldest higher education institution in Chile, with the mission of generating, integrating and communicating knowledge in all areas. The University is headquartered in Santiago, Chile, with five campuses and several experimental stations located around the country. The University of Chile is a partner of the SALURBAL Project.

The Facultad de Medicina of the Universidad de los Andes is a medical school located in Bogotá, Colombia. The School is committed to the formation of medical professionals within a critical and ethical structure and to creating an environment of pluralism, tolerance and respect. Through a flexible and selective curriculum and with highly qualified faculty, the school exposes its students to a comprehensive, interdisciplinary, and high-quality academic environment. Research, methodological innovation, and continuing education provide a driving force for societal and policy change. Universidad de los Andes is a partner of the SALURBAL Project.

The Universidad Nacional de Lanús (UNLa) in Buenos Aires is an Argentine national university founded in 1995. The University's Instituto de Salud Colectiva seeks to generate and disseminate knowledge that responds to critical public health and social challenges and to establish a space for research, teaching, and consulting to address the needs and demands of different international, national or state health organizations, as well as public and private health institutions, social security institutions, research institutes, and other academic organizations. UNLa is a partner of the SALURBAL Project.

The Universidad Peruana Cayetano Heredia (UPCH) is a private nonprofit university located in Lima, Peru, with a focus on health, life, and education sciences. It is considered one of the top medical schools in Peru, and is one of the major producers and publishers of scientific research in the country. UPCH is a partner of the SALURBAL Project.

The University of Saõ Paulo (USP) is a public university in the Brazilian state of São Paulo. Founded in 1934, it is the largest Brazilian public university and the largest research institution. It is ranked 100 worldwide by the Times Higher Education World University Rankings. USP engages in teaching, research, and university extension in all areas of knowledge. USP is a partner of the SALURBAL Project.

The Universidade Federal de Minas Gerais (UFMG) is a federal research university in the Brazilian state of Minas Gerais, with the main campus located in Belo Horizonte. It is one of Brazil’s five largest and highest-ranked universities, and is the largest federal university in the country, offering 79 undergraduate education programs and 90 postgraduate education programs. UFMG is a partner of the SALURBAL Project.

The University of California Berkeley (UC Berkeley) is a public land-grant research university in Berkeley, California. Established in 1868 as the University of California, it is the state's first land-grant university and the first campus of the University of California system. Its fourteen colleges and schools offer over 350 degree programs and enroll around 31,000 undergraduate and 12,000 graduate students. A founding member of the Association of American Universities, Berkeley hosts many leading research institutes; founded and maintains close relationships with three national laboratories at Berkeley, Livermore and Los Alamos; and has played a prominent role in many scientific advances, from the Manhattan Project and the discovery of 16 chemical elements to breakthroughs in computer science and genomics. Berkeley is also known for political activism and the Free Speech Movement of the 1960s. UC Berkeley is a partner of the SALURBAL Project.
DETAILED SCHEDULE
DAY 1: TUESDAY 6 JULY 2021

09:00-10:00 EDT
Welcome and Opening

Welcome and conference opening on behalf of ISUH
Dr. Carlos Dora, President-Elect 2021-2023, International Society for Urban Health
Geneva, Switzerland

Welcome on behalf of PAHO/WHO
Dr. Carissa F. Etienne, Director, Pan American Health Organization, Regional Director for the Americas,
World Health Organization
Washington D.C., USA

Ceremonial welcome on behalf of UN-Habitat
Maimunah Sharif, Under-Secretary-General and Executive Director, UN-Habitat
Nairobi, Kenya

Ceremonial welcome on behalf of WHO
Dr. Tedros Adhanom Ghebreyesus, Director-General, World Health Organization
Geneva, Switzerland

Shaping the urban health agenda post-COVID-19: WHO’s commitment and strategies to support local and national action
Dr. Nathalie Röbbel, Unit Head, Urban Health, World Health Organization
Geneva, Switzerland

Welcome on behalf of the SALURBAL Project
Dr. Olga L. Sarmiento, Universidad de los Andes, Salud Urbana en América Latina (SALURBAL)
Bogotá, Colombia

10:00-11:30 EDT
Plenary Session 1: Urban health inequities
Urban health inequities have been both illuminated and exacerbated throughout the COVID-19 pandemic. These inequities disproportionately impact vulnerable populations including migrants, ethnic and racial minorities, poor people, and people living in informal settlements, often with limited access to basic services, and those lacking food, labor and/or social protections. The need to address the social determinants of health, including structural inequities and systemic racism in cities, has never been more urgent or apparent. Effective responses must incorporate community participation, intersectoral action, and inclusive governance. Plenary speakers will explore the impacts of urban health inequities, identify underlying causes, and point to effective policies, strategies and interventions to reduce these inequities.

Moderator: Dr. Gerry Eijkemans, Unit Chief for Health Promotion and Social Determinants of Health, Pan American Health Organization/World Health Organization (PAHO/WHO)
Washington D.C., USA

Urban health inequities: magnitude and drivers
Dr. Ana V. Diez Roux, Principal Investigator, Salud Urbana en América Latina (SALURBAL)
Philadelphia, USA

Addressing inequities through a health in all policies approach: a focus on cities
Dr. Nicole Valentine, Health and Equity Technical Officer, World Health Organization
Geneva, Switzerland

Harnessing urban systems for health equity
Dr. Tolullah Oni, University of Cambridge, Founder of UrbanBetter
Cambridge, UK

Urban sustainability and health equity post COVID-19
Aromar Revi, Indian Institute for Human Settlements, (IIHS)
Bengaluru, India

PROGRAM TIP: Simultaneous English/Spanish will be provided during sessions with this icon.
11:30-12:00 EDT
Virtual Networking Sessions

12:00-13:30 EDT

12:00-13:30 EDT [PN.01]
Panel 1: Place-based drivers of health and health inequities in urban areas: Lessons from SALURBAL
Panel Discussion
Neighborhood and city social and physical environments can determine a wide range of health outcomes, and differences in these environments can lead to inequities in health outcomes within cities and across cities. This panel discussion will focus on aspects of urban city and sub-city environments in Latin America that are associated with self-reported health, diabetes, homicides, and infant mortality. The presented research will summarize select findings from the SALURBAL project, which analyzes urban data from over 350 cities in the region to reveal how cities impact health outcomes, health inequities, and environmental sustainability.

Moderator and panelists: Alejandra Vives¹, Joanna Miguez Nery Guimarães¹, Ariela Braverman Bronstein¹, Uriel Moreira Silva¹, Ana Ortigoza¹
¹Pontificia Universidad Catolica de Chile, Chile. ²FIOCRUZ - Rio de Janeiro, Brazil. ³Drexel Urban Health Collaborative, USA. ⁴Universidade Federal de Minas Gerais, Brazil

12:00-13:30 EDT [PN.02]
Panel 2: Sustained capacity building for multi-sectoral action for health and health equity in cities: Exploring opportunities to develop and sustain capacity for multi-sectoral health and health equity action in cities more effectively
Panel Discussion
Actors and decision-makers at all levels and from many sectors have a role in designing and managing healthy, resilient cities. Working together, urban decision-makers and public health can ensure that health promotion, disease prevention and better health equity through good urban and territorial planning are central components of the communicable disease and NCD reduction and management responses. Correctly applied, and with the needed capacities, silos can be broken, and synergies between urban planning and public health can be developed. This panel is an opportunity to share existing training resources, discuss the needs and gaps in capacity building and the roles of WHO, UN-Habitat, ISUH, cities and countries in building capacity for action in urban health.

Moderator and panelists: Nathalie Roebbel¹, Thiago Herick de Sa², Carlos Dora², Giselle Sebag², Cecilia Andersson³, Laura Petrella³, Pamela Carbajal³
¹WHO, Switzerland. ²ISUH, USA. ³UN Habitat, Kenya

12:00-13:30 EDT [PN.03]
Panel 3: Reverse migration and the pandemic: A masked opportunity for urban and rural regeneration
Panel Discussion
The Covid-19 pandemic has triggered a reverse migration from urban to rural areas. Although this has been temporary, in some places, such as in India it has been a mass immigration, exacerbated by the lockdown measure, causing job loss, food insecurity and rise in inequalities (de Haan, 2020). It has also created opportunities for transformation of more sustainable urban and rural environments, which we discuss in this panel session. This panel discussion will focus on urban–rural migration flows triggered by COVID-19. We invite panel delegates to discuss how future pandemic migration could affect the way we design, invest and govern urban and rural centres to better equip the future. The reverse migration, the return of migrant workers from cities to their rural areas of origin, impacted mostly low and middle-income countries (Khanna, 2020) but has also been anecdotally reported in Europe and other parts of the world.

Moderator and panelists: Emmanuel Tsekleves¹, Claudia de Souza Libanio², Sainath Banerjee³, Yonette Thomas⁴
¹Lancaster University, UK. ²Univesidade Federal de Ciências da Saúde de Porto Alegre, Brazil. ³Asian Development Bank – Center for Urban Health and Development, India. ⁴UrbanHealth360, USA

12:00-13:30 EDT [PN.04]
Panel 4: The COVID-19 lockdown papers: insights, reflections and implications for urbanism and city planning
Panel Discussion
In Spring 2020, countries began experiencing the first wave of coronavirus with many citizens living under lockdown regulations. Scholars from academia and practice contributed their insights and reflections to a unique collection of think-pieces. Fifty-one of these reached publication as special issue of Cities & Health titled ‘Cities, health and COVID-19: Initial reflections and future challenges’; a resource and time-capsule of what we saw then as important, but might easily forget. The collection has many cross-cutting themes. Papers that align with the conference themes have been identified. The panel will focus on lessons learned that address urbanism and city planning.

Moderator and panelists: Marcus Grant¹, Waleska Teixeira Caiaffa², Ana Diez Roux³, Ben Cave⁴, Laura Counsil⁵, Tom Jeffies⁵, Apostolos Kyriazis⁶, Amit Patel⁷
¹Cities & Health, UK. ²Federal University of Minas, Brazil. ³Dornsife PH at Drexel University, USA. ⁴International Association for Impact Assessment, USA. ⁵Queens University Belfast, UK. ⁶Abu Dhabi University and ISOCARP, United Arab Emirates. ⁷University of Massachusetts Boston, USA
[O01] Urban mobility and social inclusion: building healthy, equitable, and inclusive cities

Abstract session
Moderator: Olga Lucia Sarmiento

12:00-12:15 EDT [O01.1]
Transport accessibility to educational & healthcare opportunities in the Greater Accra Metropolitan Area (GAMA), Ghana
Elvis Kyere-Gyeabour1, Ernest Agyemang1, Samuel Agyei-Mensah1, Aruna Sivakumar2, Majid Ezzati2
1University of Ghana, Ghana. 2Imperial College, UK

12:15-12:30 EDT [O01.2]
Development, validation, and use of a mobile app for detecting activity places and travel trajectories in Bogotá
Maria A. Wilches-Mogollon1, María Isabel Arévalo1, Mario Linares-Vásquez2, Olga L. Sarmiento1, María Alejandra Rubio1, Alberto Florez-Pregonero2, Felipe Montes3, Luis A. Guzman1
1Universidad de Los Andes, Colombia. 2Universidad Javeriana, Colombia

12:30-12:45 EDT [O01.3]
Social Inclusion and Physical Activity in Ciclovía Recreativa Programs in Latin America
Carlos Mejía-Arbeláez1, Olga L. Sarmiento1, Rodrigo Mora Vega2, Mónica Flores Castillo3, Ricardo Truffello3, Lina Martínez4, Catalina Medina1, Oscar Guajé1, José David Pinzón Ortiz1, Andres Felipe Useche1
1Universidad de los Andes, Colombia. 2Faculty of Architecture and Urbanism, Universidad de Chile, Chile. 3Centro de Desarrollo Urbano Sustentable, Observatorio de Ciudades UC, Chile. 4Universidad ICESI, Colombia. 5National Institute of Public Health, Mexico, Mexico

12:45-13:00 EDT [O01.4]
Changes in mobility and space use in the superblocks in Barcelona. (Salut Als Carrers)
Katherine Perez1,2,3,4, Laia Palencia1,2,3,4, Brenda Biaani Gómez-Leon1,2,3,4
1Agència de Salut Pública de Barcelona (ASPB), Spain. 2CIBER Epidemiología y Salud Pública (CIBERESP), Spain. 3Institut d’Investigació Biomèdica (IIB Sant Pau), Spain. 4And the team of Salut als Carrers project, Spain

[O02] Promoting cycling and active transport in cities: driving forces and health impacts

Abstract session
Moderator: Mark Nieuwenhuijsen

12:00-12:15 EDT [O02.1]
Impacts of French cycling lane expansion plans on cycling levels: A natural experimental study
Christina Xiao1, David Ogilvie, Esther van Sluijs, Jenna Panter
University of Cambridge, UK

12:15-12:30 EDT [O02.2]
Push or pull? A systematic review and meta-analysis of studies evaluating the effectiveness of ‘carrot’, ‘stick’, and combined interventions on modifying travel behavior
Christina Xiao1, Esther van Sluijs, Richard Patterson, David Ogilvie, Jenna Panter
University of Cambridge, UK

12:30-12:45 EDT [O02.3]
Is the built environment at origin, on the route, and at destination associated with bicycle commuting? A gender-informed approach
Diana Higuera-Mendieta1, Pablo Uriza1,2, Sergio Cabrales1, Andres Medaglia1, Luis A Guzman1, Olga L Sarmiento1
1Universidad de los Andes, Colombia. 2Universidad Sergio Arboleda, Colombia

12:45-13:00 EDT [O02.4]
Health impacts of bike-sharing systems in the U.S.
David Rojas1, Raiven Clockston
Colorado State University, USA

13:00-13:15 EDT [O02.5]
Health impacts of E-Scooters sharing systems in Atlanta and Portland, USA
David Rojas1, Audrey Dickinson
Colorado State University, USA
[O03] Mental health in the city: The role of the social and built environment

Abstract session
Moderator: David Vlahov

12:00-12:15 EDT [O03.1]
Prevalence of general anxiety disorders and insomnia in the context of COVID-19 among the urban poor of Dhaka city
Kamrun Nahar Koly, Mosammat Iylata Khanam, S.M. Manzoor Ahmed Hanifi, Daniel D Reidpath, Sabrina Rasheed
icddr,b, Bangladesh

12:15-12:30 EDT [O03.2]
Assessment of the neighourhood environment and mental health conditions during the COVID-19 pandemic crisis in Portugal
Adriana Loureiro, Ricardo Almendra, Ângela Freitas, Cláudia Costa, Miguel Padeiro, Paula Santana
University of Coimbra, Portugal

12:45-13:00 EDT [O03.4]
Mentally urban. Contact is key: Teaching Urban Design with Public Mental Health – reporting about the success of a too scarcely addressed combo
Dorothee Rummel
TUM, Germany

13:00-13:15 EDT [O03.5]
Risk and protective factors associated with criminal justice involvement among adults experiencing homelessness and living with serious mental illness: Implications for urban service planning
Milad Parpouchi1, Akm Moniruzzaman1, Jane Buxton2, Julian Somers1
1Simon Fraser University, Canada. 2University of British Columbia, Canada

[O04] Urban greenspace, parks, and physical activity: lessons and reflections for building more equitable cities

Abstract session
Moderator: Paula Santana

12:00-12:15 EDT [O04.1]
Park-based physical activity of citizens in Covid-19 era and factors affecting it (Case study: Buin Zahra, Iran)
Faezeh Behnamifard
Iran University of Science and Technology (IUST), Iran

12:15-12:30 EDT [O04.2]
Active use and perceptions of parks as urban assets for physical activity: A mixed-methods study
Mario Fontán-Vela1,2, Jesús Rivera-Navarro1,2, Pedro Gullón1,2, Julia Díez2, Isabelle Anguelovski2, Manuel Franco2,6
1University Hospital Infanta Leonor, Spain. 2University of Alcalá, Spain. 3University of Salamanca, Spain. 4RMIT University, Australia. 5Medical Research Institute Hospital del Mar, Spain. 6Johns Hopkins Bloomberg School of Public Health, USA

12:30-12:45 EDT [O04.3]
Health outcomes associated with access to a neighbourhood park among adults in Philadelphia: Differences by income groups
Russell McIntire1,2, Tiara Halstead2, Devesh Dajee1, Matt Kermitz2, Kyle McGregor1, Sharon L. Larson1
1Thomas Jefferson University, USA. 2Main Line Health System Center for Population Health Research at Lankenau Institute for Medical Research, USA.

