



# 17th International Conference on Urban Health

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

## CONFERENCE PROGRAM



**ISUH**

**International Society  
for Urban Health**



## Welcome to the 17<sup>th</sup> 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



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## 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 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.

## 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 Lucía 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
- ⊆ **G rard Salem**, Professor of Urban Health, Universit  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
- ⊆ **Jos  Siri**, Senior Science Lead for Cities, Urbanisation, and Health, Our Planet, Our Health Programme, Wellcome Trust, UK
- ⊆ **Juan Vela Vald s**, 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 F tima de Pina**, Laborat rio de Informa  es em Sa de, 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 Aloba**, 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.



The Novartis  
Foundation



## 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](http://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 São 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.



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# 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 Vives<sup>1</sup>, Joanna Miguez Nery Guimarães<sup>2</sup>, Ariela Braverman Bronstein<sup>3</sup>, Uriel Moreira Silva<sup>4</sup>, Ana Ortigoza<sup>3</sup>

<sup>1</sup>Pontificia Universidad Catolica de Chile, Chile. <sup>2</sup>FIOCRUZ - Rio de Janeiro, Brazil. <sup>3</sup>Drexel Urban Health Collaborative, USA. <sup>4</sup>Universidade 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 Roebbel<sup>1</sup>, Thiago Herick de Sa<sup>1</sup>, Carlos Dora<sup>2</sup>, Giselle Sebag<sup>2</sup>, Cecilia Andersson<sup>3</sup>, Laura Petrella<sup>3</sup>, Pamela Carbajal<sup>3</sup>

<sup>1</sup>WHO, Switzerland. <sup>2</sup>ISUH, USA. <sup>3</sup>UN 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 in 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 Tsekleves<sup>1</sup>, Claudia de Souza Libanio<sup>2</sup>, Sainath Banerjee<sup>3</sup>, Yonette Thomas<sup>4</sup>

<sup>1</sup>Lancaster University, UK. <sup>2</sup>Universidade Federal de Ciências da Saúde de Porto Alegre, Brazil. <sup>3</sup>Asian Development Bank – Center for Urban Health and Development, India. <sup>4</sup>UrbanHealth360, 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 Grant<sup>1</sup>, Waleska Teixeira Caiaffa<sup>2</sup>, Ana Diez Roux<sup>3</sup>, Ben Cave<sup>4</sup>, Laura Coucill<sup>5</sup>, Tom Jeffries<sup>5</sup>, Apostolos Kyriazis<sup>6</sup>, Amit Patel<sup>7</sup>

<sup>1</sup>Cities & Health, UK. <sup>2</sup>Federal University of Minas, Brazil. <sup>3</sup>Dornsife PH at Drexel University, USA. <sup>4</sup>International Association for Impact Assessment, USA.

<sup>5</sup>Queens University Belfast, UK. <sup>6</sup>Abu Dhabi University and ISOCARP, United Arab Emirates. <sup>7</sup>University 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-Gyeabour<sup>1</sup>, Ernest Agyemang<sup>1</sup>, Samuel Agyei-Mensah<sup>1</sup>, Aruna Sivakumar<sup>2</sup>, Majid Ezzati<sup>2</sup>

<sup>1</sup>University of Ghana, Ghana. <sup>2</sup>Imperial 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

María A. Wilches-Mogollón<sup>1</sup>, María Isabel Arévalo<sup>1</sup>, Mario Linares-Vásquez<sup>1</sup>, Olga L. Sarmiento<sup>1</sup>, María Alejandra Rubio<sup>1</sup>, Alberto Florez-Pregonero<sup>2</sup>, Felipe Montes<sup>1</sup>, Luis A. Guzman<sup>1</sup>

<sup>1</sup>Universidad de Los Andes, Colombia. <sup>2</sup>Universidad Javeriana, Colombia

### 12:30-12:45 EDT [O01.3]

#### Social Inclusion and Physical Activity in Ciclovía Recreativa Programs in Latin America

Carlos Mejía-Arbelaez<sup>1</sup>, Olga L. Sarmiento<sup>1</sup>, Rodrigo Mora Vega<sup>2</sup>, Mónica Flores Castillo<sup>3</sup>, Ricardo Truffello<sup>3</sup>, Lina Martínez<sup>4</sup>, Catalina Medina<sup>5</sup>, Oscar Guaje<sup>1</sup>, José David Pinzón Ortiz<sup>1</sup>, Andres Felipe Useche<sup>1</sup>

<sup>1</sup>Universidad de los Andes, Colombia. <sup>2</sup>Faculty of Architecture and Urbanism, Universidad de Chile, Chile. <sup>3</sup>Centro de Desarrollo Urbano Sustentable, Observatorio de Ciudades UC, Chile. <sup>4</sup>Universidad ICESI, Colombia. <sup>5</sup>National 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 Perez<sup>1,2,3,4</sup>, Laia Palencia<sup>1,2,3,4</sup>, Brenda Biaan Gómez-Leon<sup>1,2,3,4</sup>

<sup>1</sup>Agència de Salut Pública de Barcelona (ASPBB), Spain. <sup>2</sup>CIBER Epidemiología y Salud Pública (CIBERESP), Spain. <sup>3</sup>Institut d'Investigació Biomèdica (IIB Sant Pau), Spain. <sup>4</sup>And 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 Xiao, 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 Xiao, 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-Mendieta<sup>1</sup>, Pablo Uriza<sup>1,2</sup>, Sergio Cabrales<sup>1</sup>, Andres Medaglia<sup>1</sup>, Luis A Guzman<sup>1</sup>, Olga L Sarmiento<sup>1</sup>

<sup>1</sup>Universidad de los Andes, Colombia. <sup>2</sup>Universidad Sergio Arboleda, Colombia

### 12:45-13:00 EDT [O02.4]

#### Health impacts of bike-sharing systems in the U.S.

David Rojas, Raeven 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 Rojas, 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 Ivylata Khanam, S.M. Manzoor Ahmed Hanifi, Daniel D Reidpath, Sabrina Rasheed  
*icddr,b, Bangladesh*

#### 12:15-12:30 EDT [O03.2]

##### **Assessment of the neighbourhood 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 Parpouchi<sup>1</sup>, Akm Moniruzzaman<sup>1</sup>, Jane Buxton<sup>2</sup>, Julian Somers<sup>1</sup>  
<sup>1</sup>*Simon Fraser University, Canada.* <sup>2</sup>*University 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-Vela<sup>1,2</sup>, Jesús Rivera-Navarro<sup>2,3</sup>, Pedro Gullón<sup>2,4</sup>, Julia Díez<sup>2</sup>, Isabelle Anguelovski<sup>5</sup>, Manuel Franco<sup>2,6</sup>  
<sup>1</sup>*University Hospital Infanta Leonor, Spain.* <sup>2</sup>*University of Alcalá, Spain.* <sup>3</sup>*University of Salamanca, Spain.* <sup>4</sup>*RMIT University, Australia.* <sup>5</sup>*Medical Research Institute Hospital del Mar, Spain.* <sup>6</sup>*Johns 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 McIntire<sup>1,2</sup>, Tiara Halstead<sup>1</sup>, Devesh Dajee<sup>1</sup>, Matt Kermitz<sup>1</sup>, Kyle McGregor<sup>2</sup>, Sharon L. Larson<sup>3</sup>  
<sup>1</sup>*Thomas Jefferson University, USA.* <sup>2</sup>*Main Line Health System Center for Population Health Research at Lankenau Institute for Medical Research, USA.*  
<sup>3</sup>*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

### [O05] Buildings as determinants of indoor air quality

Abstract session

**Moderator:** Marcelo Korc

16:30-16:45 EDT [O05.1]

#### 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 [O05.2]

#### 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 [O05.3]

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

Guanqiong Wei<sup>1</sup>, Xiyang Yu<sup>1,2</sup>, Xudong Yang<sup>1</sup>

<sup>1</sup> Tsinghua university, China. <sup>2</sup> China Academy of Building Research, China

## [O06] Multiple approaches to understanding the built environment in cities

Abstract session

**Moderator:** Gina Lovasi

### 16:30-16:45 EDT [O06.1]

#### **Built environment profiles for Latin American urban settings: The SALURBAL study**

Olga L. Sarmiento<sup>1</sup>, [Andres F Useche](#)<sup>1</sup>, Daniel A. Rodriguez<sup>2</sup>, Iryna Dronova<sup>2</sup>, Oscar Guaje<sup>1</sup>, Felipe Montes<sup>1</sup>, Ivana Stankov<sup>3</sup>, Maria Alejandra Wilches<sup>1</sup>, Usama Bilal<sup>3</sup>, Xize Wang<sup>4</sup>

<sup>1</sup>Universidad de los Andes, Colombia. <sup>2</sup>University of California Berkeley, USA. <sup>3</sup>Drexel University, USA. <sup>4</sup>University of Singapore, Singapore