12:45-13:00 EDT [O04.4]
The impact of schoolyard greening on children’s physical activity and socioemotional health: A systematic review of experimental studies
Jean Bikomeye, Joanna Balza, Kirsten Beyer
Medical College of Wisconsin, USA

13:30-14:00 EDT
Break and networking sessions
14:00-15:30 EDT

**Plenary Session 2: Transforming built environments**

Urban environments can have profound effects on human health. The built environments of cities interact with complex social conditions and can promote sustainability and health or aggravate illness and disease. Features of built environments differ markedly between and within cities depending on history, cultural context, scale, land use and more. Policies and programs have the power to transform the built environments of cities and neighborhoods to enhance health, improve health equity, and promote environmental sustainability. Plenary speakers will discuss the impact of urban environments on health and real-world examples of successful multisectoral strategies to redesign and transform cities in ways that promote health, health equity and environmental sustainability for all.

**Moderator:** Giselle Sebag, Executive Director, International Society for Urban Health
New York, USA / Madrid, Spain

*Transportation systems for cities of the future*
**Dr. Daniel A. Rodríguez,** Chancellor’s Professor of City and Regional Planning, University of California at Berkeley
Berkeley, USA

*Should we rethink urban design, density and mixed land use post-pandemic? Reflections from Lancaster UK*
**Dr. Rachel Cooper,** Distinguished Professor of Design Management and Policy, Lancaster University
Lancaster, UK

*Transforming our collective urban future through built environments and urban planning*
**Dr. Thiago Hérick de Sá,** Healthy Urban Environment Technical Officer, World Health Organization
Geneva, Switzerland

*Reducing air pollution: pandemic lessons and promising strategies*
**Dr. Sotiris Vardoulakis,** Professor of Global Environmental Health, The Australian National University
Canberra, Australia

15:30-16:30 EDT

**Poster Session 1** (See full list at the end of this program)

16:30-17:30 EDT

**[005] Buildings as determinants of indoor air quality**

Abstract session

**Moderator:** Marcelo Korc

16:30-16:45 EDT [005.1]

**Evaluating the energy-saving potential of earth-air heat exchanger in passive houses in different regions in China**

Jiaxiang Li, Carlos Jimenez-Bescos, John Kaiser Calautit

University of Nottingham, UK

16:45-17:00 EDT [005.2]

**Development of a deep learning-based occupancy detection and recognition approach for optimizing ventilation and indoor air quality**

Paige Wenbin Tien, Shuangyu Wei, John Calautit, Jo Darkwa, Christopher Wood

University of Nottingham, UK

17:00-17:15 EDT [005.3]

**A review of indoor air quality requirements on different levels in building standards and certifications**

Guanqiong Wei¹, Xiyang Yu², Xudong Yang³

¹ Tsinghua University, China. ² China Academy of Building Research, China
[006] Multiple approaches to understanding the built environment in cities

Abstract session
Moderator: Gina Lovasi

16:30-16:45 EDT [006.1]
Built environment profiles for Latin American urban settings: The SALURBAL study
Olga L. Sarmiento¹, Andres F Useché², Daniel A. Rodriguez³, Iryna Dronova⁴, Oscar Guaje¹, Felipe Montes¹, Ivana Stankov¹, Maria Alejandra Wilches¹, Usama Bilal⁵, Xize Wang⁶
¹Universidad de los Andes, Colombia. ²University of California Berkeley, USA. ³Drexel University, USA. ⁴University of Singapore, Singapore

16:45-17:00 EDT [006.2]
Spatial analysis of the built environment and prediction of spatial health data with DNN: The case study of Cardiovascular risk factors in Geneva, Switzerland
Andrea Salmi¹, Jérôme Chenal¹,², Vitor Pessoa Colombo¹
¹École polytechnique fédérale de Lausanne (EPFL) - Urban and regional Planning Community (CEAT), Switzerland. ²École polytechnique fédérale de Lausanne (EPFL) - EXAF, Switzerland

17:00-17:15 EDT [006.3]
Mindset, mindfulness and mastery of a transformational built environment: An African focus
Suki Mwendwa
Technical University of Kenya, Kenya

[007] Urban upgrading and neighborhood recovery programs: understanding impacts and inequities

Abstract session
Moderator: David Vlahov

16:30-16:45 EDT [007.1]
Perceptions of local residents on the health impacts of the Vila Viva urban upgrading program in Belo Horizonte, Brazil
Elis Borde¹, Lidia Maria de Oliveira Morais², Thais Felisberto Pereira¹, Helena Lopes de Barros¹, Laura Parreiras², Maria Cecilia Assis Araújo¹, Raul Lansky de Oliveira²
¹Universidade Federal de Minas Gerais, Brazil. ²Fundação Oswaldo Cruz - MG, Brazil

16:45-17:00 EDT [007.2]
The question of housing at the center of urban health inequities
Vitor Pessoa Colombo, Akuto Akpedze Konou, Jérôme Chenal
École Polytechnique Fédérale de Lausanne, Switzerland

17:00-17:15 EDT [007.3]
Material conditions as social determinants associated with the health of chilean residents in the neighborhood regeneration process
Paola Olave-Müller¹, Natalia López-Contreras², Soledad Burgos De la Vega³
¹Universidad de La Frontera, Chile. ²Universidad Pompeu Fabra, Spain. ³Universidad de Chile, Chile

17:15-17:30 EDT [007.4]
The impact of a multidimensional urban upgrading intervention on robberies in Cape Town: a quasi-experimental evaluation
Samuel Lloyd¹, Brett Bowman², Sulaiman Salau³, Richard Matzopoulos⁴
¹ETH Zurich, Switzerland. ²University of Witwatersrand, South Africa. ³University of Cape Town, South Africa. ⁴South African Medical Research Council, South Africa

[008] Mapping and modelling approaches for understanding housing conditions, poverty, and health

Abstract session
Moderator: Mabel Carabali Mosquera

16:30-16:45 EDT [008.1]
Predicting and mapping poverty in small areas of Dhaka City: A mixed effect model approach using consumption data
Zahidul Quayyum¹, M. Shafiqur Rahman², Md. Uzzal Chowdhury³, Rafiul Alam¹, Manzuka Ahmad Radia¹, Alicia Catherine Cavanagh¹, Brian E Robinson³
¹BRAC University, Bangladesh. ²Dhaka University, Bangladesh. ³McGill University, Canada
16:45-17:00 EDT [O08.2]
“Domains of deprivation framework” for mapping slums, informal settlements, and other deprived areas in low- and middle-income countries (LMICs) to improve urban health, planning and policy
Angela Abascal1, Natalie Rothwell2, Adenike Shonowo1, Dana. R. Thomson1, Peter Elias2, Helen Elsey3, Godwin Yeboah1, Monika Kuffer4
1University of Navarra, Spain. 2University of Warwick, UK. 3University of Lagos, Nigeria. 4University of Southampton, UK. 5University of York, UK. 6University of Twente, The Netherlands

17:00-17:15 EDT [O08.3]
High resolution mapping of poverty and inequality in central Accra: household choice vs neighbourhood infrastructure
Alicia Cavanaugh1, Brian Robinson1, Honor Bixby1, Robert MacTavish1, Alexandra Schmidt2, Jill Baumgartner1, Jacqueline Anum3, Samilia Mintah4, George Owusu3, Majid Ezzati4
1McGill University, Canada. 2Ghana Statistical Service, Ghana. 3University of Ghana, Ghana. 4Imperial College London, UK

[O09] Urban environments and obesity
Abstract session
Moderator: Fernanda Kroker

16:30-16:45 EDT [O09.1]
Educational inequalities in obesity: a multilevel analysis of survey data from cities in Latin America
Mónica Mazariego1, Amy H. Auchincloss2, Ariela Braverman-Bronstein2, María F. Kroker-Lobos1, Manuel Ramírez-Zea2, Philip Hessel3, J. Jaime Miranda4, Carolina Pérez-Ferrer2
1Institute of Nutrition of Central America and Panama (INCAP), Guatemala. 2Drexel University, USA. 3Universidad de los Andes, Colombia. 4Universidad Peruana Cayetano Heredia, Peru. 5National Institute of Public Health, Mexico

16:45-17:00 EDT [O09.2]
Perception, environmental determinants, and health complications of obesity in India: A mixed methods approach
Somdutta Barua
Jawaharlal Nehru University, India

17:00-17:15 EDT [O09.3]
Understanding the obesity dynamics by socioeconomic status in Latin American contexts
Jose D. Meisel1,2, Valentina Esguerra1, Angie M. Ramirez1, Felipe Montes1,2, Ivana Stankov4,5, Carolina Perez6,7, Natalia Tumas8,9,10,11, Juan A. Valdivia12,13, Ana V. Diez Roux14
1Universidad de Ibagué, Colombia. 2Social and Health Complexity Center, Colombia. 3Universidad de los Andes, Colombia. 4Drexel Dornsife School of Public Health, USA. 5University of South Australia, Australia. 6National Institute of Public Health, Mexico. 7National Council for Science and Technology (CONACYT), Mexico. 8Centro de Investigaciones y Estudios sobre Cultura y Sociedad (CIECS), Argentina. 9Consejo Nacional de Investigaciones Científicas y Técnicas (CONICET), Argentina. 10Universidad Nacional de Córdoba, Argentina. 11Universidad Pompeu Fabra, Spain. 12Universidad de Chile, Chile. 13Centro para el Desarrollo de la Nanociencia y la Nanotecnología, CEDENNA, Chile

[O10] Pandemic lock-downs in the city: capturing the effects of mobility restrictions
Abstract session
Moderator: Carolina Perez Ferrer

16:30-16:45 EDT [O10.1]
Simulating the effects of mobility restrictions in the spread of SARS-CoV-2 in metropolitan areas
Sandra Oliveira1, Jorge Rocha1, Ana Isabel Ribeiro2
1Universidade de Lisboa, Portugal. 2Universidade do Porto, Portugal

16:45-17:00 EDT [O10.2]
How the turntables: Estimating spatiotemporal impact of non-pharmaceutical interventions against COVID-19 in a large-scale artificial city
Mikhail Sirenko, Tina Comes, Alexander Verbraeck, Jin Yap, Sahiti Sarva, Daaniel Bilsen
Delft University of Technology, The Netherlands

17:00-17:15 EDT [O10.3]
The impact of mobility restriction measures on the reproductive rate of SARS-CoV-2 in Queretaro, Mexico
Oscar San Roman Orozco1, Santiago Agraz Orozco2, Eugenia Muñoz Ruiz3, María Paula Carrillo Giraldez2
1New York University, USA. 2Universidad Anahuac Queretaro, Mexico
Abstract session
Moderator: Mika Moran

16:30-16:45 EDT [O11.1]
Trauma, green space and mental wellbeing in Rwanda: A cross-sectional study based in Kigali city
Samuel Habimana1,2, Paul Draus1, Salman Qureshi3, Julliette Roddy4, Emmanuel Biracyaza5, Eugene RUTEMBESA2
1Rwanda Resilience and Grounding organization, Rwanda. 2University of Rwanda, Rwanda. 3The University of Michigan-Dearborn, USA. 4Humboldt University Berlin, Germany. 5Northern Arizona University, USA

16:45-17:00 EDT [O26.1]
Miyo-wîcêhtowin: Promoting health among urban Indigenous youth through land-making and human-nature relations
Darrien Morton, Kelley Bird-Naytowhow, Andrew Hatala
University of Manitoba, Canada

17:00-17:15 EDT [O11.2]
Identifying the psycho-social well-being determinants in green neighbourhood and community
Eghosa Ekhaese1, Waqar Hussain2
1Covenant University, Nigeria. 2COMSATS University, Pakistan

[O12] Air pollution and health in urban areas: case studies from Russia, Vietnam, Spain, and Colombia
Abstract session
Moderator: Nelson Gouveia

16:30-16:45 EDT [O12.1]
Health risks and source analysis of heavy metal in atmospheric PM2.5 from urban area of Russian industrial city
Tatyana Krupnova, Olga Rakova
South Ural State University, Russia

16:45-17:00 EDT [O12.2]
PM2.5 pollution analysis and economic quantification of damage on city health using modelling approach: a case study of Ho Chi Minh City, Vietnam
Long Bui, Phong Nguyen, Duyen Nguyen
Ho Chi Minh city University of Technology, Vietnam

17:00-17:15 EDT [O12.3]
Personal exposure to PM10, chromium and lead in a road in Bogotá, Colombia
Luis Camilo Blanco Becerra, Erika Alejandra Noguera López, Diana Julieth Salguero Guerrero, Johan Alexander Álvarez Berrio
Santo Tomás University, Colombia

17:15-17:30 EDT [O12.4]
Air quality evaluation in superblocks, Barcelona
Anna Gómez-Gutiérrez, Marc Rico, Marc Mari-Dell’Olmo, Jaume Arimon, Elisenda Realp-Campalans
Agència de Salut Pública de Barcelona (ASPB), Spain
DAY 2: WEDNESDAY 7 JULY 2021

08:30-10:00 EDT [PN.05]

Panel 5: Evaluating the health impacts of urban policies in Latin American cities: Lessons from SALURBAL

Panel Discussion

Policies and interventions in many sectors (including transport, housing, urban planning, and others) affect the health of people living in cities. With the right information and evidence, cities can design policies across these sectors to promote health and environmental sustainability. Evaluating existing urban policies provides important evidence to policymakers as they design and implement future policies and interventions. These evaluations also improve understanding of the challenges and opportunities associated with real-world policy evaluations, providing lessons to support future research design and implementation. This panel discusses SALURBAL-implemented health evaluations of urban policies and interventions implemented in Latin American cities.

**Moderator and panelists:** Waleksa Teixeira Caiaffa, Alejandra Vives Vergara, Amelita Augusta de Lima Fríche, Olga Lucia Sarmiento Dueñas, Alejandra Jauregui de la Mota, Carolina Perez Ferrer

1. Universidade Federal de Minas Gerais, Brazil. 2. Pontificia Universidad Catolica de Chile, Chile. 3. Universidad de los Andes, Colombia. 4. Instituto Nacional de Salud Publica, Mexico

08:30-10:00 EDT [PN.06]

Panel 6: Regional Movement of Healthy Municipalities, Cities and Communities

Panel Discussion

This discussion will bring together multiple perspectives on local action for promoting a health in all policies approach and community participation, highlighting the role of city networks while drawing on examples of COVID-19 responses. Managers of national networks of healthy municipalities, representatives of municipal associations, mayors from across the region, and regional experts will exchange ideas about the healthy municipalities approach, the experience implementing this approach in the region to-date, and next steps toward building a regional network for healthy municipalities, cities, and communities in Latin America. **Simultaneous English/Spanish translation will be provided during this session.**

**Moderator and panelists:** Gerry Eijkemans, Adriana Stanford, Fernanda Lanzagorta, Raul Shifferli, Edvaldo Nogueira, Celfida Amada Bustillo, Eduardo Colli, Raul Delgado, Anselmo Cancino

1. PAHO/WHO, USA. 2. Secretary of Health, Mexico. 3. Pan American Health Organization, PAHO, USA.

08:30-10:00 EDT [PN.07]

Panel 7: Fostering vibrant urban health systems: Results of participatory action inquiry in three Asian cities

Panel Discussion

Dynamic systems mapping provides a more engaged and impactful methodology for testing urban health solutions in complex settings. This panel will describe the application and outcomes of this participatory approach by the USAID-funded Building Healthy Cities (BHC) project in three cities in Asia. Discussion will explore goodness of fit, and the resulting healthy city action plans.

**Moderator and panelists:** Bailey Goldman, Alsa Bakhtawar, Muh. Afdhal, Thi Kinh Kieu


08:30-10:00 EDT [PN.08]

Panel 8: Coordination, collaboration or confusion? Urban governance and the private sector in the COVID-19 response: experiences from the CHORUS urban health systems research consortium in West Africa and South Asia

Panel Discussion

City governments in many countries in South Asia and Africa are responsible for the health of their populations, including provision of primary care services. The response to COVID-19 has placed great strain across the health and social sectors, highlighting inequities in prevention, care and livelihoods. The pandemic has shown the willingness of some in the private sector to support public health provision across sectors. Understanding the role, experiences and lessons learnt by city and national governments in engaging with the multiplicity of private providers during the COVID-19 response is fundamental to future-proofing urban governance and public health systems. This panel will identify and share lessons learnt from cities in Ghana, Nepal, Nigeria and Bangladesh on the role the private sector has played in the pandemic response, and how far city governments have been able to coordinate, regulate or harness the strengths of the private sector to protect the health of low-income city residents. Our panelists represent the research partners within the CHORUS – Community-led Effective and Responsive Urban Health Systems – research consortium. From January 2020 CHORUS partners conducted detailed policy and media reviews to understand the role and governance of the private sector in the response to COVID-19.