### 16:45-17:00 EDT [O06.2]

#### **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 Salmi](#)<sup>1</sup>, Jérôme Chenal<sup>1,2</sup>, Vitor Pessoa Colombo<sup>1</sup>

<sup>1</sup>École polytechnique fédérale de Lausanne (EPFL) - Urban and regional Planning Community (CEAT), Switzerland. <sup>2</sup>École polytechnique fédérale de Lausanne (EPFL) - EXAF, Switzerland

### 17:00-17:15 EDT [O06.3]

#### **Mindset, mindfulness and mastery of a transformational built environment: An African focus**

[Suki Mwendwa](#)

Technical University of Kenya, Kenya

## [O07] Urban upgrading and neighborhood recovery programs: understanding impacts and inequities

Abstract session

**Moderator:** David Vlahov

### 16:30-16:45 EDT [O07.1]

#### **Perceptions of local residents on the health impacts of the Vila Viva urban upgrading program in Belo Horizonte, Brazil**

Elis Borde<sup>1</sup>, [Lidia Maria de Oliveira Morais](#)<sup>1</sup>, Thais Felisberto Pereira<sup>1</sup>, Helena Lopes de Barros<sup>1</sup>, Laura Parreiras<sup>1</sup>, Maria Cecilia Assis Araújo<sup>1</sup>, Raul Lansky de Oliveira<sup>2</sup>

<sup>1</sup>Universidade Federal de Minas Gerais, Brazil. <sup>2</sup>Fundação Oswaldo Cruz - MG, Brazil

### 16:45-17:00 EDT [O07.2]

#### **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 [O07.3]

#### **Material conditions as social determinants associated with the health of Chilean residents in the neighborhood regeneration process**

[Paola Olave-Müller](#)<sup>1</sup>, Natalia López-Contreras<sup>1,2</sup>, Soledad Burgos De la Vega<sup>3</sup>

<sup>1</sup>Universidad de La Frontera, Chile. <sup>2</sup>Universidad Pompeu Fabra, Spain. <sup>3</sup>Universidad de Chile, Chile

### 17:15-17:30 EDT [O07.4]

#### **The impact of a multidimensional urban upgrading intervention on robberies in Cape Town: a quasi-experimental evaluation**

[Samuel Lloyd](#)<sup>1</sup>, Brett Bowman<sup>2</sup>, Sulaiman Salau<sup>3</sup>, Richard Matzopoulos<sup>3,4</sup>

<sup>1</sup>ETH Zurich, Switzerland. <sup>2</sup>University of Witwatersrand, South Africa. <sup>3</sup>University of Cape Town, South Africa. <sup>4</sup>South African Medical Research Council, South Africa

## [O08] Mapping and modelling approaches for understanding housing conditions, poverty, and health

Abstract session

**Moderator:** Mabel Carabali Mosquera

### 16:30-16:45 EDT [O08.1]

#### **Predicting and mapping poverty in small areas of Dhaka City: A mixed effect model approach using consumption data**

[Zahidul Quayyum](#)<sup>1</sup>, M. Shafiqur Rahman<sup>2</sup>, Md. Uzzal Chowdhury<sup>1</sup>, Rafiul Alam<sup>1</sup>, Marzuka Ahmad Radia<sup>1</sup>, Alicia Catherine Cavanuagh<sup>3</sup>, Brian E Robinson<sup>3</sup>

<sup>1</sup>BRAC University, Bangladesh. <sup>2</sup>Dhaka University, Bangladesh. <sup>3</sup>McGill 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**

Ángela Abascal<sup>1</sup>, [Natalie Rothwell](#)<sup>2</sup>, Adenike Shonowo<sup>3</sup>, Dana. R. Thomson<sup>4</sup>, Peter Elias<sup>3</sup>, Helen Elsey<sup>5</sup>, Godwin Yeboah<sup>2</sup>, Monika Kuffer<sup>6</sup>

<sup>1</sup>University of Navarra, Spain. <sup>2</sup>University of Warwick, UK. <sup>3</sup>University of Lagos, Nigeria. <sup>4</sup>University of Southampton, UK. <sup>5</sup>University of York, UK. <sup>6</sup>University 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 Cavanaugh](#)<sup>1</sup>, Brian Robinson<sup>1</sup>, Honor Bixby<sup>1</sup>, Robert MacTavish<sup>1</sup>, Alexandra Schmidt<sup>1</sup>, Jill Baumgartner<sup>1</sup>, Jacqueline Anum<sup>2</sup>, Samilia Mintah<sup>2</sup>, George Owusu<sup>3</sup>, Majid Ezzati<sup>4</sup>

<sup>1</sup>McGill University, Canada. <sup>2</sup>Ghana Statistical Service, Ghana. <sup>3</sup>University of Ghana, Ghana. <sup>4</sup>Imperial 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 Mazariegos](#)<sup>1</sup>, Amy H. Auchincloss<sup>2</sup>, Ariela Braverman-Bronstein<sup>2</sup>, María F. Kroker-Lobos<sup>1</sup>, Manuel Ramírez-Zea<sup>1</sup>, Philip Hessel<sup>3</sup>, J. Jaime Miranda<sup>4</sup>, Carolina Pérez-Ferrer<sup>5</sup>

<sup>1</sup>Institute of Nutrition of Central America and Panama (INCAP), Guatemala. <sup>2</sup>Drexel University, USA. <sup>3</sup>Universidad de los Andes, Colombia. <sup>4</sup>Universidad Peruana Cayetano Heredia, Peru. <sup>5</sup>National 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. Meisel](#)<sup>1,2</sup>, Valentina Esguerra<sup>1</sup>, Angie M. Ramirez<sup>1</sup>, Felipe Montes<sup>3,2</sup>, Ivana Stankov<sup>4,5</sup>, Usama Bilal<sup>4</sup>, Carolina Perez<sup>6,7</sup>, Natalia Tumas<sup>8,9,10,11</sup>, Juan A. Valdivia<sup>12,13</sup>, Ana V. Diez Roux<sup>4</sup>

<sup>1</sup>Universidad de Ibagué, Colombia. <sup>2</sup>Social and Health Complexity Center, Colombia. <sup>3</sup>Universidad de los Andes, Colombia. <sup>4</sup>Drexel Dornsife School of Public Health, USA. <sup>5</sup>University of South Australia, Australia. <sup>6</sup>National Institute of Public Health, Mexico. <sup>7</sup>National Council for Science and Technology (CONACYT), Mexico. <sup>8</sup>Centro de Investigaciones y Estudios sobre Cultura y Sociedad (CIECS), Argentina. <sup>9</sup>Consejo Nacional de Investigaciones Científicas y Técnicas (CONICET), Argentina. <sup>10</sup>Universidad Nacional de Córdoba, Argentina. <sup>11</sup>Universidad Pompeu Fabra, Spain. <sup>12</sup>Universidad de Chile, Chile. <sup>13</sup>Centro 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 Oliveira](#)<sup>1</sup>, Jorge Rocha<sup>1</sup>, Ana Isabel Ribeiro<sup>2</sup>

<sup>1</sup>Universidade de Lisboa, Portugal. <sup>2</sup>Universidade 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 Orozco](#)<sup>1</sup>, Santiago Agraz Orozco<sup>2</sup>, Eugenia Muñoz Ruiz<sup>2</sup>, María Paula Carrillo Giraldez<sup>2</sup>

<sup>1</sup>New York University, USA. <sup>2</sup>Universidad Anahuac Queretaro, Mexico

## [O11] Nature, greenspace, and psycho-social wellbeing in the city

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 Habimana](#)<sup>1,2</sup>, [Paul Draus](#)<sup>3</sup>, [Salman Qureshi](#)<sup>4</sup>, [Julliette Roddy](#)<sup>5</sup>, [Emmanuel Biracyaza](#)<sup>2</sup>, [Eugene RUTEMBESA](#)<sup>2</sup>

<sup>1</sup>Rwanda Resilience and Grounding organization, Rwanda. <sup>2</sup>University of Rwanda, Rwanda. <sup>3</sup>The University of Michigan-Dearborn, USA. <sup>4</sup>Humboldt University Berlin, Germany. <sup>5</sup>Northern Arizona University, USA

### 16:45-17:00 EDT [O26.1]

#### **Miyo-wicêhtowin: 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 Ekhaese](#)<sup>1</sup>, [Waqar Hussain](#)<sup>2</sup>

<sup>1</sup>Covenant University, Nigeria. <sup>2</sup>COMSATS 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 Marí-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

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:** [Waleska Teixeira Caiaffa](#)<sup>1</sup>, [Alejandra Vives Vergara](#)<sup>2</sup>, [Amelia Augusta de Lima Friche](#)<sup>1</sup>, [Olga Lucia Sarmiento Dueñas](#)<sup>3</sup>, [Alejandra Jauregui de la Mota](#)<sup>4</sup>, [Carolina Perez Ferrer](#)<sup>4</sup>

<sup>1</sup> *Universidade Federal de Minas Gerais, Brazil.* <sup>2</sup> *Pontificia Universidad Catolica de Chile, Chile.* <sup>3</sup> *Universidad de los Andes, Colombia.* <sup>4</sup> *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](#)<sup>1</sup>, [Adriana Stanford](#)<sup>2</sup>, [Fernanda Lanzagorta](#)<sup>3</sup>, [Raul Shifferli](#)<sup>4</sup>, [Edvaldo Nogueira](#)<sup>4</sup>, [Celfida Amada Bustillo](#)<sup>4</sup>, [Eduardo Coll](#)<sup>4</sup>, [Raúl Delgado](#)<sup>4</sup>, [Anselmo Cancino](#)<sup>4</sup>

<sup>1</sup> *PAHO/WHO, USA.* <sup>2</sup> *Secretary of Health, Mexico.* <sup>3</sup> *Pan American Health Organization, PAHO, USA.* <sup>4</sup>

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](#)<sup>1</sup>, [Alsa Bakhtawar](#)<sup>2</sup>, [Muh. Afdhal](#)<sup>3</sup>, [Thi Kinh Kieu](#)<sup>4</sup>

<sup>1</sup> *Engaging Inquiry, USA.* <sup>2</sup> *John Snow India Private Limited, India.* <sup>3</sup> *International Organization for Migration, Indonesia.* <sup>4</sup> *The University of Danang – University of Science and Education, Vietnam*

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 sectors have played in the pandemic response, and how far city governments have been able to coordinate, regulate or harness the strength 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](#)<sup>1</sup>, [Zahidul Quayyum](#)<sup>2</sup>, [Rumana Huque](#)<sup>3</sup>, [Chinyere Mbachu](#)<sup>4</sup>, [Lauren J. Wallace](#)<sup>5</sup>, [Genevieve ARYEETEY](#)<sup>5</sup>, [Obinna Onwujekwe](#)<sup>4</sup>, [Sushil Baral](#)<sup>6</sup>, [Irene Agyepong](#)<sup>7</sup>, [Deepa Barua](#)<sup>8</sup>, [Shophika Regmi](#)<sup>6</sup>

<sup>1</sup> *University of York, UK.* <sup>2</sup> *James P Grant School of Public Health, Bangladesh.* <sup>3</sup> *ARK Foundation, Bangladesh.* <sup>4</sup> *University of Nigeria, Nigeria.* <sup>5</sup> *Ghana School of Public Health, Ghana.* <sup>6</sup> *HERDi, Nepal.* <sup>7</sup> *Ghana College of Physicians and Surgeons, Ghana.* <sup>8</sup> *The ARK Foundation, Bangladesh*

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 Boufford<sup>1</sup>, Maaïke Arts<sup>2</sup>, Nataly Pinto<sup>3</sup>, Sophia Shuff<sup>4</sup>, Iliana Curiel<sup>5</sup>

<sup>1</sup> UNICEF, USA. <sup>2</sup> Regional Advisor, *Survive & Thrive, Latin America and Caribbean*, UNICEF, USA. <sup>3</sup> Latin America Coordinator, *Food Smart Cities, USA*. <sup>4</sup> Gehl, Denmark. <sup>5</sup> 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 Steven<sup>1</sup>, Kim Farnham Egan<sup>1</sup>, Raz Wali<sup>2</sup>, Dinh Sonha<sup>2</sup>, Isa Ahmad<sup>2</sup>, Alam Andi<sup>2</sup>, Afdhal Muh<sup>2</sup>, Kusumaningrum Ayub<sup>2</sup>

<sup>1</sup> JSI Research & Training Institute, Inc., USA. <sup>2</sup> 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 Rubio<sup>1</sup>, Paula Guevara<sup>1</sup>, Marcela Urbano<sup>1</sup>, Santiago Cabas<sup>1</sup>, Carlos Mejia-Arbelaez<sup>1</sup>, Patricia Rodriguez-Espinosa<sup>2</sup>, Lisa G. Rosas<sup>2</sup>, Abby C. King<sup>2</sup>, Scott Chazdon<sup>3</sup>, Olga L. Sarmiento<sup>1</sup>

<sup>1</sup> Universidad de los Andes, Colombia. <sup>2</sup> Stanford University, USA. <sup>3</sup> 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 Ssemugabo<sup>1</sup>, Prashant Puvanachandra<sup>2</sup>, Anthony Mugeere<sup>1</sup>, Bonny Balugaba<sup>1</sup>, Olive Kobusingye<sup>1</sup>, Margaret Peden<sup>2</sup>

<sup>1</sup> Makerere University School of Public Health, Uganda. <sup>2</sup> 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 Black<sup>1,2,3</sup>, Paul Pilkington<sup>4</sup>, Ben Williams<sup>4</sup>, Janet Ige<sup>4</sup>, Emily Prestwood<sup>5</sup>, Alistair Hunt<sup>6</sup>, Eleanor Eaton<sup>6</sup>, Gabriel Scally<sup>1,7</sup>

<sup>1</sup> University of Bristol, UK. <sup>2</sup> University of Reading, UK. <sup>3</sup> db+a, UK. <sup>4</sup> UWE Bristol, UK. <sup>5</sup> University of Birmingham, UK. <sup>6</sup> University of Bath, UK. <sup>7</sup> 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 Magalhães<sup>1</sup>, Bruno de Souza Moreira<sup>1</sup>, Amanda Cristina de Souza Andrade<sup>2</sup>, Débora Moraes Coelho<sup>1</sup>, Waleska Teixeira Caiaffa<sup>1</sup>

<sup>1</sup> Federal University of Minas Gerais, Brazil. <sup>2</sup> 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 Hung<sup>1</sup>, Nguyen Thi Xuan Mai<sup>2</sup>, Dao Thi Huyen<sup>3</sup>

<sup>1</sup> Save the Children, Vietnam. <sup>2</sup> Hai Phong Department of Health, Vietnam. <sup>3</sup> 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'Mello<sup>1,2,3</sup>, Ziada Sellah<sup>4</sup>, Grace Magembe<sup>4</sup>, Natasha Housseine<sup>5</sup>, Nanna Maaløe<sup>2,6</sup>, Thomas van den Akker<sup>7,8</sup>, Dan Meyrowitsch<sup>2</sup>, Timothy Mushi<sup>9</sup>, Mangalu Maseko<sup>9</sup>, Dorcas Jidayi<sup>9</sup>

<sup>1</sup>Comprehensive Community Based Rehabilitation in Tanzania, Tanzania, United Republic of. <sup>2</sup>University of Copenhagen, Denmark. <sup>3</sup>University, Dar Es Salaam, Tanzania, United Republic of. <sup>4</sup>Tanzania Ministry of Health, Tanzania, United Republic of. <sup>5</sup>Aga Khan University, Tanzania, United Republic of. <sup>6</sup>Hvidovre Hospital, Denmark. <sup>7</sup>Vrije Universiteit Amsterdam, The Netherlands. <sup>8</sup>Leiden University Medical Center, The Netherlands. <sup>9</sup>Maternal 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*

**[O15] Policy and place: lessons from COVID-19**

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 Malmusi<sup>1,2</sup>, Maribel Pasarin<sup>3,2</sup>, Marc Marí-Dell'Olmo<sup>3,2</sup>, Lucía Artazcoz<sup>3,2</sup>, Mercè Gotsens<sup>3,2</sup>, Cristina Rius<sup>3,2</sup>, Glòria Pérez<sup>3,2</sup>, Maica Rodríguez-Sanz<sup>3,2</sup>, Conchita Peña<sup>4</sup>, Carme Borrell<sup>3,2</sup>

<sup>1</sup>Ajuntament de Barcelona, Spain. <sup>2</sup>CIBERESP, Spain. <sup>3</sup>Agència de Salut Pública de Barcelona, Spain. <sup>4</sup>Consorci 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-Herrera<sup>1,2</sup>, Kathleen Chavarria-Guzmán<sup>1</sup>, David Hernández-Carmona<sup>3</sup>

<sup>1</sup>University of Antioquia, Colombia. <sup>2</sup>UPF/GREDS, Spain. <sup>3</sup>Group 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 Li<sup>1</sup>, Lei Wang<sup>1</sup>, Xiangming Chen<sup>2</sup>

<sup>1</sup>Wuhan University, China. <sup>2</sup>Trinity College, USA

09:30-09:45 EDT [O15.5]

**Stoic or dread? Exploring reactions to the Covid-19 pandemic**

Shreelata Rao Seshadri<sup>1</sup>, Sudhi Seshadri<sup>2</sup>, Benson Issac<sup>2</sup>

<sup>1</sup>Azim Premji University, India. <sup>2</sup>Independent, 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, Keunhyun 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 Motealleh<sup>1</sup>, [Parinaz Motealleh](#)<sup>2</sup>

<sup>1</sup> Shiraz University, Iran. <sup>2</sup> 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 Ghanj](#)<sup>1,2</sup>, Emmanuel Tseklevs<sup>3,2</sup>, Yonette Felicity Thomas<sup>4</sup>