**Moderator and panelists:** Helen Elsey, Zaidhil Quayyum, Rumana Huque, Chinyere Mbachu, Lauren J. Wallace, Genevieve ARYEEETY, Obinna Onwujeke, Sushil Baral, Irene Ayegpong, Deepa Barua, Shophika Regmi

08:30-10:00 EDT [PN.10]
Panel 10: Children Eating Well in Cities: Opportunities and challenges for action in LAC

Panel Discussion

Urbanization is one of the key global trends contributing to the changing face of child malnutrition worldwide. Many families are changing the way they feed their children because of the living conditions, the increasing cost of nutritious foods, and the food environments in cities that promote unhealthy diets and make accessing nutritious foods more difficult. As a result, many children worldwide are not eating the diets they need to grow well. This panel will explore the challenge and opportunity of urban action to prevent childhood overweight and obesity, as well as other forms of malnutrition, with a focus on the role of urban planning in creating healthy and sustainable food environments, especially within Latin America and the Caribbean (LAC). Simultaneous English/ Spanish translation will be provided during this session.

Moderator and panelists: Jo Ivey Boufford¹, Maaike Arts², Nataly Pinto³, Sophia Shuff⁴, Iliana Curiel⁵
¹ UNICEF, USA. ² Regional Advisor, Survive & Thrive, Latin America and Caribbean, UNICEF, USA. ³ Latin America Coordinator, Food Smart Cities, USA. ⁴ Gehl, Denmark. ⁵ Director of Collective Health, City of Bogotá, Colombia

[O13] Mixed-methods and participatory approaches for urban health: understanding challenges and driving change

Abstract session

Moderator: Danielle Ompad

08:30-08:45 EDT [O13.1]
Improving urban public health governance via Call Center 112: A citizen reporting system in Makassar, Indonesia

Amanda Pomeroy Steven¹, Kim Farnham Egan², Raz Wali³, Dinh Sonha⁴, Issa Ahmad⁵, Alain Andi⁶, Afdhal Muh⁷, Kusumaningrum Ayub⁸
¹ JSI Research & Training Institute, Inc., USA. ² International Organization for Migration, Indonesia

08:45-09:00 EDT [O13.2]
Developing a national healthy city indicator system through a Delphi process. The case of the Portuguese Healthy Municipalities Network

Angela Freitas, Adriana Loureiro, Claudia Costa, Ricardo Almendra, Miguel Padeiro, Paula Santana
Centre of Studies in Geography and Spatial Planning (CEGOT), University of Coimbra, Portugal

09:00-09:15 EDT [O13.3]
Dancing the way to women’s health: Facilitators, barriers, and outcomes of two community-based physical activity programs in Colombia using participatory evaluation methodologies

María Alejandra Rubio¹, Paula Guevara², Marcela Urbano³, Santiago Cabas⁴, Carlos Mejia-Arbeleaz⁵, Patricia Rodriguez-Espinosa⁶, Lisa G. Rosas⁷, Abby C. King⁸, Scott Chazdon⁹, Olga L. Sarmiento¹
¹ Universidad de los Andes, Colombia. ² Stanford University, USA. ³ University of Minnesota, USA

09:15-09:30 EDT [O13.4]
Understanding unintentional childhood injuries in Uganda – an exploration of health inequities through photovoice

Charles Ssemugabo¹, Prashant Puvanachandra², Anthony Mugeere³, Bonny Balugaba⁴, Olive Kobusingye⁵, Margaret Peden⁶
¹ Makerere University School of Public Health, Uganda. ² Imperial College London, UK

09:30-09:45 EDT [O13.5]
Overcoming systemic barriers preventing healthy urban development in the UK: Main findings from interviewing senior decision-makers during a three-year planetary health pilot

Daniel Black¹,²,³, Paul Pilkington⁴, Ben Williams⁵, Janet Ige⁶, Emily Prestwood⁷, Alistair Hunt⁸, Eleanor Eaton⁹, Gabriel Scally¹,⁷
¹ University of Bristol, UK. ² University of Reading, UK. ³ db+a, UK. ⁴ UWE Bristol, UK. ⁵ University of Birmingham, UK. ⁶ University of Bath, UK. ⁷ Gabriel Scally Public Health Associates, UK

[O14] Women's health services: inequities in access and utilization

Abstract session

Moderator: Ana Ortigoza

08:30-08:45 EDT [O14.1]
The use of health services in women who live in slums in Belo Horizonte, Brazil

Amanda Silva Magalhães¹, Bruno de Souza Moreira², Amanda Cristina de Souza Andrade³, Débora Moraes Coelho⁴, Waleska Teixeira Caiaffa⁵
¹ Federal University of Minas Gerais, Brazil. ² Federal University of Mato Grosso, Brazil

08:45-09:00 EDT [O14.2]
Improving access to and utilization of reproductive and maternal, newborn, and child health services and practices among young female workers in VSIP industrial zone in Thuy Nguyen district, Hai Phong city, Vietnam

Bui Viet Hung¹, Nguyễn Thị Xuan Mai², Dao Thị Huyen³
¹ Save the Children, Vietnam. ² Hai Phong Department of Health, Vietnam. ³ Hai Phong Labor Union, Vietnam
09:00-09:15 EDT [O14.3]  
Learning from changes concurrent with implementing a complex and dynamic intervention to improve urban maternal and perinatal health in Dar Es Salaam, Tanzania, 2011-2019  
Brenda D’Mello1,2,3, Ziada Sellah1, Grace Magembe4, Natasha Housseine5, Nanna Maalae2,6, Thomas van den Akker7,8, Dan Meyrowitsch9, Timothy Mushii10, Mangalu Maseko11, Dorcas Jidayi12  
1Comprehensive Community Based Rehabilitation in Tanzania, Tanzania, United Republic of. 2University, Dar Es Salaam, Tanzania, United Republic of. 3University of Copenhagen, Denmark. 4University, Dar Es Salaam, Tanzania, United Republic of. 5Tanzania Ministry of Health, Tanzania, United Republic of. 6Aga Khan University, Tanzania, United Republic of. 7Hvidovre Hospital, Denmark. 8Vrije Universiteit Amsterdam, The Netherlands. 9Leiden University Medical Center, The Netherlands. 10Maternal and Newborn Health, Tanzania, United Republic of.

09:15-09:30 EDT [O14.4]  
How far rural-urban differences in interaction with frontline health workers can affect maternal and child health care?  
Shashi Saroj  
Jawaharlal Nehru University, India

Abstract session  
Moderator: David Vlahov

08:30-08:45 EDT [O15.1]  
Socioeconomic inequalities in the incidence of COVID-19 in Barcelona: data and policy responses in different waves  
Davide Malmusi1,2, Maribel Pasarin3,2, Marc Mari-Dell’Olmo1,3, Lucia Artazcoz3,2, Mercè Gotsens3,2, Cristina Rius1,2, Gloria Perez1,2, Maica Rodriguez-Sanz1,2, Conchita Peña4, Carme Borrell1,2  
1Ajuntament de Barcelona, Spain. 2CIBERESP, Spain. 3Agència de Salut Pública de Barcelona, Spain. 4Consorci Sanitari de Barcelona, Spain

08:45-09:00 EDT [O15.2]  
The favorite place and affectivity in the cities: reflections during the social distancing imposed by the pandemic.  
Ana Maria Girotti Sperandio, Marina Corona Cosmo, Juliana Rodrigues Machado, Lauro Luiz Francisco Filho  
Universidade Estadual de Campinas - UNICAMP, Brazil

09:00-09:15 EDT [O15.3]  
Territorial governance for health in three communes of Medellín: Intersectoral actions for community care in the face of COVID-19  
Eliana Martínez-Herrera1,2, Kathleen Chavarria-Guzmán1, David Hernández-Carmona3  
1University of Antioquia, Colombia. 2UPF/GREDS, Spain. 3Group of Research Epidemiology/ National School of Public Health/ University of Antioquia, Colombia

09:15-09:30 EDT [O15.4]  
A “people’s war” against COVID-19: Unmasking the governing power in China and its resilience  
Ziming Li1, Lei Wang1, Xiangming Chen2  
1Wuhan University, China. 2Trinity College, USA

09:30-09:45 EDT [O15.5]  
Stoic or dread? Exploring reactions to the Covid-19 pandemic  
Shreelata Rao Seshadri1, Sudhi Seshadri2, Benson Issac1  
1Azim Premji University, India. 2Independent, India

[O16] Pandemic lessons for city planning  
Abstract session  
Moderator: Gerard Salem

08:30-08:45 EDT [O16.1]  
Built environment parameters and COVID 19 infections in metropolitan Melbourne  
Nana Yaw Oppong-Yeboah, Eric Gaisie  
The University of Melbourne, Australia

08:45-09:00 EDT [O16.2]  
With or without disabilities: Comparing the effects of covid-19 and the implications for community planning  
Brent Chamberlain, Kunhynun Park, Ziqi Song, Hossein Nasr-Isfahani, Jeff Sheen, Teresa Larsen, Novack Novack, Carlos Licon, Samuel Johnson, Keith Christensen  
Utah State University, USA
09:00-09:15 EDT [O16.3]  
Investigating the design principles for transforming built environments over Covid-19 pandemic  
Tannaz Motealleh¹, Parinaz Motealleh²  
¹ Shiraz University, Iran. ² Griffith University, Australia

09:15-09:30 EDT [O16.4]  
Learning from cities' responses to COVID-19 to close the gender gap in urban mobility  
Fatima Ghani¹,², Emmanuel Tsekleves³, Yonette Felicity Thomas⁴  
¹ United Nations University, International Institute for Global Health, Malaysia. ² Convenor of the Design Research Society Special Interest Group on Global Health, UK. ³ Imagination Lancaster, LICA Lancaster University, UK. ⁴ Strategic Transitions, Glenn Dale, USA

10:00-11:30 EDT  
Plenary Session 3: Urban governance and public health systems  
Governments hold ultimate responsibility for guaranteeing those conditions which allow people to be as healthy as possible. Governance for urban health requires political leadership that recognizes the relevance of decisions made in sectors beyond health and healthcare in determining health. Governments also have responsibility for creating and sustaining essential public health systems and infrastructure. Failures to support and expand capacity in the public health system can make it more difficult to advance health in all policies and respond effectively to health emergencies. The authority assigned to city and local governments varies by country, but it is increasingly apparent that the public sector must interact effectively with a growing number of governmental and non-governmental actors to fulfill these responsibilities. Speakers in this session will highlight evidence from and examples of effective participatory governance models and other actions that city governments have implemented to build public health capacity and strengthen political support for policies across sectors that promote urban health and health equity.

Moderator: Dr. Jo Ivey Boufford, Clinical Professor of Global Health and Pediatrics, New York University  
New York City, USA

Urban governance for health: key lessons from the pandemic  
Charlotte Marchandise, Partnerships and Engagement Lead, World Health Organization Academy  
Rennes, France

Managing communicable diseases: the role of urban public health systems  
Dr. K. Srinath Reddy, President, Public Health Foundation of India, Indian National Public Health Institute  
New Delhi, India

A social and racial justice approach to urban governance for health  
Dr. Mary T. Basset, Director, FXB Center for Health and Human Rights, Harvard University  
Boston, USA

Governance of urban health systems: What does it take to make it real?  
Dr. Remy Sietchiping, Chief, Policy, Legislation and Governance Section, Urban Practices Branch, UN-Habitat  
Nairobi, Kenya

11:30-12:00 EDT  
Break and networking sessions

12:00-13:30 EDT  
Plenary Session 4: Urban health over the life course  
The urban setting creates both opportunities for and risks to health across the life course of people living in cities. Many health promotion programs have traditionally been structured around specific life stages, including initiatives targeted at childhood, adolescence, reproductive age, and older adults. However, many of these programs do not specifically address or target the role of the urban environment, and urban development experts and planners are often unaware of the potential health impacts of their interventions. Plenary speakers will reflect on the linkages between the urban setting, the impact of policies to promote the health of urban populations at different stages across the life course, and the sustainability of these policies over time.

Moderator: Dr. Carlos Dora, President-Elect 2021-2023, International Society for Urban Health  
Geneva, Switzerland

Urban placemaking for babies, toddlers and their families  
Cecilia Vaca Jones, Executive Director, Bernard van Leer Foundation  
The Hague, Netherlands
Reproductive health in the city and the impact of COVID-19
Dr. Clea Finkle, Social Science and International Public Health Specialist
Seattle, Washington

Age-friendly environments: What type of city promotes health and wellbeing in old age?
Alana Officer, Unit Head, Demographic Change and Healthy Ageing
World Health Organization, Geneva, Switzerland

Work, rights, and health in the city: What does ensuring a just transition mean in the context of a pandemic?
Sharan Burrow, General Secretary, International Trade Union Confederation
Brussels, Belgium

13:30-14:00 EDT
Break and networking sessions

14:00-15:30 EDT
Panel 9: Characterizing the built and physical environments of cities and their environmental and health consequences: Lessons from SALURBAL
Panel discussion
Research conducted in high income countries has documented the influence of urban built and physical environments on health outcomes, health equity, and environmental factors. However, evidence from lower income countries and the Latin America region specifically is scarce. This panel discussion will focus on examining the relationships of street design, urban form, green space, and population density with a variety of health outcomes including diabetes, road traffic mortality, and homicides. The presented research will summarize select findings from the SALURBAL project, which analyzes urban data to reveal how cities impact health outcomes, health inequities, and environmental sustainability.

Moderator and panelists: Daniel Rodriguez1, D. Alexander Quistberg2, Cecilia Anza-Ramírez3, Mika Moran4, Ione Avila-Palencia5
1University of California - Berkeley, USA. 2Drexel Urban Health Collaborative, USA. 3Universidad Peruana Cayetano Heredia, Peru

[PN.09] – NOTE: THIS SESSION IS AVAILABLE ON-DEMAND AS A PRE-CONFERENCE WORKSHOP
Panel discussion
The Healthy Cities for Adolescents (HCA) program is a Fondation Botnar initiative managed by The International Society for Urban Health (ISUH). The global initiative, currently in its 3rd year of implementation, aims to address the health and wellbeing of young people in intermediary cities through multi-stakeholder, community-led programs and projects. The global program includes cities in Senegal, Ghana, Colombia, India, and Vietnam. The program particularly focuses on adolescents, recognising their strengths in bringing innovative ideas, their global reach, and engagement through technology by establishing mechanisms of civic participation that promote citizen voice and action. The diverse panel will reflect on how the cities they live and work in are responding to the Covid-19 crisis, critical solutions that young people continue to suggest, and how adolescents can collaborate as equal stakeholders in driving change in their respective cities.

Moderator and panelists: Joyati Das1, Natalia Lleras2, Amadou Moctar Ndiaye2, Anta Badji3, Delali Margaret Badasu4, Najat Jibreel5, Sambhavna Biswas6, Priyanka Routh7, Nguyen Thi Trang8, Thiago Herick de Sa9, Doug Ragan10
1Program Director, Botnar Healthy Cities for Adolescents Program, Australia. 2Vivo Mi Calle, Colombia. 3Fort pour le Futur, Senegal. 4Youth Representative, Senegal. 5Responsive Adolescent Health Interventions, Ghana. 6Youth Representative, Ghana. 7Hádarshak, India. 8Youth Representative, India. 9Co-Creating Healthy Cities for Adolescents and Youth in Viet Nam, Vietnam. 10World Health Organization, Genève, Switzerland. 11UN Habitat, Kenya

14:00-15:30 EDT [PN.12]
Panel 12: Placemaking as Urban Health Strategy in Latin America: Case studies from Mexico, Argentina and Brazil
Panel discussion
The COVID-19 pandemic has changed the way we live in public spaces in Latin America. Placemaking has been implemented in the region with diverse outcomes during the pandemic to activate and recover public spaces and outdoor activities. The panel will share three urban interventions in Mexico, Argentina, and Brazil. Where from a methodological and pragmatic perspective, they will be analyzed and contrast with the other. A discussion will take place where the successes and failures of the strategies will be spoken with the idea to generate common knowledge for future interventions. Simultaneous English/Spanish translation will be provided during this session.