<sup>1</sup> United Nations University, International Institute for Global Health, Malaysia. <sup>2</sup> Convenor of the Design Research Society Special Interest Group on Global Health, UK. <sup>3</sup> Imagination Lancaster, LICA Lancaster University, UK. <sup>4</sup> 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. Bassett**, 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**

**14:00-15:30 EDT [PN.09]**

**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 examine 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 Rodriguez](#)<sup>1</sup>, [D. Alexander Quistberg](#)<sup>2</sup>, [Cecilia Anza-Ramirez](#)<sup>3</sup>, [Mika Moran](#)<sup>1</sup>, [Ione Avila-Palencia](#)<sup>2</sup>  
<sup>1</sup>University of California - Berkeley, USA. <sup>2</sup>Drexel Urban Health Collaborative, USA. <sup>3</sup>Universidad Peruana Cayetano Heredia, Peru

**[PN.21] – NOTE: THIS SESSION IS AVAILABLE ON-DEMAND AS A PRE-CONFERENCE WORKSHOP**

**Panel 21: The impact of the COVID-19 pandemic on young people and their communities: reflections and solutions**

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 Das](#)<sup>1</sup>, [Natalia Lleras](#)<sup>2</sup>, [Amadou Moctar Ndiaye](#)<sup>3</sup>, [Anta Badji](#)<sup>4</sup>, [Delali Margaret Badasu](#)<sup>5</sup>, [Najat Jibreel](#)<sup>6</sup>, [Sambhavna Biswas](#)<sup>7</sup>, [Priyanka Routh](#)<sup>8</sup>, [Nguyen Thi Trang](#)<sup>9</sup>, [Thiago Herick de Sa](#)<sup>10</sup>, [Doug Ragan](#)<sup>11</sup>  
<sup>1</sup>Program Director, Botnar Healthy Cities for Adolescents Program, Australia. <sup>2</sup>Vivo Mi Calle, Colombia. <sup>3</sup>Fort pour le Futur, Senegal. <sup>4</sup>Youth Representative, Senegal. <sup>5</sup>Responsive Adolescent Health Interventions, Ghana. <sup>6</sup>Youth Representative, Ghana. <sup>7</sup>Haqdarshak, India. <sup>8</sup>Youth Representative, India. <sup>9</sup>Co-Creating Healthy Cities for Adolescents and Youth in Viet Nam, Vietnam. <sup>10</sup>World Health Organization, Genève, Switzerland. <sup>11</sup>UN 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 show 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 Bernal](#)<sup>1,2</sup>, [Carolina Huffmann](#)<sup>3</sup>, [Leonardo Brawl](#)<sup>4</sup>  
<sup>1</sup>Fundación Placemaking México, Mexico. <sup>2</sup>PlacemakingX, USA. <sup>3</sup>Urbanismo Vivo, Argentina. <sup>4</sup>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**

Guilherme Ottoni Teixeira Costa<sup>1</sup>, [Solimar Carnavalli Rocha](#)<sup>1</sup>, Lídia Maria de Oliveira Morais<sup>1</sup>, Uriel Moreira Silva<sup>1</sup>, Dário Alves da Silva Costa<sup>1</sup>, Claire Slesinski<sup>2</sup>, Ana Diez-Roux<sup>2</sup>, Amélia Augusta de Lima Friche<sup>1</sup>, Waleska Teixeira Caiassa<sup>1</sup>  
<sup>1</sup>*Federal University of Minas Gerais, Brazil.* <sup>2</sup>*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](#)<sup>1,2</sup>, Monika Kuffer<sup>2</sup>, Peter Elias<sup>3</sup>, João Porto de Albuquerque<sup>4</sup>, Caroline Kabaria<sup>5</sup>  
<sup>1</sup>*University of Southampton, UK.* <sup>2</sup>*University of Twente, The Netherlands.* <sup>3</sup>*University of Lagos, Nigeria.* <sup>4</sup>*University of Warwick, UK.* <sup>5</sup>*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](#)<sup>1,2</sup>, Ana Diez-Roux<sup>3</sup>, Scott Adams<sup>1</sup>, Phoenix Do<sup>1</sup>, Mikaela Becker<sup>1</sup>, Kiarri Kershaw<sup>4</sup>  
<sup>1</sup>*University of Wisconsin-Milwaukee, USA.* <sup>2</sup>*University of Wisconsin-Madison, USA.* <sup>3</sup>*Drexel University, USA.* <sup>4</sup>*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](#)<sup>1</sup>, Leticia Cardoso<sup>1</sup>, Amelia Augusta de L Friche<sup>2</sup>, Ana V Diez Roux<sup>3</sup>, Anne D Slovic<sup>4</sup>, Gervasio Santos<sup>5</sup>, Nelson Gouvea<sup>4</sup>, Sharrelle Barber<sup>3</sup>, Usama Bilal<sup>3</sup>, Waleska T Caiassa<sup>2</sup>  
<sup>1</sup>*Fiocruz, Brazil.* <sup>2</sup>*Federal University of Minas Gerais (UFMG), Brazil.* <sup>3</sup>*Drexel University, USA.* <sup>4</sup>*University of São Paulo, Brazil.* <sup>5</sup>*CIDACS Fiocruz, Brazil*

### 14:15-14:30 EDT [O18.2]

#### **Spatial inequalities of COVID-19 incidence and associated risk factors in Portugal**

[Ricardo Almendra](#)<sup>1,2</sup>, Paula Santana<sup>1,2</sup>, Cláudia Costa<sup>1,2</sup>  
<sup>1</sup>*University of Coimbra, Portugal.* <sup>2</sup>*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](#)<sup>1</sup>, Dipika Shankar Bhattacharyya<sup>1</sup>, Md. Rayhanul Islam<sup>1</sup>, Syed Mazoor Ahmed Hanifi<sup>1</sup>, Aliya Naheed<sup>1</sup>, Shaikh Mehdi Hasan<sup>1</sup>, Rubhana Raqib<sup>2</sup>, Daniel D Reidpath<sup>1</sup>  
<sup>1</sup>*Health Systems and Population Studies Division, icddr,b, Bangladesh.* <sup>2</sup>*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-Riquelme<sup>1</sup>, Tonatíuh Barrientos<sup>2</sup>, Tania Alfaro<sup>1</sup>, Sandra Flores-Alvarado<sup>1</sup>, Olga L Sarmiento<sup>3</sup>, Andrés Trotta<sup>4</sup>, Camila Teixeira Vaz<sup>5</sup>, Ana Diez-Roux<sup>6</sup>, Mariana Lazo<sup>6</sup>

<sup>1</sup>Universidad de Chile, Chile. <sup>2</sup>Instituto Nacional de Salud Pública, Mexico. <sup>3</sup>Universidad de los Andes, Colombia. <sup>4</sup>National University of Lanus, Argentina.

<sup>5</sup>Federal University of Juiz de Fora, Brazil. <sup>6</sup>Drexel University, USA

### 14:30-14:45 EDT [O19.3]

#### **Neighborhood characteristics associated with walking in older Brazilians: findings from the ELSI-Brazil study**

Bruno de Souza Moreira<sup>1</sup>, Amanda Cristina de Souza Andrade<sup>2</sup>, Luciana de Souza Braga<sup>1</sup>, Alessandra de Carvalho Bastone<sup>3</sup>, Juliana Lustosa Torres<sup>1</sup>, Maria Fernanda Furtado Lima-Costa<sup>4</sup>, Camila Teixeira Vaz<sup>5</sup>, Waleska Teixeira Caiaffa<sup>1</sup>

<sup>1</sup>Federal University of Minas Gerais, Brazil. <sup>2</sup>Federal University of Mato Grosso, Brazil. <sup>3</sup>Federal University of Vales do Jequitinhonha e Mucuri, Brazil. <sup>4</sup>René Rachou Institute - Oswaldo Cruz Foundation, Brazil. <sup>5</sup>Federal University of Juiz de Fora, Brazil

### 14:45-15:00 EDT [O19.4]

#### **Individual and contextual characteristics and walking for transportation among older Brazilians living in an urban center: A population-based study**

Bruno de Souza Moreira<sup>1</sup>, Amanda Cristina de Souza Andrade<sup>2</sup>, Alessandra de Carvalho Bastone<sup>3</sup>, Karina Simone de Souza Vasconcelos<sup>1</sup>, Viviane Bicalho Duffles Teixeira<sup>1</sup>, César Coelho Xavier<sup>4</sup>, Fernando Augusto Proietti<sup>5</sup>, Débora Moraes Coelho<sup>1</sup>, Waleska Teixeira Caiaffa<sup>1</sup>

<sup>1</sup>Federal University of Minas Gerais, Brazil. <sup>2</sup>Federal University of Mato Grosso, Brazil. <sup>3</sup>Federal University of Vales do Jequitinhonha e Mucuri, Brazil. <sup>4</sup>Faculty of Health and Human Ecology, Brazil. <sup>5</sup>René Rachou Institute - Oswaldo Cruz Foundation, Brazil

### 15:00-15:15 EDT [O19.5]

#### **Neighbourhood racial/ethnic clustering and longitudinal change in cognition: The multi-ethnic study of atherosclerosis**

Lilah Besser<sup>1</sup>, Oanh Meyer<sup>2</sup>, Miranda Jones<sup>3</sup>, Duyen Tran<sup>2</sup>, Michaela Booker<sup>2</sup>, Diana Mitsova<sup>1</sup>, Rachel Peterson<sup>2</sup>, James Galvin<sup>4</sup>, James Bateman<sup>5</sup>, Kathleen Hayden<sup>5</sup>

<sup>1</sup>Florida Atlantic University, USA. <sup>2</sup>University of California, Davis, USA. <sup>3</sup>Johns Hopkins University, USA. <sup>4</sup>University of Miami, USA. <sup>5</sup>Wake Forest University, USA

### 15:30-16:30 EDT

## Poster Session 2 (See full list at the end of this program)

### 16:30-17:30 EDT

## [O20] Urban waste management

Abstract session

**Moderator:** Graham Alabaster

### 16:30-16:45 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 Radia<sup>1</sup>, Md. Uzzal Chowdhury<sup>1</sup>, Shakil Ahmed<sup>2</sup>, Prianka Sultana Hema<sup>1</sup>, Shahriar Hasan<sup>1</sup>, Delufa Tuz Jerin<sup>1</sup>, Rafiul Alam<sup>1</sup>, Hasna Hena Sara<sup>1</sup>, Zahidul Quayyum<sup>1</sup>, Md. Tanvir Hasan<sup>1</sup>

<sup>1</sup>BRAC University, Bangladesh. <sup>2</sup>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 SPA

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 Chile, Chile*

**16:45-17:00 EDT [O21.2]**

**Healthy housing inclusion project: Campinas experience, São Paulo - Brazil**

Daniel Pereira Rocha<sup>1</sup>, Joseane Maria Aparecida Parnaíba<sup>1</sup>, Jonatha Roberto Pereira<sup>1</sup>, Ana Maria Girotti Sperandio<sup>2</sup>, Tailana Fraga Lima<sup>2</sup>

<sup>1</sup>COHAB - Companhia de Habitação Popular de Campinas, Brazil. <sup>2</sup>Universidade 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-Contreras<sup>1,2</sup>, Vanessa Puig-Barrachina<sup>2</sup>, Alejandra Vives<sup>3</sup>, Paola Olave-Müller<sup>4</sup>, Mercè Gotsens<sup>2,5</sup>

<sup>1</sup>Universitat Pompeu Fabra, Spain. <sup>2</sup>Agència de Salut Pública de Barcelona, Spain. <sup>3</sup>Pontificia Universidad Católica de Chile, Chile. <sup>4</sup>Universidad de La Frontera, Chile. <sup>5</sup>Institut 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 McGrath<sup>1</sup>, Priyanka Gautam<sup>2</sup>

<sup>1</sup>Portland State University, USA. <sup>2</sup>Oregon 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 Firth<sup>1</sup>, Jana A. Hirsch<sup>2</sup>, Daniel Fuller<sup>3</sup>, Meghan Winters<sup>1</sup>, Yan Kestens<sup>4</sup>

<sup>1</sup>Simon Fraser University, Canada. <sup>2</sup>Drexel University, USA. <sup>3</sup>Memorial University, Canada. <sup>4</sup>University 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 Tasioulis<sup>1</sup>, Kavi Bhalla<sup>2</sup>, Suel Esra<sup>1</sup>, Ricky Navthani<sup>1</sup>, Majid Ezzati<sup>1</sup>

<sup>1</sup>Imperial College London, UK. <sup>2</sup>The 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 Ojo<sup>1</sup>, Mercy Amegah<sup>1</sup>, Shaibu Bukari<sup>1</sup>, Kofi Adanu<sup>2</sup>, Fillipo Asare-Akuffo<sup>3</sup>

<sup>1</sup>University of Cape Coast, Ghana. <sup>2</sup>University of Alabama, USA. <sup>3</sup>Florida 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 Fodde, 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<sup>1</sup>, Emily Peca<sup>2</sup>, Esther Anono<sup>1</sup>, Milka Wanjohi<sup>1</sup>, Elizabeth Kimani-Murage<sup>1</sup>  
<sup>1</sup>African Population and Health Research Center, Kenya. <sup>2</sup>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**

Evélise Pereira Barboza<sup>1,2,3</sup>, Marta Cirach<sup>1,2,3</sup>, Sasha Khomenko<sup>1,2,3</sup>, Tamara Lungman<sup>1,2,3</sup>, Natalie Mueller<sup>1,2,3</sup>, Jose Barrera-Gomez<sup>1,2,3</sup>, David Rojas-Rueda<sup>4</sup>, Michelle Kondo<sup>5</sup>, Mark Nieuwenhuijsen<sup>1,2,3</sup>  
<sup>1</sup>Barcelona Institute for Global Health (ISGlobal), Spain. <sup>2</sup>Pompeu Fabra University, Spain. <sup>3</sup>CIBER Epidemiology and Public Health, Spain. <sup>4</sup>Colorado State University, USA. <sup>5</sup>USDA Forest Service, USA

16:30-17:30 EDT [PN.22]

## 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](#)

DAY 3: THURSDAY 8 JULY 2021

08:30-10:00 EDT

08:30-10:00 EDT [PN.13]

**Panel 13: Urban Governance for health and wellbeing in Latin-American cities**

Panel Discussion

This panel will focus on governance mechanisms for promoting health and wellbeing in cities across the region, as well as challenges and opportunities for 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 Eijkemans](#)<sup>1</sup>, [Ana Diez Roux](#)<sup>2</sup>, [Diana Alarcon](#)<sup>3</sup>, [Johny Araya](#)<sup>3</sup>, [Alejandro Gomez](#)<sup>3</sup>, [Carolina Cosse](#)<sup>3</sup>, [Marta Suplicy](#)<sup>3</sup>  
<sup>1</sup>PAHO/WHO, USA. <sup>2</sup>Salurbal, USA. <sup>3</sup>

08:30-10:00 EDT [PN.14]

**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 Nix](#)<sup>1</sup>, [Anne Wilson](#)<sup>2</sup>, [Nathalie Roebbel](#)<sup>3</sup>, [Graham Alabaster](#)<sup>4</sup>, [Illya Azaroff](#)<sup>5</sup>, [Sarah Ruel-Bergeron](#)<sup>6</sup>  
<sup>1</sup>University of Liverpool, UK. <sup>2</sup>Liverpool School of Tropical Medicine, BOVA Network, UK. <sup>3</sup>WHO, Switzerland. <sup>4</sup>UN-Habitat, Kenya. <sup>5</sup>The American Institute of Architects, USA. <sup>6</sup>RA, ARCHIVE Global, USA

08:30-10:00 EDT [PN.15]

**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 Elisaria](#)<sup>1</sup>, [Jane Wanyama](#)<sup>2</sup>, [Elizabeth Kimani-Murage](#)<sup>3</sup>, [Churchill Shakim](#)<sup>4</sup>, [Yoswa Dambisya](#)<sup>5</sup>, [Gabriele Fontana](#)<sup>6</sup>, [Emily Peca](#)<sup>7</sup>, [Antonina Mutoro](#)<sup>8</sup>, [Sharon Among](#)<sup>9</sup>, [Cudjoe Bennett](#)<sup>9</sup>  
<sup>1</sup>Ifakara Health Institute, Tanzania, United Republic of. <sup>2</sup>Infectious Diseases Institute, Uganda. <sup>3</sup>African Population and Health Research Center, Kenya. <sup>4</sup>TAMASHA, Tanzania, United Republic of. <sup>5</sup>East Central Southern Health Community, Tanzania, United Republic of. <sup>6</sup>UNICEF ESARO, Kenya. <sup>7</sup>University Research Co., LLC, USA. <sup>8</sup>African Population & Health Research Centre, Kenya. <sup>9</sup>

08:30-10:00 EDT [PN.16]

**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 through 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 level 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 Sitechiping](#)<sup>1</sup>, [José Álvarez Muñoz](#)<sup>2</sup>, [Pontus Westerberg](#)<sup>2</sup>, [Yolanda Bichara](#)<sup>2</sup>, [Xavier Tiana Casablanca](#)<sup>2</sup>, [Marius Pieterse](#)<sup>2</sup>, [Jo Boufford](#)<sup>3</sup>

<sup>1</sup>UN Habitat, Kenya. <sup>2</sup>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

[Jannelle Couret](#)<sup>1</sup>, [Nathalie Lavoie](#)<sup>2</sup>, [Hanan Bankhah](#)<sup>1</sup>, [Howard Ginsberg](#)<sup>3</sup>, [Roger Lebrun](#)<sup>1</sup>, [Alan Gettman](#)<sup>4</sup>