Moderator and panelists: Guillermo Bernal1, Carolina Huffmann2, Leonardo Brawl3
1Fundación Placemaking México, Mexico. 2PlacemakingX, USA. 3Urbanismo Vivo, Argentina. TranslabUrb, Brazil
[O17] Policymaking and governance for urban health: lessons and tools
Abstract session
Moderator: Celine Rozenblat

14:00-14:15 EDT [O17.1]
Building healthy communities in a post-pandemic landscape: an examination and evidence synthesis of resources to support decision-making on environmental sustainability, economic uncertainty, and pandemic recovery
Candace Nykiforuk, Genevieve Montemurro, Olivia Kim
University of Alberta, Canada

14:15-14:30 EDT [O17.2]
Participatory governance in the context of Portuguese municipal health planning: Exploring stakeholders and citizens perspectives on place-based health priorities
Angela Freitas, Adriana Loureiro, Claudia Costa, Ricardo Almendra, Miguel Padeiro, Paula Santana
Centre of Studies in Geography and Spatial Planning (CEGOT), University of Coimbra, Portugal

14:30-14:45 EDT [O17.3]
Urban Health Governance Index (UHGI): A feasible method for Latin American cities using UN-Habitat principles
1 Federal University of Minas Gerais, Brazil. 2 Drexel University, USA

14:45-15:00 EDT [O17.4]
Operationalizing the IDEAMAPS approach to deprived area mapping: A practical toolkit for government
Dana Thomson, Scott Adams, Phoenix Do, Mikaela Becker, Kiarri Kershaw
1 University of Southampton, UK. 2 University of Twente, The Netherlands. 3 University of Lagos, Nigeria. 4 University of Warwick, UK. 5 African Population & Health Research Center, Kenya

15:00-15:15 EDT [O17.5]
Urban labor policy as health policy: Quasi-experimental evidence from US metropolitan living wage ordinances
Mustafa Hussein, Ana Diez-Roux, Scott Adams, Phoenix Do, Mikaela Becker, Kiarri Kershaw
1 University of Wisconsin-Milwaukee, USA. 2 University of Wisconsin-Madison, USA. 3 Drexel University, USA. 4 Northwestern University, USA

[O18] COVID-19 in cities: understanding exposure, incidence, and equity
Abstract session
Moderator: Leticia Cardoso

14:00-14:15 EDT [O18.1]
Racial inequities in COVID-19 mortality and the contribution of residential segregation in Brazil
Joanna MN Guimarães, Leticia Cardoso, Amelia Augusta de L Friché, Ana V Diez Roux, Anne D Slocv, Gervasio Santos, Nelson Gouvea, Sharrelle Barber, Usama Bilal, Waleska T Caiaffa
1 Fiocruz, Brazil. 2 Federal University of Minas Gerais (UFMG), Brazil. 3 Drexel University, USA. 4 University of Sao Paulo, Brazil. 5 CIDACS Fiocruz, Brazil

14:15-14:30 EDT [O18.2]
Spatial inequalities of COVID-19 incidence and associated risk factors in Portugal
Ricardo Almendra, Paula Santana, Cláudia Costa
1 University of Coimbra, Portugal. 2 CEGOT-UC, Portugal

14:30-14:45 EDT [O18.3]
The COVID-19 pandemic of Indian urban corridor area: A District level correlates of Amritsar-Ajmer Axis via Delhi
Kousik Das Malakar
Central University of Haryana, India

14:45-15:00 EDT [O18.4]
Seroprevalence of SARS-CoV-2 antibodies in an occupational sample of factory workers in and around Dhaka, Bangladesh
Sohana Shafique, Dipika Shankar Bhattacharyya, Md. Rayhanul Islam, Syed Mazoor Ahmed Hanifi, Aliya Naheed, Shaikh Mehdi Hasan, Rubhana Raqib, Daniel D Reidpath
1 Health Systems and Population Studies Division, icddr,b, Bangladesh. 2 Infectious Diseases Division, icddr,b, Bangladesh
[O19] Urban health and ageing populations
Abstract session
**Moderator:** Jana Hirsch

14:00-14:15 EDT [O19.1]
Association of aging and self-reported health in Latin American urban areas and its modifications by gender and city level socioeconomic characteristics
Marianela Castillo-Riquelme1, Tonatiuh Barrientos2, Tania Alfaro3, Sandra Flores-Alvarado1, Olga L Sarmiento2, Andrés Trotta2, Camila Teixeira Vaz2, Ana Diez-Roux3, Mariana Lazo1
1 Universidad de Chile, Chile. 2 Instituto Nacional de Salud Pública, Mexico. 3 Universidad de los Andes, Colombia. 4 National University of Lanus, Argentina.

14:30-14:45 EDT [O19.2]
Neighborhood characteristics associated with walking in older Brazilians: findings from the ELSI-Brazil study
Bruno de Souza Moreira1, Amanda Cristina de Souza Andrade2, Luciana de Souza Braga3, Alessandra de Carvalho Bastone3, Juliana Lustosa Torres1, Maria Fernanda Furtado Lima-Costa4, Camila Teixeira Vaz2, Waska Teixeira Caiaffa1
1 Federal University of Minas Gerais, Brazil. 2 Federal University of Mato Grosso, Brazil. 3 Federal University of Vales do Jequitinhonha e Mucuri, Brazil. 4 René Rachou Institute - Oswaldo Cruz Foundation, Brazil.

15:00-15:15 EDT [O19.3]
Neighbourhood racial/ethnic clustering and longitudinal change in cognition: The multi-ethnic study of atherosclerosis
Lilah Besser1, Oanh Meyer2, Miranda Jones3, Duyen Tran4, Michaela Booker5, Diana Mitsova6, Rachel Peterson7, James Galvin8, James Bateman9, Kathleen Hayden10
1 Florida Atlantic University, USA. 2 University of California, Davis, USA. 3 Johns Hopkins University, USA. 4 University of Miami, USA. 5 Wake Forest University, USA.

15:30-16:30 EDT
**Poster Session 2 (See full list at the end of this program)**

16:30-17:00 EDT [O20.1]
Governance Challenges in the Existing Solid Waste Management Sector in Dhaka, Bangladesh
Delufa Tuz Jerin, Hasna Hena Sara, Marzuka Ahmad Radia, Zahidul Quayyum, Md. Tanvir Hasan, Shahriar Hasan, Salma Akter Urme, Prianka Sultana Hema, Camilla Audia
James P Grant School of Public Health, BRAC University, Bangladesh

16:45-17:00 EDT [O20.2]
Household waste generation to disposal in secondary transfer stations in Dhaka city: Barriers and facilitators influencing environmental sustainability
Marzuka Ahmad Radia1, Md. Uzzal Chowdhury1, Shahid Ahmed1, Prianka Sultana Hema1, Shahriar Hasan1, Delufa Tuz Jerin1, Rafiul Alam1, Hasna Hena Sara1, Zahidul Quayyum1, Md. Tanvir Hasan1
1 BRAC University, Bangladesh. 2 Disabled Rehabilitation and Research Association (DRRA), Bangladesh

17:00-17:15 EDT [O20.3]
Urban waste management culture in calabar metropolis
Joseph Okputu, Matthew Abutunghe
University of Calabar, Nigeria
[O21] Social and built environments as determinants of urban health in Latin America

Abstract session
Moderator: Andres Trotta
This session will take place in Spanish.

16:30-16:45 EDT [O21.1]
Social housing regeneration perceptions and expectations related to health and quality of life in a villa in Viña del Mar, Chile: A qualitative study
Laura Orlando
Pontificia Universidad Católica de Chilé, Chile

16:45-17:00 EDT [O21.2]
Healthy housing inclusion project: Campinas experience, São Paulo - Brazil
Daniel Pereira Rocha1, Josefa Maria Aparecida Paranaiba1, Jonatha Roberto Pereira1, Ana Maria Girotti Sperandio2, Tailana Fraga Lima2
1COHAB - Companhia de Habitação Popular de Campinas, Brazil. 2Universidade Estadual de Campinas, Brazil

17:00-17:15 EDT [O21.3]
effects of an urban regeneration program on related social determinants of health in Chile: A pre-post intervention study
Natalia López-Contreras1, Vanessa Puig-Barrachina2, Alejandra Vives3, Paola Olave-Müller2, Mercè Gotsens2,3
1Universitat Pompeu Fabra, Spain. 2Agència de Salut Pública de Barcelona, Spain. 3Pontificia Universidad Católica de Chile, Chile. 4Universidad de La Frontera, Chile. 5Institut d’Investigació Biomèdica (IIB Sant Pau), Spain

17:15-17:30 EDT [O21.4]
Contribución femenina a la construcción de un espacio saludable en Santa Bárbara d’Oeste, São Paulo - Brasil.
Ana Maria Girotti Sperandio, Tailana Fraga Lima
Universidade Estadual de Campinas, Brazil

[O22] Urban development, regeneration, and displacement: Challenges and opportunities for building more equitable cities

Abstract session
Moderator: David Rojas

16:30-16:45 EDT [O22.1]
Transit development without displacement? Urban health indicators for tracking the racial equity impacts of light rail expansion in Seattle
Moriah McSharry McGrath1, Priyanka Gautam2
1Portland State University, USA. 2Oregon Health and Science University - Portland State University, USA

16:45-17:00 EDT [O22.2]
Living in gentrified neighbourhoods, perceptions of gentrification, and health outcomes among adults in Montreal, QC
Caislin Firth1, Jana A. Hirsch1, Daniel Fuller1, Meghan Winters2, Yan Kestens3
1Simon Fraser University, Canada. 2Drexel University, USA. 3Memorial University, Canada. 4University of Montreal, Canada

17:00-17:15 EDT [O22.3]
Health and equity opportunities of commercial corridors revitalization in Colorado
David Rojas, Lauren Ratliff
Colorado State University, USA

[O23] Making streets safer: Examples from Ghana and the UK

Abstract session
Moderator: Alex Quistberg

16:30-16:45 EDT [O23.1]
Walking safety: Measuring objective safety in the greater London area
Thomas Tasious1, Kavi Bhalla2, Suel Esra3, Ricky Navthani1, Majid Ezzati2
1Imperial College London, UK. 2The University of Chicago, USA

16:45-17:00 EDT [O23.2]
Exploration of motorcyclists’ behavior and safety equipment use at signalized intersections in a developing country metropolis
Thomas Ojo1, Mercy Amegah1, Shabu Bukari1, Kofi Adanu1, Fillipo Asare-Akuffo1
1University of Cape Coast, Ghana. 2University of Alabama, USA. 3Florida State University, USA
[O24] COVID-19, housing, and health: learning from pandemic responses from across the Americas
Abstract session
Moderator: Tonatiuh Barrientos

16:30-16:45 EDT [O24.1]
Housing, neighborhood and city in the control of covid-19: Public policies and socio-urban aspects in the disposition to isolation and distancing in Chile
Javier Ruiz-Tagle, Macarena Ibarra, Felipe Link, Maria Luisa Mendez, Christian Matus, Felipe Valenzuela
Pontifical Catholic University of Chile, Chile

16:45-17:00 EDT [O24.2]
Implementation of health measures related to COVID-19 and risks for people living with residential instability in times of crisis
André-Anne Parent, Edward Ou Jin Lee
Université de Montréal, Canada

17:00-17:15 EDT [O24.3]
Covid-19 in real time: comparing the struggle of three slums in Buenos Aires, Argentina
Cecilia Cabrera, Michael Cohen, Carolina Diaz, Maria Belen Foodde, Margarita Gutman, Barbara Mora Doldan, Matias Ruiz Diaz
Observatory on Latin America, The New School, USA

[O25] Women's, children's, and adolescent health in informal settlements
Abstract session
Moderator: Guta Friche

16:30-16:45 EDT [O25.1]
Prevalence of anemia among out of school adolescent girls: Evidence from NFHS-4
Purva Bhalla
Institute of Economic Growth, India

16:45-17:00 EDT [O25.2]
Do policies and programs address nutrition and water, sanitation and hygiene (WASH) challenges faced by children and adolescents in urban slums in Nairobi? An assessment of the policy and program environment in Kenya
Antonina Mutoro, Emily Peca, Esther Anono, Milka Wanjohi, Elizabeth Kimani-Murage
1 African Population and Health Research Center, Kenya. 2 University Research Co. LLC, USA

17:00-17:15 EDT [O25.3]
Literature review on the health of women in informal settlements
Elizabeth Weaver, Amy Richmond, Kathryn Pegues
USMA West Point, USA

[O26] Urban greenspace as a tool for public health
Abstract session
Moderator: Mika Moran

16:45-17:00 EDT [O26.2]
Towards preventative urban health resilience in Cairo
Mohamed Abdelmoneim Gad
Universitat Internacional de Catalunya, Spain. Technische Universität Darmstadt, Germany

17:00-17:15 EDT [O26.3]
Built environment and public health: Assessing urban green space provision inequalities in Colombian cities
Jorge E. Patiño, Juan C. Duque
Universidad EAFIT, Colombia

17:15-17:30 EDT [O26.4]
The lack of green spaces and premature mortality in European cities: An urban burden assessment
Evelise Pereira Barbosa, Marta Cirach, Sasha Khomenko, Tamara Lungman, Natalie Mueller, Jose Barrera-Gomez, David Rojas-Rueda, Michelle Kondo, Mark Nieuwenhuijsen
1 Barcelona Institute for Global Health (ISGlobal), Spain. 2 Pompeu Fabra University, Spain. 3 CIBER Epidemiology and Public Health, Spain. 4 Colorado State University, USA. 5 USDA Forest Service, USA
Panel 22: The Belmont Forum Climate, Environment and Health II Collaborative Research Action

Panel discussion

This interactive session, hosted by the Inter-American Institute for Global Change Research (IAI) on behalf of the Belmont Forum, will elicit input from researchers and practitioners on potential research priorities related to the urban health, climate, and environment nexus for the second round of the Belmont Forum Climate, Environment and Health Collaborative Research Action (CEH2). The Belmont Forum is a group of approximately 28 science funding institutions and partners who work together to develop and fund Collaborative Research Actions for environmental change issues that require global coordination. It aims to accomplish scientific goals, create synergies, and avoid duplication. The Belmont Forum seeks to address the thematic breadth and institutional diversity of the CEH space through sustained funding, fostering innovative research approaches, North-South collaboration, new institutional partnerships, and effective engagement of the health sector with environmental issues. It further aims to actively engage new partner institutions and programs in the highly flexible CEH2 scoping process. The first round of the CEH involved thirteen funding institutions from nine countries, awarding nine grants in 2020. Urban health featured in various of the funded projects, including work on climate, heat, and maternal and neonatal health in sub-Saharan Africa; health effects and associated socio-economic costs of increasing temperatures and wildfires; early warning systems for mosquito borne disease; and extreme weather-related diarrheal illness in the Asia Pacific region. In spring 2021, led by the US Global Change Research Program (USGCRP), Belmont Forum members and partners began planning for CEH2. This session will contribute to the scoping for this important CRA; funding for CEH2 is expected to begin in 2023. Please join us to learn about the Belmont Forum and CEH2, provide input on research priorities related to urban health, and see how you can help shape our plans! Simultaneous English/Spanish translation will be provided during this session.

Moderator and panelists: José Siri, Juli Trtanj, Anna M. Stewart Ibarra, Erica Key
notably, slum dwellers, migrants and the urban poor. This fact underscores the need for a renewed focus on inclusivity in urban health equity in the context of the COVID-19 pandemic and recovery. Discussion will center around the role of community members and civil society in decision-making at the city level, and an exchange of successful examples of intersectoral collaboration. With the participation of city officials as well as regional governance experts, this panel seeks to analyze the role and toll of the pandemic on governance in cities, the driving forces behind increasing disparities both within and across cities, and opportunities to strengthen governance structures to support health and wellbeing at the local level.