<sup>1</sup>University of Rhode Island, USA. <sup>2</sup>Tufts University, USA. <sup>3</sup>USGS, USA. <sup>4</sup>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 1D2D hydrodynamic model. Case study: Ninh Kieu district, Can Tho city - A lower Mekong basin in Vietnam

[Nguyen Thi-Thao Huynh](#)<sup>1,2,3</sup>, [Gerald Corzo Perez](#)<sup>1</sup>, [Assela Pathirana](#)<sup>4,5</sup>, [Chris Zevenbergen](#)<sup>1,2</sup>

<sup>1</sup>IHE Delft Institute for Water Education, The Netherlands. <sup>2</sup>Delft University of Technology, The Netherlands. <sup>3</sup>Viet Nam National University - Ho Chi Minh City, Vietnam. <sup>4</sup>United Nations Development Programme, Maldives. <sup>5</sup>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 Moreno](#)<sup>1</sup>, [Enrique Regidor](#)<sup>2</sup>

<sup>1</sup>Universidad Pública de Navarra, Spain. <sup>2</sup>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 Barbosa](#)<sup>1,2</sup>, [Gustave Ilunga](#)<sup>1,2</sup>, [Anne Roué-Le Gall](#)<sup>1,2</sup>, [Marie-Florence Thomas](#)<sup>1,2</sup>

<sup>1</sup>Université de Rennes, France. <sup>2</sup>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 interdisciplinary modelling study in Ahmedabad, India

[Vijay Limaye](#)<sup>1</sup>, [Akhilesh Magal](#)<sup>2</sup>, [Jay Joshi](#)<sup>2</sup>, [Sujit Maji](#)<sup>3</sup>, [Priya Dutta](#)<sup>4</sup>, [Prima Madan](#)<sup>1</sup>, [Suvarna Tikle](#)<sup>3</sup>, [Gufran Beig](#)<sup>3</sup>, [Dileep Mavalankar](#)<sup>4</sup>, [Kim Knowlton](#)<sup>1,5</sup>

<sup>1</sup>Natural Resources Defense Council, USA. <sup>2</sup>Gujarat Energy & Research Management Institute, India. <sup>3</sup>Indian Institute of Tropical Meteorology, Ministry of Earth Sciences, India. <sup>4</sup>Indian Institute of Public Health, Gandhinagar, India. <sup>5</sup>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 Steiger<sup>1</sup>, Caroline Hoffman<sup>1</sup>, Sophie Kimball<sup>1</sup>, Kathleen Chen<sup>1</sup>, Vijay Limaye<sup>2</sup>

<sup>1</sup> *Columbia University Mailman School of Public Health, USA.* <sup>2</sup> *Natural 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 Agarwal<sup>1</sup>, Kanupriya Kothiwala<sup>2</sup>, Shabnam Verma<sup>2</sup>, Mayaram Sharma<sup>3</sup>, C B Sharma<sup>3</sup>, Neeraj Verma<sup>2</sup>, Kailash Vishwakarma<sup>2</sup>

<sup>1</sup> *Urban Health Resource Centre, New Delhi, India.* <sup>2</sup> *Urban Health Resource Centre, Indore, India.* <sup>3</sup> *Urban 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**

Marya Bakhtsiyarava<sup>1</sup>, Ana Ortigoza<sup>2</sup>, Ariela Braverman-Bronstein<sup>2</sup>, Josiah Kephart<sup>2</sup>, Santiago Rodriguez<sup>3</sup>, Jordan Rodriguez Hernandez<sup>2</sup>, Ana Diez-Roux<sup>2</sup>, Brisa Sanchez<sup>2</sup>

<sup>1</sup> *University of California Berkeley, USA.* <sup>2</sup> *Drexel University, USA.* <sup>3</sup> *Universidad 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 Fan<sup>1</sup>, Yingli Xuan<sup>2</sup>, Shinji Yamamura<sup>1</sup>, Takeshi Kondo<sup>1</sup>

<sup>1</sup> *Nikken Sekkei Research Institute, Japan.* <sup>2</sup> *Tokyo 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*

**[O30] COVID-19 and air pollution: lessons and opportunities**

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 mohajeri<sup>1</sup>, Alina Walch<sup>2</sup>, Agust Gudmundsson<sup>3</sup>, Clare Heaviside<sup>1</sup>, Sadaf Askari<sup>4</sup>, Paul Wilkinson<sup>5</sup>, Michael Davies<sup>6</sup>

<sup>1</sup> *University College London, UK.* <sup>2</sup> *Solar Energy and Building Physics Laboratory, EPFL, Switzerland, UK.* <sup>3</sup> *Royal Holloway, University of London, UK.* <sup>4</sup> *Smart Cities Lab in Hybream Consultancy, UK.* <sup>5</sup> *London School of Hygiene and Tropical Medicine, UK.* <sup>6</sup> *Institute 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 Veronesi<sup>1</sup>, Giuseppe Calori<sup>2</sup>, Nicola Pepe<sup>2</sup>, Marco Ferrario<sup>1</sup>

<sup>1</sup> *University of Insubria, Varese, Italy.* <sup>2</sup> *ARIANET 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 Diez Roux](#)<sup>1,2,3</sup>, Felipe Montes Jimenez<sup>4</sup>, Brent Langellier<sup>3</sup>, Ivana Stankov<sup>1</sup>, Sofia Del Carmen Baquero Urquijo<sup>4</sup>

<sup>1</sup>Drexel Urban Health Collaborative, USA. <sup>2</sup>Dornsife School of Public Health, USA. <sup>3</sup>Drexel University, USA. <sup>4</sup>Universidad de 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 Carbajal](#)<sup>1,2</sup>, Carolina Piedrafita<sup>3</sup>, Jose Chong<sup>3</sup>, Sina Del Rosario<sup>3</sup>, Jhon Nel RODRÍGUEZ<sup>3</sup>, Gerry Eijkemans<sup>3</sup>, Tolu Oni<sup>3</sup>, Alvaro Paciello<sup>3</sup>

<sup>1</sup>UN-Habitat, Kenya. <sup>2</sup>Inter-American Development Bank, USA. <sup>3</sup>

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 Baxter<sup>1</sup>, Mariana Silveira<sup>2</sup>, Alvaro Avezum<sup>3</sup>, Marcos Vinicius Souza<sup>4</sup>, Johannes Boch<sup>1</sup>, Mark Barone<sup>5,6,7</sup>

<sup>1</sup>Novartis Foundation, Switzerland. <sup>2</sup>Instituto Tellus, Brazil. <sup>3</sup>McMaster University, Canada. <sup>4</sup>IPT – Instituto de Pesquisas Tecnológicas & Center of the 4th Industrial Revolution, Brazil. <sup>5</sup>VP International Diabetes Federation (IDF), Belgium. <sup>6</sup>Steering Committee Member Life for a Child International (LFAC), USA.

<sup>7</sup>Former-VP & Honorary Member – ADJ Diabetes, Brazil

12:00-13:30 EDT [PN.20]

### 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 of air pollution and heat on health.

**Moderator and panelists:** Nelson Gouveia<sup>1</sup>, Ana Ortigoza<sup>2</sup>, Josiah Kephart<sup>2</sup>, Anne Dorothée Slovic<sup>1</sup>

<sup>1</sup>Faculdade de Medicina da Universidade de São Paulo, Brazil. <sup>2</sup>Drexel Urban Health Collaborative, USA

### [O31] Social and built environments as determinants of health in cities

Abstract session

**Moderator:** Jason Coburn

12:00-12:15 EDT [O31.1]

#### Social environment characteristics related to self-rated health in four Latin America countries: evidence from SALURBAL Project

Camila Vaz<sup>1</sup>, Débora Coelho<sup>2</sup>, Amanda Andrade<sup>3</sup>, Uriel Silva<sup>2</sup>, Ana Victoria Diez-Roux<sup>4</sup>, Amélia Augusta Friche<sup>2</sup>, Waleska Caiaffa<sup>2</sup>

<sup>1</sup>Federal University of Juiz de Fora, Brazil. <sup>2</sup>Federal University of Minas Gerais, Brazil. <sup>3</sup>Federal University of Mato Grosso, Brazil. <sup>4</sup>Drexel 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 Vaz<sup>1</sup>, Uriel Silva<sup>2</sup>, Michelle Silva<sup>2</sup>, Ana Ortigoza<sup>3</sup>, Marcio Alazraqui<sup>4</sup>, Alex Quistberg<sup>3</sup>, Ariela Bronstein<sup>3</sup>, Serena Perner<sup>4</sup>, Amélia Augusta Friche<sup>2</sup>, Waleska Caiaffa<sup>2</sup>

<sup>1</sup>Federal University of Juiz de Fora, Brazil. <sup>2</sup>Federal University of Minas Gerais, Brazil. <sup>3</sup>Drexel University, USA. <sup>4</sup>Universidad Nacional de Lanús, Argentina

12:30-12:45 EDT [O31.3]

#### Poor lighting and health in Dhaka

Judith I. Rodriguez<sup>1,2</sup>, Marzuka A. Radia<sup>3</sup>, Riaz H. Khan<sup>3</sup>, Zahidul Quayyum<sup>3</sup>, Gary Adamkiewicz<sup>1</sup>

<sup>1</sup>Harvard T.H. Chan School of Public Health, USA. <sup>2</sup>Harvard Graduate School of Design, USA. <sup>3</sup>BRAC 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 Dias<sup>1,2,3</sup>, Waleska Caiaffa<sup>2,3</sup>, Dário Costa<sup>3</sup>, César Xavier<sup>4,3</sup>, Fernando Proietti<sup>5,3</sup>, Amélia Friche<sup>2,3</sup>

<sup>1</sup>Pontifical Catholic University of Minas Gerais, Brazil. <sup>2</sup>Federal University of Minas Gerais, Brazil. <sup>3</sup>Belo Horizonte Urban Health Observatory, Brazil. <sup>4</sup>Faculty of Health and Human Ecology, Brazil. <sup>5</sup>Oswaldo Cruz Foundation, Brazil

13:00-13:15 EDT [O31.5]

#### Noise annoyance, sociodemographic and health patterns in a Brazilian metropolis: The BH Health Study

Fernanda Abalen Dias<sup>1,2,3</sup>, Waleska Caiaffa<sup>2,3</sup>, Dário Costa<sup>3</sup>, César Xavier<sup>4,3</sup>, Fernando Proietti<sup>5,3</sup>, Amélia Friche<sup>2,3</sup>

<sup>1</sup>Pontifical Catholic University of Minas Gerais, Brazil. <sup>2</sup>Federal University of Minas Gerais, Brazil. <sup>3</sup>Belo Horizonte Urban Health Observatory, Brazil. <sup>4</sup>Faculty of Health and Human Ecology, Brazil. <sup>5</sup>René 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 Trotta<sup>1</sup>, Usama Bilal<sup>2</sup>, Binod Acharya<sup>2</sup>, Harrison Quick<sup>2</sup>, Kari Moore<sup>2</sup>, Serena Perner<sup>1</sup>, Marcio Alazraqui<sup>1</sup>, Ana Diez Roux<sup>2</sup>

<sup>1</sup>Institute of Collective Health, Argentina. <sup>2</sup>Drexel, USA

### 12:15-12:30 EDT [O32.2]

#### **A spatiotemporal analysis of inequalities in life expectancy and 20 causes of mortality in sub-neighbourhoods of Metro Vancouver, Canada, 1990-2016**

Jessica Yu<sup>1</sup>, Laura Dwyer Lindgren<sup>2</sup>, James Bennett<sup>3</sup>, Majid Ezzati<sup>3</sup>, Paul Gustafson<sup>1</sup>, Martino Tran<sup>1</sup>, Michael Brauer<sup>1</sup>

<sup>1</sup>University of British Columbia, Canada. <sup>2</sup>University of Washington, USA. <sup>3</sup>Imperial College London, UK

### 12:30-12:45 EDT [O32.3]

#### **Urban scaling of mortality in 742 metropolitan areas of the Americas**

Usama Bilal<sup>1</sup>, Caio de Castro<sup>2</sup>, Tania Alfaró<sup>3</sup>, Tonatiuh Barrientos-Gutierrez<sup>4</sup>, Mauricio Barreto<sup>2</sup>, Carlos Leveau<sup>5</sup>, Kevin Martinez-Folgar<sup>1</sup>, Jaime Miranda<sup>6</sup>, Roberto Andrade<sup>2</sup>, Ana Diez Roux<sup>1</sup>

<sup>1</sup>Drexel University, USA. <sup>2</sup>CIDACS, Brazil. <sup>3</sup>Universidad de Chile, Chile. <sup>4</sup>INSP, Mexico. <sup>5</sup>Universidad Nacional de Lanus, Argentina. <sup>6</sup>UPCH, Peru

### 12:45-13:00 EDT [O32.4]

#### **Spatial heterogeneity in excess mortality during the COVID-19 pandemic in Guatemala**

Kevin Martinez-Folgar<sup>1</sup>, Manuel Ramirez-Zea<sup>2</sup>, Usama Bilal<sup>1</sup>

<sup>1</sup>Drexel University, USA. <sup>2</sup>INCAP 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.**

Honor Bixby<sup>1</sup>, James Bennett<sup>2</sup>, Ayaga Bawah<sup>3</sup>, Raphael Arku<sup>4</sup>, Samuel Annim<sup>5,6</sup>, Jacqueline Anum<sup>5</sup>, Samilia Mintah<sup>5</sup>, Alexandra Schmidt<sup>1</sup>, Jill Baumgartner<sup>1</sup>, Pathways to Equitable Healthy Cities consortium members<sup>1,2,3</sup>

<sup>1</sup>McGill University, Canada. <sup>2</sup>Imperial College London, UK. <sup>3</sup>University of Ghana, Ghana. <sup>4</sup>University of Massachusetts Amherst, USA. <sup>5</sup>Ghana Statistical Service, Ghana. <sup>6</sup>University 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 PM<sub>2.5</sub> exposure and estimated premature mortality to 2100 under different climate change scenarios**

Wanying CHEN<sup>1,2</sup>, Xingcheng LU<sup>1,2</sup>, Jimmy C.H. FUNG<sup>1,2</sup>

<sup>1</sup>HKUST Fok Ying Tung Research Institute, China. <sup>2</sup>Hong 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 Khomenko<sup>1</sup>, Marta Cirach<sup>1</sup>, Evelise Pereira-Barboza<sup>1</sup>, Natalie Mueller<sup>1</sup>, Jose Barrera-Gómez<sup>1</sup>, David Rojas-Rueda<sup>2</sup>, Kees de Hoogh<sup>3</sup>, Gerard Hoek<sup>4</sup>, Mark Nieuwenhuijsen<sup>1</sup>

<sup>1</sup>Barcelona Institute for Global Health (ISGlobal), Spain. <sup>2</sup>Colorado State University, USA. <sup>3</sup>Swiss Tropical and Public Health Institute, Switzerland. <sup>4</sup>Utrecht 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 Clougherty<sup>1,2</sup>, Jamie Humphrey<sup>3</sup>, Ellen Kinnee<sup>4</sup>

<sup>1</sup>Drexel University Dornsife School of Public Health, USA. <sup>2</sup>Drexel University Urban Health Collaborative, USA. <sup>3</sup>RTI International, USA. <sup>4</sup>University 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 Rasheed](#)<sup>1</sup>, A M Rumayan Hasan<sup>1</sup>, George Smith<sup>2</sup>, Daniel D Reidpath<sup>1</sup>, Shehrin Shaila Mahmood<sup>1</sup>, Dr Fatema Khatun<sup>1</sup>

<sup>1</sup>*icddr, Bangladesh.* <sup>2</sup>*Fragments 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 Toscano](#)<sup>1</sup>, Carolina Pérez Ferrer<sup>1</sup>, Usama Bilal<sup>2</sup>, Amy Auchincloss<sup>2</sup>, Tonatiuh Barrientos Gutiérrez<sup>1</sup>

<sup>1</sup>*National Institute of Public Health, Mexico.* <sup>2</sup>*Drexel University, USA*

### 12:30-12:45 EDT [O34.3]

#### Travel time and dietary intake in Latin American cities. A multilevel analysis.

Joanna Guimamaraes<sup>1</sup>, Nancy López Olmedo<sup>2</sup>, Kari Moore<sup>3</sup>, Dalia Stern<sup>2</sup>, Amelia Augusta Friche<sup>4</sup>, Xize Wang<sup>5</sup>, Xavier Delclòs-Alió<sup>6</sup>, Daniel Rodriguez<sup>7</sup>, Olga Lucia Sarmiento<sup>8</sup>, [Leticia Cardoso](#)<sup>9</sup>

<sup>1</sup>*Fiocruz - Rio de Janeiro, Brazil.* <sup>2</sup>*INSP, Mexico.* <sup>3</sup>*Drexel University, USA.* <sup>4</sup>*UFMG, Brazil.* <sup>5</sup>*National University of Singapore, Singapore.* <sup>6</sup>*Universitat Rovira i Virgili, Spain.* <sup>7</sup>*University of California, Berkeley, USA.* <sup>8</sup>*Universidad de Los Andes, Colombia.* <sup>9</sup>*Fiocruz 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-Turrero](#)<sup>1</sup>, Roberto Valiente<sup>1</sup>, Irene Molina-de la Fuente<sup>1</sup>, Usama Bilal<sup>2</sup>, Mariana Lazo<sup>2</sup>, Xisca Sureda<sup>1</sup>

<sup>1</sup>*University of Alcalá, Spain.* <sup>2</sup>*Drexel 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