Moderator and panelists: Gerry Eijkemans1, Ana Díez Roux2, Diana Alarcon3, Johny Araya4, Alejandro Gomez4, Carolina Cosse1, Marta Suplicy1
1PAHO/WHO, USA. 2Salurbal, USA. 3

Panel 14: Introducing the Health through Housing Coalition - connecting across disciplines and geographic areas through an online platform for knowledge exchange and partnerships to advance the topic of health in housing

Panel Discussion: The Health through Housing Coalition enables professionals from diverse fields to develop collaborative projects, exchange knowledge, and connect over the intersection of health and housing. Initiated and launched by ARCHIVE Global, along with various collaborators, this digital platform provides resources, tools, and opportunities for architects, designers, planners, policymakers, public health professionals, and academics to connect. The panel will bring together founding board members, each with diverse perspectives, to discuss the gap the coalition seeks to address, and the need for collaboration and innovation to achieve healthy housing for all.

Moderator and panelists: Emily Nix1, Anne Wilson2, Nathalie Roebbel1, Graham Alabaster3, Illya Azaroff5, Sarah Ruel-Bergeron6
1University of Liverpool, UK. 2Liverpool School of Tropical Medicine, BOVA Network, UK. 3WHO, Switzerland. 4UN-Habitat, Kenya. 5The American Institute of Architects, USA. 6RA, ARCHIVE Global, USA

Panel 15: Accelerating the use of evidence to address nutrition and WASH inequities among poor urban children and adolescents in East Africa

Panel Discussion: Regional learning collaborations are a vehicle to leverage existing information, identify drivers of inequity, and to catalyze action to improve nutrition and WASH services for poor urban children and adolescents in East Africa. Lessons learned and implications in the context of a global pandemic will be addressed. The objectives of this panel include the following: - Review the underlying causes, social and other determinants associated with nutrition and WASH outcomes among poor children and adolescents. - Discuss the lessons learned from the implementation science and learning collaboration and opportunities to foster evidence-to-use acceleration for decision-making. - Consider the implications of COVID-19 on addressing nutrition and WASH inequities in poor urban settings in East Africa.

Moderator and panelists: Ester Elisaria1, Jane Wanyama2, Elizabeth Kimani-Murage3, Churchill Shakim4, Yoswa Dambisya5, Gabriele Fontana6, Emily Peca7, Antonina Mutuo8, Sharon Among9, Cudjoe Bennett8
1Ifakara Health Institute, Tanzania, United Republic of. 2Infectious Diseases Institute, Uganda. 3African Population and Health Research Center, Kenya. 4TAMASHA, Tanzania, United Republic of. 5East Central Southern Health Community, Tanzania, United Republic of. 6UNICEF ESARO, Kenya. 7University Research Co., LLC, USA. 8African Population & Health Research Centre, Kenya. 9

Panel 16: Multi-level governance for effective and inclusive public health responses

Panel Discussion: As the impacts of COVID-19 on lives, health care systems, economies and social dynamics continue to be felt, cities have found themselves at the centre, due to their concentration of populations and socio-economic activities that has not only increased the disproportionate impact of the pandemic on them, but also offered glimpses of hope for recovery. Urban authorities have been crucial players in addressing the health and wider socio-economic effects of COVID-19 though diverse forms of engagement. It has become increasingly clear that an effective response to the pandemic requires strong and functional institutions at levels of government working in a coordinated and collaborative manner. National, subnational and local governments have appreciated the magnitude, complexity and urgency of the challenge that the pandemic presents and engaged in multi-level governance - understood as both vertical and horizontal collaboration in the design and implementation of measures - to complement each other’s activities and streamline their responses. Even as wide-ranging measures are undertaken by various governments, two observations have been noticeable. First, the contagion has highlighted the extent of underlying social and economic inequalities as various groups have been disproportionately hit by the pandemic’s health and associated effects, most notably, slum dwellers, migrants and the urban poor. This fact underscores the need for a renewed focus on inclusivity in urban governance. Second, there has been accelerated uptake of digital technologies to contain the spread of the virus, share information as well as ensure the continuity of urban services.
While this bodes well for the overall strength of public health systems, there is a risk of wider gaps in the digital divide. The objectives of this panel discussion include the following: - Understand multi-level governance and how to improve vertical and horizontal linkages among and between different levels of governments and sectoral institutions in the wider context of COVID-19; - Discuss ways of enhancing inclusivity in urban governance for more effective public health responses and post-covid recovery; and - Learn more about how cities can leverage the use of data and technologies for inclusive and evidence-based urban governance. *Simultaneous English/Spanish translation will be provided during this session.*

**Moderator and panelists:** Remy Sitechiping1, José Álvarez Muñoz2, Pontus Westerberg3, Yolanda Bichara2, Xavier Tiana Casablanca4, Marius Pieterse2, Jo Boufford1
1 UN Habitat, Kenya. 2 ISUH, USA

**[O27] Climate change and infectious disease: a critical urban health challenge**
Abstract session
**Moderator:** Mabel Carabali Mosquera

**08:30-08:45 EDT [O27.1]**
Assessing the current and future suitability to the Asian Tiger mosquito, a dengue and Zika vector, in major cities in Europe
Sandra Oliveira, Jorge Rocha, Carla Sousa, César Capinha
Universidade de Lisboa, Portugal

**08:45-09:00 EDT [O27.2]**
Rural bush mosquito or urban vector? A 10-year retrospective analysis of climate and landscape factors relating to invasion and establishment of *Aedes japonicus* in Rhode Island, USA
Janelle Couret1, Nathalie Lavoie2, Hanan Bankhâ2, Howard Ginsberg3, Roger Lebrun1, Alan Gettman4
1 University of Rhode Island, USA. 2 Tufts University, USA. 3 USGS, USA. 4 Rhode Island Department of Environmental Management, USA

**09:00-09:15 EDT [O27.3]**
A new concept to implement in a spatiotemporal health impact assessment related to waterborne pathogens in urban floodwater using QMRA, disease burden by DALYs, and ID20 hydrodynamic model. Case study: Ninh Kieu district, Can Tho city - A lower Mekong basin in Vietnam
Nguyen Thi Thao Huynh1,2,3, Gerald Corzo Perez1, Assela Pathirana1,2,3, Chris Zevenbergen1,2
1 IHE Delft Institute for Water Education, The Netherlands. 2 Delft University of Technology, The Netherlands. 3 Viet Nam National University - Ho Chi Minh City, Vietnam. 4 United Nations Development Programme, Maldives. 5 Ministry of environment, Maldives

**09:15-09:30 EDT [O27.4]**
Trend in mortality from infectious diseases in rural and urban areas in Spain
Almudena Moreno1, Enrique Regidor2
1 Universidad Pública de Navarra, Spain. 2 Universidad Complutense de Madrid, Spain

**09:30-09:45 EDT [O27.5]**
Impact of climate induced migration on healthcare seeking behavior of residents living in rural and peri-urban areas of Bangladesh
Ivy Lata, Abdul Khalek, Hasan Mahmud, Daniel Reidpath, Hanifi SMA, Sabrina Rasheed
International Centre for Diarrhoeal Disease Research, Bangladesh

**[O28] Climate change vulnerability, response, and resilience: co-benefits for health in cities**
Abstract session
**Moderator:** Ione Avila-Palencia

**08:30-08:45 EDT [O28.1]**
Development of A Multi-Criteria Decision Support Tool to Assess the Vulnerability and Resilience of French Municipalities to the Impacts of Climate Change on Population Health
Hiago Pereira Barbosa1,2, Gustave Ilunga2,3, Anne Roué-Le Gall2,3, Marie-Florence Thomas1,2
1 Université de Rennes, France. 2 Department of Environmental and Occupational Health, France

**08:45-09:00 EDT [O28.2]**
Estimating the 2030 air quality and public health co-benefits of climate change mitigation and adaptation actions: An interdisciplinairy modelling study in Ahmedabad, India
Vijay Limaye1, Akhilesh Magal2, Jay Joshi3, Sujit Maji4, Priya Dutta5, Prima Madan5, Suvarna Tikele5, Gufran Beig6, Dileep Mavalankar5, Kim Knowlton1,5
1 Natural Resources Defense Council, USA. 2 Gujarat Energy & Research Management Institute, India. 3 Indian Institute of Tropical Meteorology, Ministry of Earth Sciences, India. 4 Indian Institute of Public Health, Gandhinagar, India. 5 Mailman School of Public Health, Columbia University, USA
09:00-09:15 EDT [O28.3]
Environmental, health, and economic benefits of urban greening and cool roofs in India
Benjamin Steiger¹, Caroline Hoffman¹, Sophie Kimball¹, Kathleen Chen¹, Vijay Limaye²
¹Columbia University Mailman School of Public Health, USA. ²Natural Resources Defense Council, USA

09:15-09:30 EDT [O28.4]
Role of agricultural farms in helping with water security in peri-urban slums: lessons from Indore and Agra, India
Siddharth Agarwal¹, Kanupriya Kothiwal², Shabnam Verma³, Mayaram Sharma³, C B Sharma³, Neeraj Verma², Kailash Vishwakarma²
¹Urban Health Resource Centre, New Delhi, India. ²Urban Health Resource Centre, Indore, India. ³Urban Health Resource Centre, Agra, India

[O29] Climate change, extreme heat, and urban health
Abstract session
Moderator: Sotiris Vardoulakis

08:30-08:45 EDT [O29.1]
Heat action plans in India and their effectiveness in managing urban health impacts of climate change
Neethi Rao
Independent, India

08:45-09:00 EDT [O29.2]
Temperature and birth weight in Latin American cities
Marvia Bakhtisivarava¹, Ana Ortizgoza², Ariela Braverman-Bronstein², Josiah Kephart², Santiago Rodriguez², Jordan Rodriguez Hernandez², Ana Diez-Roux², Brisa Sanchez²
¹University of California Berkeley, USA. ²Drexel University, USA. ³Universidad Nacional de Córdoba, Argentina

09:00-09:15 EDT [O29.3]
Mapping heatwave induced health risk using remotely sensed data and socioecological indicator in major cities of Bangladesh
Muhammad Mainuddin Patwary
Environment and Sustainability Research Initiative, Bangladesh

09:15-09:30 EDT [O29.4]
Field measurement study on outdoor thermal environment of children's height level at kindergarten
Liyang Fan¹, Yingli Xuan², Shinji Yamamura¹, Takeshi Kondo¹
¹Nikken Sekkei Research Institute, Japan. ²Tokyo Polytechnic University, Japan

09:30-09:45 EDT [O29.5]
A multi-source data-driven approach for extreme heat events risk assessment in the high-density city of Shenzhen
Yingsheng Zheng, Yijun Zhou, Mo Wang
Guangzhou University, China

Abstract session
Moderator: Carlos Dora

08:30-08:45 EDT [O30.1]
Short-term impacts of Covid-19 mobility reductions on city-scale air pollution and health
nahid mohajeri¹, Alima Walch², Agust Gudmundsson³, Clare Heaviside¹, Sadaf Askari¹, Paul Wilkinson¹, Michael Davies⁴
¹University College London, UK. ²Solar Energy and Building Physics Laboratory, EPFL, Switzerland, UK. ³Royal Holloway, University of London, UK. ⁴Smart Cities Lab in Hynbrew Consultancy, UK. ⁵London School of Hygiene and Tropical Medicine, UK. ⁶Institute of Environmental Design and Engineering, Bartlett School of Environment, Energy and Resources, University College London, UK

08:45-09:00 EDT [O30.2]
Air pollution and COVID-19 spread in the city of Varese, Northern Italy: A complete-year, individual-level analysis
Giovanni Veronesi¹, Giuseppe Calori¹, Nicola Pepe¹, Marco Ferrario¹
¹University of Insubria, Varese, Italy. ²ARIANET s.r.l., Via Gilino 9, Milano, Italy

09:00-09:15 EDT [O30.3]
Social determinants of health and its effect on the development of COVID-19 in the inhabitants of Bogota during 2020
Nathalia Solís Oñate, Stefany Solís Oñate, Luis Camilo Blanco Becerra
Universidad Santo Tomás, Colombia
10:00-11:30 EDT
Plenary Session 5: Climate change and urban health

Climate change is a major driver of urban health. Cities are especially susceptible to the adverse impacts of warming, sea-level rise, and increasingly frequent and severe extreme events. These impacts are inequitably distributed, and they are disproportionately experienced by vulnerable urban populations. Cities, in turn, play an important role in driving climate change. Urban areas contribute significantly to energy use, greenhouse gas emissions, and resource consumption – and present unique opportunities to mitigate environmental impacts, adapt to change, and promote health. This plenary session will center around the impact of climate change on health and health equity in cities; the health and environmental co-benefits of urban policies; and ways that cities can be designed, built, and governed to reduce environmental impacts and mitigate the effects of climate change on health.

Moderator: Dr. José Siri, Senior Science Lead - Cities, Urbanisation and Health, Our Planet Our Health, Wellcome Trust
London, United Kingdom

Urban living and environmental sustainability: challenges and opportunities

Dr. Karen C. Seto, Frederick C. Hixon Professor of Geography and Urbanization Science, Yale School of the Environment
New Haven, USA

Diet as a driver of health challenges and climate change: priorities for policy action

Dr. Juan Rivera, General Director, National Institute of Public Health
Mexico City, Mexico

Building healthy, resilient, and equitable cities: insights from two secondary cities

Heidi Tuhkanen, Senior Expert, Environmental Management Programme, Stockholm Environment Institute
Tallin, Estonia

Cities in the era of climate change and planetary health: Lessons from Asia

Dr. Renzo Guinto, Associate Professor of Global Public Health, Inaugural Director, Planetary and Global Health Program, St. Luke’s Medical Center College of Medicine
Quezon City, Philippines

11:30-12:00 EDT
Break and networking sessions

12:00-13:30 EDT

12:00-13:30 EDT [PN.17]
Panel 17: Systems thinking for urban health in Latin America: Lessons from SALURBAL

Panel Discussion
Cities are complex systems. Systems thinking approaches can provide insight into the dynamic relationships between the urban environment, health, and environmental impact. Systems approaches can help researchers to identify the potential and likely impacts of urban policies under different conditions. The SALURBAL focuses its systems research on two specific areas, using several different methodologies: urban food systems and urban transportation systems. This panel describes SALURBAL’s activities implementing community-based systems dynamics workshops and developing agent-based models to better understand the potential and likely impacts of specific transport and food policies in Latin American cities.

Moderator and panelists: Ana Diaz Roux1,2,3, Felipe Montes Jimenez4, Brent Langellier2, Ivana Stankov1, Sofia Del Carmen Baquero Urquijo3
1Drexel Urban Health Collaborative, USA 2Dornsife School of Public Health, USA 3Drexel University, USA 4University of los Andes, Colombia

12:00-13:30 EDT [PN.18]
Panel 18: Transforming urban environments, improving social inclusion, health and well-being through public space in Latin American cities. A comparative 3 case studies by UN-Habitat and the IADB Citieslab

Panel Discussion
Public spaces are the living room of the city, the center of urban life, and the place where everything happens. However, for them to have a positive impact, they must be well designed and consider people’s needs, they must be properly managed and stimulate a sense of belonging in the community. Moreover, the COVID-19 pandemic has drastically changed our relationship with public spaces. Restrictions, while necessary, have impacted people’s quality of life and disproportionately the urban poor. This panel session will be an opportunity for cities to share their experiences. Results of three city-wide assessments will be presented, along with a brief presentation of the methodology applied and the comparative Report. Generating quantitative and qualitative evidence on the state of public space provides a solid way forward for cities to rebuild healthier urban environments for humans and biodiversity that can be up-scaled to other cities in the region. Simultaneous English/Spanish translation will be provided during this session.

Moderator and panelists: Pamela Carbajal1,2, Carolina Piedrafita3, Jose Chong4, Sina Del Rosario1, Jhon Nel RODRÍGUEZ2, Gerry Eijkemans3, Tolu Oni4, Alvaro Paciello3
1UN-Habitat, Kenya 2Inter-American Development Bank, USA 3PAHO
Panel 19: Multisector partnerships to impact cardiovascular population health with the CARDIO approach
Panel Discussion
While cardiovascular (CV) disease was already the leading cause of death globally before COVID-19, the pandemic sheds a sharp new light on the urgency to address it. COVID-19 is creating a void in which other diseases are left undiagnosed and untreated. This means we now face a syndemic – the convergence where an epidemic clusters and interacts with pre-existing conditions. This panel will describe an innovative and promising approach to improving CV population health, CARDIO, which has been pioneered in São Paulo, Brazil. Working with government and other key stakeholders, health managers and policy makers can apply the initiative’s strategy, across different local contexts where resources are constrained and inequities thrive.

Moderator and panelists: Yara Baxter1, Mariana Silveira2, Alvaro Avezum3, Marcos Vinicius Souza4, Johannes Boch5, Mark Barone5,6,7
1Novartis Foundation, Switzerland. 2Instituto Tellus, Brazil. 3McMaster University, Canada. 4IPT – Instituto de Pesquisas Tecnológicas & Center of the 4th Industrial Revolution, Brazil. 5VP International Diabetes Federation (IDF), Belgium. 6Steering Committee Member Life for a Child International (LFAC), USA.
7Former-VP & Honorary Member – ADJ Diabetes, Brazil

Panel 20: Air pollution, heat, and climate vulnerability in Latin American cities: Lessons from SALURBAL
Panel Discussion
Human health and the health of the planet are closely linked. In addition to economic and social consequences, climate change can have profound and widespread impacts on health. People living in cities in Latin America are especially vulnerable to the health consequences of both greenhouse gas emissions and the consequences of climate change. The presented research will summarize select findings from the SALURBAL project on levels and predictors of air pollution and climate vulnerability in Latin American cities and on the impacts or air pollution and heat on health.

Moderator and panelists: Nelson Gouveia1, Ana Ortigoza2, Josiah Kephart3, Anne Dorothée Slovic
1Faculdade de Medicina da Universidade de São Paulo, Brazil. 2Drexel Urban Health Collaborative, USA

[O31] Social and built environments as determinants of health in cities
Abstract session
Moderator: Jason Coburn

12:00-13:30 EDT [PN.19]
Panel 19: Multisector partnerships to impact cardiovascular population health with the CARDIO approach
Panel Discussion
While cardiovascular (CV) disease was already the leading cause of death globally before COVID-19, the pandemic sheds a sharp new light on the urgency to address it. COVID-19 is creating a void in which other diseases are left undiagnosed and untreated. This means we now face a syndemic – the convergence where an epidemic clusters and interacts with pre-existing conditions. This panel will describe an innovative and promising approach to improving CV population health, CARDIO, which has been pioneered in São Paulo, Brazil. Working with government and other key stakeholders, health managers and policy makers can apply the initiative’s strategy, across different local contexts where resources are constrained and inequities thrive.

Moderator and panelists: Yara Baxter1, Mariana Silveira2, Alvaro Avezum3, Marcos Vinicius Souza4, Johannes Boch5, Mark Barone5,6,7
1Novartis Foundation, Switzerland. 2Instituto Tellus, Brazil. 3McMaster University, Canada. 4IPT – Instituto de Pesquisas Tecnológicas & Center of the 4th Industrial Revolution, Brazil. 5VP International Diabetes Federation (IDF), Belgium. 6Steering Committee Member Life for a Child International (LFAC), USA.
7Former-VP & Honorary Member – ADJ Diabetes, Brazil

Panel 20: Air pollution, heat, and climate vulnerability in Latin American cities: Lessons from SALURBAL
Panel Discussion
Human health and the health of the planet are closely linked. In addition to economic and social consequences, climate change can have profound and widespread impacts on health. People living in cities in Latin America are especially vulnerable to the health consequences of both greenhouse gas emissions and the consequences of climate change. The presented research will summarize select findings from the SALURBAL project on levels and predictors of air pollution and climate vulnerability in Latin American cities and on the impacts or air pollution and heat on health.

Moderator and panelists: Nelson Gouveia1, Ana Ortigoza2, Josiah Kephart3, Anne Dorothée Slovic
1Faculdade de Medicina da Universidade de São Paulo, Brazil. 2Drexel Urban Health Collaborative, USA

[O31] Social and built environments as determinants of health in cities
Abstract session
Moderator: Jason Coburn

12:00-13:30 EDT [O31.1]
Social environment characteristics related to self-rated health in four Latin America countries: evidence from SALURBAL Project
Camila Vaz1, Débora Coelho2, Amanda Andrade3, Uriel Silva4, Ana Victoria Diez-Roux5, Amélia Augusta Friche6, Waleksa Caiaffa7
1Federal University of Juiz de Fora, Brazil. 2Federal University of Minas Gerais, Brazil. 3Federal University of Mato Grosso, Brazil. 4Drexel University, USA

12:15-12:30 EDT [O31.2]
Maternal mortality in Latin America: the influences of the social and built environments, from the urban perspective
Camila Vaz1, Uriel Silva2, Michelle Silva3, Ana Ortigoza2, Marcio Alazraqui1, Alex Quistberg1, Ariela Bronstein1, Serena Perner4, Amélia Augusta Friche2, Waleksa Caiaffa2
1Federal University of Juiz de Fora, Brazil. 2Federal University of Minas Gerais, Brazil. 3Drexel University, USA. 4Universidad Nacional de Lanús, Argentina

12:30-12:45 EDT [O31.3]
Poor lighting and health in Dhaka
Judith I. Rodriguez1,2,3, Marzuka A. Radia2, Riaz H. Khan2, Zahidul Quayyum2, Gary Adamkiewicz1
1Harvard T.H. Chan School of Public Health, USA. 2Harvard Graduate School of Design, USA. 3BRAC James P. Grant School of Public Health, Bangladesh

12:45-13:00 EDT [O31.4]
Sound pressure levels and neighborhood attributes assessed through systematic social observation
Fernanda Abalen Dias1,2,3, Waleksa Caiaffa4, Dário Costa2, César Xavier4,1, Fernando Proietti2,1, Amélia Friche2,3
1Pontifical Catholic University of Minas Gerais, Brazil. 2Federal University of Minas Gerais, Brazil. 3Belo Horizonte Urban Health Observatory, Brazil. 4Faculty of Health and Human Ecology, Brazil. 5Instituto de Pesquisas Tecnológicas & Center of the 4th Industrial Revolution, Brazil. 6Steering Committee Member Life for a Child International (LFAC), USA.

13:00-13:15 EDT [O31.5]
Noise annoyance, sociodemographic and health patterns in a Brazilian metropolis: The BH Health Study
Fernanda Abalen Dias1,2,3, Waleksa Caiaffa4,1, Dário Costa2, César Xavier4,1, Fernando Proietti2,1, Amélia Friche2,3
1Pontifical Catholic University of Minas Gerais, Brazil. 2Federal University of Minas Gerais, Brazil. 3Belo Horizonte Urban Health Observatory, Brazil. 4Faculty of Health and Human Ecology, Brazil. 5René Rachou Research Center, Oswaldo Cruz Foundation, Brazil
[O32] Inequalities in mortality and life expectancy
Abstract session
Moderator: Alejandra Vives

12:00-12:15 EDT [O32.1]
Inequity and life expectancy in Buenos Aires, Argentina 2015-2017: A small area estimation approach
Andres Trotta1, Usama Bilal1, Binod Acharya1, Harrison Quick2, Kari Moore3, Serena Perner1, Marcio Alazraki1, Ana Diez Roux2
1Institute of Collective Health, Argentina. 2Drexel, USA

12:15-12:30 EDT [O32.2]
A spatiotemporal analysis of inequalities in life expectancy and 20 causes of mortality in sub-neighborhoods of Metro Vancouver, Canada, 1990-2016
Jessica Yu1, Laura Dwyer Lindgren1, James Bennett1, Majid Ezzati2, Paul Gustafson1, Martino Tran1, Michael Brauer1
1University of British Columbia, Canada. 2University of Washington, USA. 3Imperial College London, UK

12:30-12:45 EDT [O32.3]
Urban scaling of mortality in 742 metropolitan areas of the Americas
Usama Bilal1, Caio de Castro1, Tania Alfaro1, Tonatiuh Barrientos-Gutierrez1, Mauricio Barreto1, Carlos Leveau2, Kevin Martinez-Folgar2, Jaime Miranda2, Roberto Andrade1, Ana Diez Roux1
1Drexel University, USA. 2CIDACS, Brazil. 3Universidad de Chile, Chile. 4INSPI, Mexico. 5Universidad Nacional de Lanus, Argentina. 6UPCH, Peru

12:45-13:00 EDT [O32.4]
Spatial heterogeneity in excess mortality during the COVID-19 pandemic in Guatemala
Kevin Martinez-Folgar1, Manuel Ramirez-Zea1, Usama Bilal1
1Drexel University, USA. 2INCAP Research Center for the Prevention of Chronic Diseases (CIIPEC), Institute of Nutrition of Central America and Panama., Guatemala

13:00-13:15 EDT [O32.5]
Quantifying within-city inequalities in child mortality across neighbourhoods in Accra, Ghana: A Pathways to Equitable Healthy Cities study.
Honour Bishy1, James Bennett1, Ayaga Bawah1, Raphael Arku1, Samuel Annim1,2, Jacqueline Anum1, Samilia Mintah1, Alexandra Schmidt1, Jill Baumgartner1, Pathways to Equitable Healthy Cities consortium members1,2,3
1McGill University, Canada. 2Imperial College London, UK. 3University of Ghana, Ghana. 4University of Massachusetts Amherst, USA. 5Ghana Statistical Service, Ghana. 6University of Cape Coast, Ghana

[O33] The health impacts of outdoor air pollution and climate change in cities: expanding our understanding
Abstract session
Moderator: Marcelo Korc

12:00-12:15 EDT [O33.1]
Global PM2.5 exposure and estimated premature mortality to 2100 under different climate change scenarios
Wanying Chen1,2, Xingcheng Lu1,2, Jimmy C.H. Fung1,2
1HKUST Fok Ying Tung Research Institute, China. 2Hong Kong University of Science and Technology, Hong Kong

12:15-12:30 EDT [O33.2]
Premature mortality due to air pollution in European cities: A health impact assessment.
Sasha Khomenko1, Marta Cirach1, Evelise Pereira-Barboza1, Natalie Mueller1, Jose Barrera-Gomez1, David Rojas-Rueda1, Kees de Hoogh1, Gerard Hoek1, Mark Nieuwenhuijsen1
1Barcelona Institute for Global Health (ISGlobal), Spain. 2Colorado State University, USA. 3Swiss Tropical and Public Health Institute, Switzerland. 4Utrecht University, The Netherlands

12:30-12:45 EDT [O33.3]
Outdoor air quality and urban heat-related health impacts during heat events
Mohamed Dardir, Umberto Berardi
Ryerson University, Canada

12:45-13:00 EDT [O33.4]
Modification by multiple social stressors in air pollution-CVD associations
Jane Clougherty1,2, Jamie Humphrey3, Ellen Kinnee4
1Drexel University Dornsife School of Public Health, USA. 2Drexel University Urban Health Collaborative, USA. 3RTI International, USA. 4University of Pittsburgh University Center for Social and Urban Research, USA
[O34] Food and alcohol retail environments as determinants of urban health

Abstract session
Moderator: Mariana Lazo

12:00-12:15 EDT [O34.1]
What does the experience of Covid-19 tell us about building a shock resilient food environment for the urban poor?
Sabrina Rasheed1, A M Rumayan Hasan1, George Smith2, Daniel D Reidpath1, Shehrin Shaila Mahmood1, Dr Fatema Khatun1
1icddrb, Bangladesh. 2Fragments Magazine, Bangladesh

12:15-12:30 EDT [O34.2]
Area-level socioeconomic deprivation and change in the retail food environment in Mexico from 2010 to 2020
Yenisei Ramírez Toscano1, Carolina Pérez Ferrer1, Usama Bilal2, Amy Auchincloss2, Tonatiuh Barrientos Gutiérrez2
1National Institute of Public Health, Mexico. 2Drexel University, USA

12:30-12:45 EDT [O34.3]
Travel time and dietary intake in Latin American cities. A multilevel analysis.
Joanna Guimaramaes1, Nancy López Olmedo3, Kari Moore3, Dalia Stern3, Amelia Augusta Friche6, Xize Wang5, Xavier Delclòs-Alió6, Daniel Rodríguez7, Olga Lucia Sarmiento8, Leticia Cardoso9
1Fiocruz - Rio de Janeiro, Brazil. 2INSP, Mexico. 3Drexel University, USA. 4UFMG, Brazil. 5National University of Singapore, Singapore. 6Universitat Rovira i Virgili, Spain. 7University of California, Berkeley, USA. 8Universidad de Los Andes, Colombia. 9Fiocruz Rio de Janeiro, Brazil

12:45-13:00 EDT [O34.4]
Neighborhood socioeconomic status and availability of alcohol around schools in the city of Madrid (Spain)
Irene Martín-Turrero1, Roberto Valiente1, Irene Molina-de la Fuente1, Usama Bilal2, Mariana Lazo2, Xisca Sureda1
1University of Alcalá, Spain. 2Drexel Dornsife School of Public Health, USA

13:00-13:15 EDT [O34.5]
Alcohol outlet densities around schools: A methodological comparison between crow-flies’ and street network buffer measures
Irene Martín-Turrero, Roberto Valiente, Xisca Sureda
University of Alcalá, Spain

13:30-14:00 EDT
Break and networking sessions

14:00-15:30 EDT
Plenary Session 6: Urban health in Latin America and the Caribbean
Latin America and the Caribbean (LAC) is among the most urbanized regions of the world. Over 80% of the region’s population lives in urban areas that are heterogeneous in their size, form, and social environments. For decades, the region has led innovative programs, policies, initiatives, and interventions that promote urban health and health equity. Lessons about the drivers of health in LAC cities and the most effective strategies for promoting urban health in the region have relevance for cities across the world. This plenary session will explore health conditions and the drivers of health in LAC cities and discuss effective policies, programs, and strategies to promote urban health and health equity in the region.

Moderator: Dr. Tonatiuh Barrientos, Director of the Center for Population Health, National Institute of Public Health
Mexico City, Mexico

The state of health and the environment in LAC cities
Dr. Usama Bilal, Assistant Professor, Drexel University
Philadelphia, USA

Promoting health in Caribbean cities
Dr. Joy St. John, Executive Director, Caribbean Public Health Agency (CARPHA)
Barbados

A regional agenda for addressing social determinants of health in cities
Dr. Orielle Solar, Regional Advisor, Social Determinants of Health, World Health Organization/Pan American Health Organization
Santiago, Chile

Grassroots movements for urban health and health equity in the region
Mariana Alegre Escorza, Executive Director, Lima Como Vamos / Occupy your Street
Lima, Peru
15:30-16:00 EDT
Conference Closing

Closing remarks on behalf of SALURBAL
Dr. Ana V. Diez Roux, Principal Investigator, Salud Urbana en América Latina (SALURBAL)
ICUH 2021 Scientific Committee Chair
Philadelphia, USA

Closing remarks on behalf of PAHO/WHO
Dr. Gerry Eijkemans, Unit Chief for Health Promotion and Social Determinants of Health
Pan American Health Organization/World Health Organization (PAHO/WHO)
Washington D.C., USA

Closing remarks on behalf of ISUH
Dr. Jo Ivey Boufford, Board Chair and Past President, International Society for Urban Health (ISUH)
Clinical Professor of Global Health and Pediatrics, New York University
New York City, USA
Wednesday 6 July 2021
15:30-16:30 EDT
*Posters will be available for viewing on-demand throughout the three days of the conference. During the scheduled session time, presenting authors will be available for live Q&A.

[P1.01]
The impact of urban and transport planning on health: Assessment of the attributable mortality burden in Madrid and Barcelona and its distribution by socioeconomic status
Tamara Lungman1, Sasha Khomenko1,2,3, Mark Nieuwenhuisen1,2,3, Evelise Pereira Barboza2,3,1, Albert Ambrós1,2,4, Cindy Padilla2, Natalie Mueller1,2,3
1 Institute for Global Health (ISGlobal), Spain. 2 Universitat Pompeu Fabra (UPF), Spain. 3 CIBER Epidemiología y Salud Pública (CIBERESP), Spain. 4 CIBER Epidemiología y Salud Pública (ISGlobal), Spain. 5 École des Hautes Études en Santé Publique (EHESP), France

[P1.02]
Gender, sex, and health – Why does it still matter? Reflections for a gender perspective on urban health
Lidia Maria de Oliveira Morais1, Vanessa Di Cecco1, Katherine Indvik1, Solimar Carnavalli Rocha1, Mika Moran1, Ana Ortigoza1, Amelia Augusta de Lima Friche1
1 Federal University of Minas Gerais, Brazil. 2 Universidad Nacional de Lanús, Argentina. 3 Drexel University, USA. 4 University of California Berkeley, USA

[P1.03]
Exercise facilities and the prevalence of obesity and type 2 diabetes mellitus: An equity-informed population study of 1,270,512 adults in Madrid
Luis Cereijo1,2,3,4, Pedro Gullón1, Isabel del Cura1,4, Usama Bilal4, David Valadés1, Hannah Badland2, Manuel Franco1,5
1 University of Alcalá, Spain. 2 RMIT University, Australia. 3 Primary Care Research Unit of Madrid, Spain. 4 University Rey Juan Carlos, Spain. 5 Drexel Dornsife School of Public Health, USA. 6 Johns Hopkins Bloomberg School of Public Health, USA

[P1.04]
The COVID-19 spatial distribution and the intraurban correlations in Belo Horizonte - Brazil
Aline Salles, Solimar Rocha, Denise Sales, Amélia Friche, Maria Angélica Dias, Waleska Caiaffa, Amanda Souza, Uriel Silva, Bruno Moreira, OSUBH InfoCOVID
Federal University of Minas Gerais, Brazil

[P1.05]
Effectiveness of a road safety intervention in a Latin-American City
Luz Mery Cárdenas Cárdenas1, Tonatiuh Barrientos-Gutiérrez2, D. Alex Quistberg2, Luis Chias-Becerril1, Armando Martínez1, Héctor Daniel Reséndiz-López3, Carolina Pérez-Ferrer4
1 National Institute of Public Health (INSPI), Mexico. 2 Drexel University, USA. 3 National Autonomous University of Mexico (UNAM), Mexico. 4, CONACYT- National Institute of Public Health (INSPI), Mexico

[P1.06]
Superblocks and health in Horta neighbourhood, Barcelona: One intervention but two effects (Salut Als Carrers)
Laia Palència1,2,3, Brenda Biaiani León-Gómez1,2,3, Katherine Pérez1,2,3, Team of Salut Als Carrers1
1 Agència de Salut Pública de Barcelona, Spain. 2 CIBER Epidemiología y Salud Pública (CIBERESP), Spain. 3 Institut d’Investigació Biomèdica (IIB Sant Pau), Spain

[P1.07]
Geographic variation and change over time in the incidence of acute myocardial infarction in Beijing from 2007 to 2018
Jie Chang1, Qiju Dong1, Moning Guo1, Majid Ezzati1, Jill Baumgartner3, Honor Bixby4, Queenie Chan5, Dong Zhao6, Ying Long5, Jing Liu2
1 Department of Epidemiology, Beijing An Zhen Hospital, Capital Medical University; Beijing Institute of Heart, Lung and Blood Vessel Diseases; National Clinical Research Center of Cardiovascular Diseases; the Key Laboratory of Remodeling-Related Cardiovascular Diseases Ministry of Education; the Beijing Municipal Key Laboratory of Clinical Epidemiology, Beijing, China, China. 2 Beijing An Zhen Hospital, Capital Medical University; Beijing Institute of Heart, Lung and Blood Vessel Diseases; National Clinical Research Center of Cardiovascular Diseases; the Key Laboratory of Remodeling-Related Cardiovascular Diseases Ministry of Education; the Beijing Municipal Key Laboratory of Clinical Epidemiology, Beijing, China, China. 3 Imperial College London, UK. 4 McGill University, Canada. 5 Tsinghua University, China

[P1.08]
Spatio-temporal analysis of malaria prevalence in children under five years: A model-based geostatistical approach
Taye Bayode, Alexander Siegmund
Heidelberg University, Germany
[P.1.09] InfoCOVID-OSUBH: Intra-urban inequalities of COVID-19 severe cases in Belo Horizonte City – An experience of knowledge intersection and translations between academy and health
Aline Dayrell Ferreira Sales, Déborah Moraes Coelho, Amanda Cristina de Souza Andrade, Amélia Augusta de Lima Friche, Elaine Leandro Machado, Fernando Mário Freire, Guilherme Aparecido Santos Aguilar, Maria Angélica de Salles Dias, Wakesa Teixeira Caiaffa, OSUBH InfoCOVID
1 Federal University of Minas Gerais, Brazil. 2 Federal University of Mato Grosso, Brazil. 3 Federal University of Juiz de Fora, Brazil. 4 Computer and Information Company in the City of Belo Horizonte – Prodabel, Brazil. 5 Federal University of Minas Gerais, Brazil  in the City of Belo Horizonte – Prodabel, Brazil

[P.1.10] Inequality and Income Segregation in Brazil: Insights from the SALURBAL Project
José Firmino Sousa Filho, Gervásio Santos, Roberto Andrade, Aureliano Paiva, Anderson Freitas, Caio Castro, Amélia Friche, Sharrelle Barber, Wakesa Caiaffa, Mauricio Barreto
1 UFBA/CIDACS, Brazil. 2 UFBA, Brazil. 3 CIDACS, Brazil. 4 UFMG, Brazil. 5 Drexel University, USA

[P.1.11] Empowering women in leadership: A transformational approach to addressing human trafficking in African context
Kutisha Ebron, Anthony C. Andenoro
St. Thomas University, USA

[P.1.12] The inequalities of physical activity Ukrainian urban school-age children and the impact of socioeconomic factors
Olena Yelizarova
State Institution O.M. Marzieiev Institute for Public Health of National Academy of Medical Sciences of Ukraine, Ukraine

[P.1.13] Differential access to entitlements and social benefits among urban migrants: evidence from Indore, India
Siddharth Agarwal, Shabnam Verma, Neeraj Verma, Kanupriya Kothiwal
Urban Health Resource Centre, India

[P.1.14] High resolution analysis reveals widening 30-year life expectancy gap within London
Theo Rashid, James Bennett, Christopher Paciorek, Yvonne Doyle, Seth Flaxman, Daniela Fecht, Mireille Toledano, Hima Daby, Bethan Davies, Majid Ezzati
1 Imperial College London, UK. 2 University of California, Berkeley, USA. 3 Public Health England, UK

[P.1.15] Gender disparity and association between socioeconomic status, mental health and need for long-term services and supports among the Korean elderly
Bo Zhao, Dong Eun Shin, Min Ah Chung, Fanlei Kong, Eun Woo Nam
1 Department of Health Administration, Yonsei University, Republic of Korea. 2 Yonsei Global Health Center, Republic of Korea. 3 School of Public Health, Shandong University, China

[P.1.16] Built Injustice: How physical attributes of informal urban settlements may exacerbate non-communicable disease risk in Indore, India
Amina Goheer, Damodar Bachani, Anand Krishnan, Ritvik Amarchand, Neeraj Mishra, Amanda Pomeroy-Stevens
1 JSI Research & Training Institute, Inc, USA. 2 John Snow India, India. 3 All India Institute for Medical Science, India

Taye Bayode, Oluwuyiwa Bayo Akinbamijo, Alexander Siegmund
1 Heidelberg University, Germany. 2 Federal University of Technology, Akure, Nigeria

[P.1.18] Building Together: Examining public and policy elite support for healthy public policies to improve nutrition and physical activity through built environments in two Canadian provinces
Candace Nykiforuk, Mathew Thomson, Jennifer Ann Brown
University of Alberta, Canada
Timothy Abuja1, Charity Ndwig2, Chantallie Okondo1, George Odwe1, Daniel Mwanga2, Rachel Jones3, Sathy Rajeskarahan1, Deborah Sambu2, Charlotte Warren1
1Population Council, Kenya. 2Jacaranda Health, Kenya. 3Population Council, USA

[P1.20] Understanding urban inequalities in children’s linear growth outcome in Bangladesh
Hayman Win1,2, Jordyn Wallenborn1,2, Nicole Probst-Hensch1,2, Günther Fink1,2
1Swiss Tropical and Public Health Institute, Switzerland. 2University of Basel, Switzerland

[P1.21] Physical activity interventions for urban youth during COVID-19 pandemic
Marika Warner, Jackie Robinson, Jennifer Lloyd
MLSE LaunchPad, Canada

[P1.22] A spatial decomposition on the infection probability of COVID-19: The example of china
Lu Liu
Southwestern University of Finance and Economics, China

[P1.23] Improving equality in urban immunization: situational analysis for the development of a roadmap in Karachi, Pakistan
Tariq Masood1, Iqbal Hossain1
1JSI, Pakistan. 2JSI, USA

[P1.24] Vegetation distribution equity in urban environments: The Predimed-Plus study cases
Maurici Ruiz-Pérez1,2, Alexandre Moragues-Pascual2, Dora Romaguera2,3, Julia Warnberg4,5, Josep Vidal Cortada6,7, Vicente Martín Sánchez8,9, Miguel A. Martínez10,11,12, Alfredo Martínez Hernández12,13,14, Jordi Salas Salvador13,14,15, Antoni Colom13,15
1Health Research Institute of the Balearic Islands (IdISBa), Spain. 2University of the Balearic Islands, Spain. 3CIBER Fisiopatología de la Obesidad y Nutrición (CIBEROBN), Instituto de Salud Carlos III, Spain. 4University of Málaga, Spain. 5CIBER Fisiopatología de la Obesidad y Nutrición (CIBEROBN), Instituto de Salud Carlos III, Spain. 6University of Barcelona, Spain. 7CIBER Diabetes y Enfermedades Metabólicas (CIBERDEM), Instituto de Salud Carlos III, Spain. 8Precision Nutrition Program, IMDEA Food, CEF UAM + CSIC, Spain. 9University of León, Spain. 10University of Navarra, IdISNA, Spain. 11Harvard T.H. Chan School of Public Health, USA. 12University of Navarra, Spain. 13Universitat Rovira i Virgili, Spain. 14University Hospital of Sant Joan de Reus, Spain. 15Research Group on Nutritional Epidemiology & Cardiovascular Physiopathology. Health Research Institute of the Balearic Islands (IdISBa), Spain

[P1.25] Efficient public participatory mechanisms to promote health equity in a society: A Norwegian case study
Mina Jowkar, Coline Senior, Alenka Temeljotov-Salaj, Dave Collins, Agnar Johansen
The Norwegian University of Science and Technology (NTNU), Norway

[P1.26] Innovative approaches to addressing routine immunization inequities in urban areas in the Democratic Republic of Congo
Dr. Joel Bompongo1, Dr. Andre Tonda2, Dr. Michel Othepa3, Brian Castro4, Katharine Bagshaw5
1John Snow, Inc., Democratic Republic of Congo. 2John Snow, Inc., USA

[P1.27] Socio-economic status, region specific determinants of obesity, and health expenditures in the Netherlands
Sherif Amer
University of Twente, The Netherlands

[P1.28] Chapter 1 rural-urban differences in economic inequalities in maternal and child health care in India, 1992-93 to 2015-16: Urban cross-over from advantage to disadvantaged place of residence
Shashi Saroj
Jawaharlal Nehru University, India

[P1.29] Backcasting health care accessibility using taxi GPS traces: A case study of acute myocardial infarction cases in Beijing
Yuwei Su1,2, Zhengjing Liu1, Jie Chang1, Qiuju Deng1, Yuyang Zhang1, Jing Liu1, Ying long1
1Tsinghua University, China. 2Wuhan University, China. 3Capital Medical University, China
[P1.30] Analysis of equity and social inclusiveness of national urban development policies and strategies through the lenses of health and nutrition
Obinna Onwujekwe1, Chinyere Mbachu2, Tolib Mirzoev2
1 University of Nigeria, Nigeria. 2 University of Leeds, UK

[P1.31] Overweight and the context of Covid-19: the coexistence of pandemics in an urban area of Northeast Brazil
Juliana Souza Oliveira1, Risia Cristina Egito de Menezes2, Nathalia Barbosa de Aquino3, Ricardo Almendra4, Pedro Israel Cabral de Lira5, Vanessa Sá Leal5, Nathália Paula de Souza6, Emilia Chagas Costa7, Fernanda Cristina Lima Pinto Tavares8, Paula Santana9
1 Vitória Academic Center/Federal University of Pernambuco, Brazil. 2 Nutrition Faculty/Federal University of Alagoas, Brazil. 3 Postgraduate Program in Nutrition/Federal University of Pernambuco, Brazil. 4 Centre of Studies on Geography and Spatial Planning/ University of Coimbra, Portugal. 5 Nutrition Department/Federal University of Pernambuco, Brazil

Dong Ha Kim, Seunghyun Yoo
Seoul National University, Republic of Korea

[P1.33] Pandemic and the city
Shreelata Rao Seshadri1, Benson Issac2, Nithya Dorairaj1
1 Azim Premji University, India. 2 Independent, India

[P1.34] Research on the spatial characteristics of community response to covid-19 in Wuhan and the strategy of ‘epidemic prevention circle’
Ke Zhang1, Meng Zhang2, Xiaoyang Liu3, Sen Zhang4
1 Tianjin University, China. 2 Hebei Agricultural University, China. 3 Wuhan University, China

[P1.35] Vernacular architecture and spatial typology: Their share in urban health
Akuto Akpedze Konou, Vitor Pessoa Colombo, Jérôme Chenal
École Polytechnique Fédérale de Lausanne, Switzerland

[P1.36] A novel method for quickly obtaining indoor air temperature from outdoor through infrared thermal imaging
Xiaomeng Chen, Ziwei Zou, Fulin Hao, Xudong Yang
Tsinghua University, China

[P1.37] The mediating effects of nature-based solutions on health and wellbeing during the COVID-19 pandemic
Clair Cooper, Andrea Armstrong
Durham University, UK

[P1.38] Community engagement and environmental modifications to reduce injury risks among children in a low-income urban community in Uganda
Charles Ssemugabo1, Lawrence Okoth2, Sheila Niyonsaba2, Abigail Turinayo3, Prasanthi Puvanachandra4, Olive Kobusingye1, Margaret Peden1
1 Makerere University School of Public Health, Uganda. 2 Design without Borders Africa, Uganda. 3 Imperial College London, UK, UK

[P1.39] Heterogeneity in the urban scaling of premature mortality by city definition in the United States
Edwin McCulley1, Pricila Mullachery1, Daniel Rodriguez2, Ana Diez-Roux3, Usama Bilal1
1 Drexel University Dornsife School of Public Health, USA. 2 University of California Berkeley, USA

[P1.40] Understanding the underlying mechanisms via which holistic housing regeneration improves the health and well-being of adults in disadvantaged neighbourhoods: A realist review
H.E. Koops-van Hoffen1, F.J. van Lenthe1,2, F. Borlée3, M. Droomers4, M.P. Poelman5, C.B.M. Kamphuis1
1 Utrecht University, The Netherlands. 2 Erasmus MC Rotterdam, The Netherlands. 3 Municipality of Utrecht, The Netherlands. 4 Wageningen University & Research, The Netherlands
[P1.41] ‘We are developing our own bubble’: A strategy to create health-promoting places for older adults during COVID-19
Hui Ren, Megan Strickfaden, Marcus Jackson, Karen Lee
University of Alberta, Canada

[P1.42] Evaluating the health effects of urban parks use during the pandemic period
Mihai-Razvan Nita¹, Larissa Nicoleta Steia¹, Diana Andreea Onose¹, Athanasios Alexandru Gavrilidis¹, Ana Maria Popa²
¹University of Bucharest, Romania. ²Centre for Environmental Research and Impact Studies, University of Bucharest, Romania

[P1.43] Evaluation of urban health risks in Dhaka from an environmental perspective
Nazwa Tahsin
NeuroLandscape, Singapore. Bangladesh University of Engineering and Technology, Bangladesh

[P1.44] Active design strategies applications in university educational buildings in Jeddah, Saudi Arabia
Rawan Mahfoudh, Noura Ghabra
King Abdulaziz University, Saudi Arabia

[P1.45] Beyond green homes, a study of the 3H conceptual prototypical
Eghosa Ekhaese¹, Waqar Hussain², Kafiyat Hussain²
¹Covenant University, Nigeria. ²COMSATS University, Pakistan

[P1.46] Socio-cultural and health essentials for designing residents’ home in Lagos, Nigeria
Eghosa Ekhaese, Nkolika Peters
Covenant University, Nigeria

[P1.47] A scaling investigation of urban form features in Latin American cities
Aureliano Paiva¹, Roberto Andrade¹, Gervásio Santos², Caio Castro¹, Daniel Rodriguez², Usama Bilal¹, Firmino Filho¹, Anderson Freitas¹, Felipe Jimenez², Iryna Dronova³
¹Center of Data and Knowledge Integration for Health (CIDACS), Brazil. ²Federal University of Bahia, Brazil. ³University of California Berkeley, USA. ⁴Urban Health Collaborative, Drexel Dornsife School of Public Health, USA. ⁵Drexel University, USA. ⁶University of the Andes, Colombia

[P1.48] Learning from the pandemic: Re-questioning the built environment of Ankara
Segah Sak
I.D. Bilkent University, Turkey

[P1.49] Mapping food and physical activity environments in low- and middle-income countries: A systematised review
Trish Muzenda¹, Philip Dambisya¹, Monika Kamkuemah¹, Blessings Gausi¹, Jane Battersby¹, Tolu Oni¹,²
¹University of Cape Town, South Africa. ²University of Cambridge, UK

[P1.50] Development of evidence-based guidelines for designing green open spaces to promote urban health through physical activity: Experience from Slovenia
Ina Sukjke Erjavec, Vita Žlender, Jana Kozamernik
Urban Planning Institute of the Republic of Slovenia, Slovenia

Xavier Delclòs-Alío¹, Guillem Vich²,³, Daniel Miravet¹,³, Aaron Gutiérrez²
¹Universitat Rovira i Virgili, Spain. ²ISGlobal, Spain. ³Public Transport Consortium of Tarragona, Spain
POSTER SESSION 2

Thursday 8 July 2021
15:30-16:30 EDT*

* Posters will be available for viewing on-demand throughout the three days of the conference. During the scheduled session time, presenting authors will be available for live Q&A.

[P2.01]
Peer mentoring intervention for youth with Autism Spectrum Disorder (ASD) in an urban setting
Malhaar Agrawal1, Belinda O'Hagan1, Pooja Sonikar1, River Grace1, Emily Chen1, Simone Dufresne1, Zachary Rossetti1, Lauren Bartolotti1, Shari King1
1Massachusetts Institute of Technology, USA. 2Boston Medical Center, USA

[P2.02]
Exploring adaptation to temperature over 20-years in São Paulo, Brazil
Aína Roca-Barcelo1, Daniela Fech1, Monica Pirani1, Frédéric B. Piel1,2, Adelaide C. Nardocci1, Paolo Vineis1
1Imperial College London, UK. 2National Institute for Health Research Health Protection Research Unit (NIHR HPRU) in Environmental Exposures and Health, UK. 3University of São Paulo, Brazil

[P2.03]
Dengue space-time clusters over 24 years of observation in an urban context in Brazil
Maria da Consolação Magalhães Cunha1, Maria Helena Franco Morais1, Larissa Lopes Lima1, Waleska Teixeira Caiaffa1
1Federal University of Minas Gerais, Brazil. 2Municipal Health Department, Belo Horizonte, Brazil. 3Federal Center for Technological Education of Minas Gerais, Brazil

[P2.04]
Pilot roll-out of WHO ANC App in Guarujá, Brazil
Guilherme Cecatti1, Samira Haddad1, Renato Souza1, France Donnay1, Diana Perez Buck1
1University of Campinas, Brazil. 2Mothers at Risk, Belgium

[P2.05]
SISCOVID: An epidemic intelligence system to anticipate the effects on the implementation of real-time COVID-19 epidemic responses in Colombia’s largest five cities
Diana Higuera-Mendieta1, Felipe Montes1, Jose D Meisel1, Juliana Quintero1, Andres F Useche1, Sofia Baquero1, Pablo Lemoine1, Laura Idrobo1, Ana M Jaramillo1, Olga L Sarmiento1
1Universidad de los Andes, Colombia. 2Universidad de Ibagué, Colombia. 3Eje de Salud Pública, Fundación Santa Fe de Bogotá, Colombia. 4Centro Nacional de Consultoría, Colombia

[P2.06]
COVID19 in vulnerable populations: Reported incidence in a social housing villa in Santiago de Chile
Ignacio Díaz1, Alejandra Vives1
1Pontificia Universidad Católica de Chile, Chile. 2Departamento de Salud Pública, Pontificia Universidad Católica de Chile, Chile

[P2.07]
Liver disease mortality across 366 Latin American cities: evidence from the SALURBAL study
Kevin Martinez-Folgar1, Usama Bilal1, Harrison Quick1, Tania Alfaro2, Dalía Stern3, Tonatiuh Barrientos1, J Jaime Miranda4, Manuel Ramirez-Zaá5, Ana Diez-Roux2, Mariana Lazo1
1Drexel University, USA. 2Universidad de Chile, Chile. 3Instituto Nacional de Salud Publica, Mexico. 4Universidad Peruana Cayetano Heredia, Peru. 5Instituto de Nutricion de Centro America and Panama, Guatemala

[P2.08]
Spatial distribution of PM10, PM2.5 and NO2 concentrations in the Sunday Ciclovía recreativa of Bogotá
jairo andres Villaflor Herrera, Luis Camilo Blanco Becerra
Universidad Santo Tomás, Colombia

[P2.09]
Cross-sector co-creation of a community-based physical activity program for breast cancer survivors in Colombia
Maria Alejandra Rubio1, Daniela Mosquera1, Martha Blanco1, Paula Guevara1, Felipe Montes1, Carolyn Finck1, Ana Maria Jaramillo1, Lisa G. Rosas2, Abby C. King3, Olga L. Sarmiento1
1Universidad de los Andes, Colombia. 2Stanford University, USA
[P2.10] Effects of COVID-19 on routine maternal, neonatal, infant, child health services and coping mechanisms adopted by urban poor: Learning from Indore and Agra, India
Siddharth Agarwal, Shabnam Verma, Maya Ram, Kanupriya Kothiwal, Neeraj Verma
Urban Health Resource Centre, India

[P2.11] Adaptation of health methodologies to indicate the planning of healthy urban environments
Ana Maria Girotti Sperandio, Bárbara Bonetto, Rodrigo Brandini Bloes
LABINUR/UNICAMP, Brazil

[P2.12] Implementing COVID-19 Health and Safety measures at the urban factories for curbing the spread among the workers: A qualitative investigation in Bangladesh
Dipika Shankar Bhattacharyya, Sohana Shafique, Goutam Kumar Dutta, Daniel D Reidpath
Health Systems and Population Studies Division, icddr,b, Bangladesh

[P2.13] One year of pandemic. A survey of impacts and responses in the institutional structure of social support in the Lisbon metropolitan area
Jorge Gonçalves, Sofia Bizarro
CiTUA, Instituto Superior Técnico-University of Lisbon, Portugal

Gian Piero Turchi1, Marco Locatelli2, Vanessa Maria Angius1, Michela Scaccia1
1 Università di Padova, Italy; 2 Università di Padova, Centro CISR, Italy

[P2.15] Portuguese local governments’ use of social media during the COVID-19 pandemic
Miguel Padeiro1, Beatriz Bueno-Larraz2, Ângela Freitas1
1 CEGOT - University of Coimbra, Portugal; 2 Independent consultant, Spain

[P2.16] How to build trust relationships between city practitioners and scientists? Lessons learned from a local case study
Anne ROUE LE GALL1,2, Clément DELOLY1, Lucy BRETELLE1, Gemma MOORE1, James MILNER2, Nahid MOHAYER2, Phil SYMONDS2, Ioanna TSOULOU2, Nici ZIMMERMANN & Mike DAVIES3, Paul WILKINSON4
1 EHESP, French School of Public Health, France; 2 Arènes UMR CNRS 6051, Université Rennes 1, France; 3 Buro Happold, Strategic Planning, UK; 4 UCL, University College London, UK; 5 LSHTM, London School of Hygiene and Tropical Medicine, UK

[P2.17] Governance and environmental outcomes: Evidence from three environmental issues in India
Pradeep Guin1, Rajeshwari Balasubramanian2, Bhavayta Mahajan1
1 O. P. Jindal Global University, India; 2 Wageningen University & Research, The Netherlands

[P2.18] A smartphone app-based framework for pandemics: Optimising the urban healthcare infrastructure
Sanjana Shivakumar1, Tarun Kumar2
1 Concordia University, Canada; 2 Indian Institute of Science, India

[P2.19] HIV and intimate partner violence among sexual minority men over a ten-year period: Findings from the multicenter aids cohort study
Isabella Gomes1, Mark Brennan-Ing2, Andre Brown1, James Egan1, Pamina Gorbach1, Steven Meanley2, Frank Palella3, Michael Plankey1, Mackey Friedman1, Sabina Haberlin3
1 Johns Hopkins University, USA; 2 Hunter College (CUNY), USA; 3 University of Pittsburgh, USA; 4 UCLA, USA; 5 University of Pennsylvania, USA; 6 Northwestern University, USA; 7 Georgetown University, USA

[P2.20] Human health and well-being in urban areas in the age of prevention: Urban green areas as nature-based solutions
Mattias Gaglio1, Alexandra Nicoleta Muresan, Giuseppe Castaldelli, Elisa Anna Fano
University of Ferrara, Italy
[P2.21] Health problems of young adults in housing poverty in Seoul, South Korea, and the COVID-19 pandemic
Jisun Kim, Seunghyun Yoo
Seoul National University, Republic of Korea

[P2.22] Urban tree diversity as mitigation strategy against urbanization effect on citizens well-being
Alexandra Nicoleta Muresan, Mattias Gaglio, Giuseppe Castaldelli, Elisa Anna Fano
University of Ferrara, Italy

[P2.23] Short-term exposure to particulate matter and its effects on Alzheimer’s disease and Parkinson’s disease hospitalizations
Pedro Franco, Cristina Gordo, Eduarda Marques da Costa, Antônio Lopes
CEG/IGOT-UL, Portugal

[P2.24] A tale of two cities: The environmental context in adolescence smoking prevention programs in Bogotá and Northern Ireland
Sharon Sanchez-Franco1; Shannon Montgomery2; Erika Torres1; Ana Ramirez1; Angela Lopez1; Jennifer M. Murray1; Ruth F. Hunter2; Frank Kee2; Olga L. Sarmiento2
1 Universidad de los Andes, Colombia. 2 Florida State University, USA. 3 Queen’s University Belfast, UK. 4 Queen’s University Belfast, Colombia

[P2.25] Community interventions on gender-based violence: improving urban women’s health across the life course
Unnati Machchhar1, Shilpa Adelkar1, Nayreen Darwalla1, David Osrin2
1 SNEHA, India. 2 University College London, UK

[P2.26] A study of factors influencing PM2.5 diffusion on urban roads based on ENVI-met
Bingfen Fu, Lihua Zhao
South China University of Technology, China

[P2.27] The main and added effect of heat wave on daily mortality in 33 Chinese cities
Yanlin Niu1,2,3; Jun Yang4; Tao Xue5; Qiyong Liu1
1 Chinese Center for Disease Control and Prevention, China. 2 Beijing Center for Disease Prevention and Control, China. 3 Research Center for Preventive Medicine of Beijing, China. 4 Jinan University, China. 5 Peking University, China

[P2.28] Urban heat impacts and people’s awareness and knowledge for urban heat reduction: A survey in an oppressive and hot city of Chongqing, China
Baojie He
Chongqing University, China

[P2.29] An evaluation on the effect of thermal mass to modulate overheating in different climates in China and the role of night ventilation
Hao Sun, John Calautit, Carlos Jimenez-Bescos
University of Nottingham, UK

[P2.30] Estimation on the number of heat stroke by geographical condition and resident’s age category in Japan
Guo Minna, Kitazume Keiichi
Kansai University, Japan

[P2.31] Transit-oriented urban development for improving the human health and reducing the environmental load
Shinji Yamamura1; Lidia VITANOVA1; Van Quang DOAN2
1 Nikken Sekkei Research Institute, Japan. 2 University of Tsukuba, Japan
[P2.32] Neighborhood socioeconomic environment relates to higher odds of hypertension in adults in eight Latin American countries from the SALURBAL study: A multilevel analysis
Deborah Moraes Coelho¹, Amanda Cristina de Souza Andrade², Ana Victoria Diez-Roux³, Alex Quistberg⁴, Amélia Augusta de Lima Frichê¹, Walexia Teixeira Caiaffa¹
¹Federal University of Minas Gerais, Brazil. ²Federal University of Mato Grosso, Brazil. ³Drexel University, USA. ⁴Drexel University, USA.

[P2.33] COVID-19 infodemic in Brazil: fake news as a key element to increase mobility during the pandemic
Fabio Marcel de Castro Filho
Universidade Tecnológica Federal do Paraná, Brazil.

[P2.34] Assessing issues of spatial accessibility in healthcare of multi-island micro states
Roxanne Brizan-St Martin¹, Juel Paul²
¹The University of the West Indies, St Augustine, Trinidad and Tobago. ²Ministry of Health, Trinidad and Tobago.

[P2.35] Association between perceived neighbourhood features and falls in older Brazilians: A multilevel analysis
Bruno de Souza Moreira¹, Amanda Cristina de Souza Andrade², César Coelho Xavier³, Fernando Augusto Proietti⁴, Luciana de Souza Braga¹, Amélia Augusta de Lima Frichê¹, Walexia Teixeira Caiaffa¹
¹Federal University of Minas Gerais, Brazil. ²Federal University of Mato Grosso, Brazil. ³Faculty of Health and Human Ecology, Brazil. ⁴René Rachou Institute - Oswaldo Cruz Foundation, Brazil.

[P2.36] Improving urban immunization services in Cité Soleil, Haiti to address the zero-dose children and dropout rates through a human-centered approach
Dr. Pierre Fontaine¹, Brian Castro², Dr. Michel Ottepa², Enrique Paz³, Dr. Folake Olayinka³, Dr. Paule-Andrée Byron⁴, Lora Shimp⁴
¹John Snow, Inc., Haiti. ²John Snow, Inc., USA. ³Expanded Program on Immunization, Haiti.

[P2.37] Cesarean section and social inequalities in urban agglomerations in Latin America
Serena Perner¹, Ana Origoza², Andrés Trotta², Marcio Alazraqui³, Goro Yamada³, Patricia Rosemberg³, Amélia Augusta Frichê¹, Ariela Braverman⁵, Ana Diez Roux²
¹Instituto de Salud Colectiva - Universidad Nacional de Lanús, Argentina. ²Drexel University, USA. ³Universidad de Minas Gerais, Brazil.

[P2.38] Housing renovation and satisfaction with the dwelling: Intermediate results of the evaluation of a social housing regeneration program in Viña del Mar, Chile
Francisca González¹, Alejandra Vives², Brisa Sánchez², Roxana Valdebenito³, Fernando Baeza¹
¹Pontificia Universidad Católica de Chile, Chile. ²Drexel University, USA.

[P2.39] Methodology to spatially model the risk of respiratory diseases associated with socio-environmental components of Coyhaique city
Ana Karina Malдонado Alcaine¹, Dante Cáceres Lillo¹, Felipe Medina Marin¹, Mailiú Díaz Peña², Marco Acuña Briones³, Jeanette Matus Geeregat²
¹Universidad de Chile, Chile. ²Secretaría Regional Ministerial de Salud de Aysén, Chile. ³Servicio de Vivienda y Urbanización de Aysén, Chile.

[P2.40] Urban parks in 27 Brazilian capitals: Exploring spatial data and validation methods
Denise Marques Sales¹, Anne Dorothee Slovic², Claudio Kanai², Anderson Freitas³, Guilherme Aguilar¹, Solimar Carnavalli Rocha¹, Mika Moran¹, Lucas Martins³, Nelson Gouveia¹, Walexia Caiaffa¹
¹Universidade Federal de Minas Gerais, Brazil. ²Universidade de São Paulo, Brazil. ³Fiocruz Bahia, Brazil. ⁴University of California at Berkeley, USA.

[P2.41] Thermal discomfort and sleep quality and duration during and after a heatwave: A longitudinal study in healthy Chilean volunteers
Macarena Valdés¹, Jean Claude Pihan², María Pía Muñoz³
¹Universidad de Chile, Chile. ²Centro de Ciencia del Clima y la Resiliencia (CR2), Chile.

[P2.42] HumanCity: Citizen initiatives in the transition towards healthy, sustainable and inclusive cities
Fanny Esther Berigüete Alcántara, Inmaculada Rodriguez Cantalapiedra, Mariana Palumbo Fernández
Polytechnic University of Catalonia, Spain.
THANK YOU FOR JOINING US!

17th International Conference on Urban Health

Transforming our Collective Urban Future: Learning from COVID-19
6-8 July 2021 | VIRTUAL