## POSTER SESSION 1

DAY 1: TUESDAY 6 JULY 2021

### 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 Lungman](#)<sup>1</sup>, Sasha Khomenko<sup>1,2,3</sup>, Mark Nieuwenhuijsen<sup>1,2,3</sup>, Evelise Pereira Barboza<sup>1,2,3</sup>, Albert Ambrós<sup>1,2,4</sup>, Cindy Padilla<sup>5</sup>, Natalie Mueller<sup>1,2,3</sup>  
<sup>1</sup>Institute for Global Health (ISGlobal), Spain. <sup>2</sup>Universitat Pompeu Fabra (UPF), Spain. <sup>3</sup>CIBER Epidemiología y Salud Pública (CIBERESP), Spain. <sup>4</sup>CIBER Epidemiología y Salud Pública (ISGlobal), Spain. <sup>5</sup>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 Morais](#)<sup>1</sup>, Vanessa Di Cecco<sup>2</sup>, Katherine Indvik<sup>3</sup>, Solimar Carnavalli Rocha<sup>1</sup>, Mika Moran<sup>4</sup>, Ana Ortigoza<sup>3</sup>, Amelia Augusta de Lima Friche<sup>1</sup>  
<sup>1</sup>Federal University of Minas Gerais, Brazil. <sup>2</sup>Universidad Nacional de Lanús, Argentina. <sup>3</sup>Drexel University, USA. <sup>4</sup>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 Cereijo](#)<sup>1,2</sup>, Pedro Gullón<sup>1</sup>, Isabel del Cura<sup>3,4</sup>, Usama Bilal<sup>5</sup>, David Valadés<sup>1</sup>, Hannah Badland<sup>2</sup>, Manuel Franco<sup>1,6</sup>  
<sup>1</sup>University of Alcalá, Spain. <sup>2</sup>RMIT University, Australia. <sup>3</sup>Primary Care Research Unit of Madrid, Spain. <sup>4</sup>University Rey Juan Carlos, Spain. <sup>5</sup>Drexel Dornsife School of Public Health, USA. <sup>6</sup>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 Cárdenas](#)<sup>1</sup>, Tonatiuh Barrientos-Gutiérrez<sup>2</sup>, D. Alex Quistberg<sup>2</sup>, Luis Chias-Becerril<sup>3</sup>, Armando Martínez<sup>3</sup>, Héctor Daniel Reséndiz-López<sup>3</sup>, Carolina Pérez-Ferrer<sup>4</sup>  
<sup>1</sup>National Institute of Public Health (INSP), Mexico. <sup>2</sup>Drexel University, USA. <sup>3</sup>National Autonomous University of Mexico (UNAM), Mexico. <sup>4</sup>CONACYT- National Institute of Public Health (INSP), Mexico

#### [P1.06]

##### **Superblocks and health in Horta neighbourhood, Barcelona: One intervention but two effects (Salut Als Carrers)**

[Laia Palència](#)<sup>1,2,3</sup>, Brenda Biaani León-Gómez<sup>1,2,3</sup>, [Katherine Pérez](#)<sup>1,2,3</sup>, Team of Salut Als Carrers<sup>1</sup>  
<sup>1</sup>Agència de Salut Pública de Barcelona, Spain. <sup>2</sup>CIBER Epidemiología y Salud Pública (CIBERESP), Spain. <sup>3</sup>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 Chang](#)<sup>1</sup>, Qiuju Deng<sup>2</sup>, Moning Guo<sup>3</sup>, Majid Ezzati<sup>4</sup>, Jill Baumgartner<sup>5</sup>, Honor Bixby<sup>5</sup>, Queenie Chan<sup>4</sup>, Dong Zhao<sup>2</sup>, Ying Long<sup>6</sup>, Jing Liu<sup>2</sup>  
<sup>1</sup>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. <sup>2</sup>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. <sup>3</sup>Beijing Municipal Health Commission Information Center; Beijing Municipal Health Commission Policy Research Center., China. <sup>4</sup>Imperial College London, UK. <sup>5</sup>McGill University, Canada. <sup>6</sup>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

[P1.09]

**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<sup>1</sup>, Débora Moraes Coelho<sup>1</sup>, Amanda Cristina de Souza Andrade<sup>2</sup>, Amélia Augusta de Lima Friche<sup>1</sup>, Elaine Leandro Machado<sup>3</sup>, Fernando Márcio Freire<sup>4</sup>, Guilherme Aparecido Santos Aguilar<sup>1</sup>, Maria Angélica de Salles Dias<sup>1</sup>, Waleska Teixeira Caiaffa<sup>5</sup>, OSUBH InfoCOVID<sup>1</sup>

<sup>1</sup>Federal University of Minas Gerais, Brazil. <sup>2</sup>Federal University of Mato Grosso, Brazil. <sup>3</sup>Federal University of Juiz de Fora, Brazil. <sup>4</sup>Computer and Information Company in the City of Belo Horizonte –Prodabel, Brazil. <sup>5</sup>Federal University of Minas Gerais, Brazil in the City of Belo Horizonte –Prodabel, Brazil

[P1.10]

**Inequality and Income Segregation in Brazil: Insights from the SALURBAL Project**

José Firmino Sousa Filho<sup>1</sup>, Gervásio Santos<sup>2</sup>, Roberto Andrade<sup>1</sup>, Aureliano Paiva<sup>3</sup>, Anderson Freitas<sup>1</sup>, Caio Castro<sup>2</sup>, Amélia Friche<sup>4</sup>, Sharrelle Barber<sup>5</sup>, Waleska Caiaffa<sup>4</sup>, Maurício Barreto<sup>3</sup>

<sup>1</sup>UFBA/CIDACS, Brazil. <sup>2</sup>UFBA, Brazil. <sup>3</sup>CIDACS, Brazil. <sup>4</sup>UFMG, Brazil. <sup>5</sup>Drexel University, USA

[P1.11]

**Empowering women in leadership: A transformational approach to addressing human trafficking in African context**

Kutisha Ebron, Anthony C. Andenoro

St. Thomas University, USA

[P1.12]

**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

[P1.13]

**Differential access to entitlements and social benefits among urban migrants: evidence from Indore, India**

Siddharth Agarwal, Shabnam Verma, Neeraj Verma, Kanupriya Kothiwala

Urban Health Resource Centre, India

[P1.14]

**High resolution analysis reveals widening 30-year life expectancy gap within London**

Theo Rashid<sup>1</sup>, James Bennett<sup>1</sup>, Christopher Paciorek<sup>2</sup>, Yvonne Doyle<sup>3</sup>, Seth Flaxman<sup>1</sup>, Daniela Fecht<sup>1</sup>, Mireille Toledano<sup>1</sup>, Hima Daby<sup>1</sup>, Bethan Davies<sup>1</sup>, Majid Ezzati<sup>1</sup>

<sup>1</sup>Imperial College London, UK. <sup>2</sup>University of California, Berkeley, USA. <sup>3</sup>Public Health England, UK

[P1.15]

**Gender disparity and association between socioeconomic status, mental health and need for long-term services and supports among the Korean elderly**

Bo Zhao<sup>1</sup>, Dong Eun Shin<sup>2</sup>, Min Ah Chung<sup>1</sup>, Fanlei Kong<sup>3</sup>, Eun Woo Nam<sup>1,2</sup>

<sup>1</sup>Department of Health Administration, Yonsei University, Republic of Korea. <sup>2</sup>Yonsei Global Health Center, Republic of Korea. <sup>3</sup>School of Public Health, Shandong University, China

[P1.16]

**Built Injustice: How physical attributes of informal urban settlements may exacerbate non-communicable disease risk in Indore, India**

Amina Goheer<sup>1</sup>, Damodar Bachani<sup>2</sup>, Anand Krishnan<sup>3</sup>, Ritvik Amarchand<sup>3</sup>, Neeraj Mishra<sup>2</sup>, Amanda Pomeroy-Stevens<sup>1</sup>

<sup>1</sup>JSI Research & Training Institute, Inc, USA. <sup>2</sup>John Snow India, India. <sup>3</sup>All India Institute for Medical Science, India

[P1.17]

**Spatial Non-stationarity relationships between COVID-19 and Risk Factors in Nigeria. A Geographically Weighted Regression Analysis**

Taye Bayode<sup>1</sup>, Olumuyiwa Bayo Akinbamijo<sup>2</sup>, Alexander Siegmund<sup>1</sup>

<sup>1</sup>Heidelberg University, Germany. <sup>2</sup>Federal University of Technology, Akure, Nigeria

[P1.18]

**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



[P1.19]

**Where do women seek care for maternal and child health services in informal settlement of Nairobi, Kenya? Findings from a cross-sectional survey**

Timothy Abuya<sup>1</sup>, Charity Ndwiga<sup>1</sup>, Chantalle Okondo<sup>1</sup>, George Odwe<sup>1</sup>, Daniel Mwangi<sup>1</sup>, Rachel Jones<sup>2</sup>, Sathy Rajeskharan<sup>2</sup>, Deborah Sambu<sup>2</sup>, Charlotte Warren<sup>3</sup>

<sup>1</sup>Population Council, Kenya. <sup>2</sup>Jacaranda Health, Kenya. <sup>3</sup>Population Council, USA

[P1.20]

**Understanding urban inequalities in children's linear growth outcome in Bangladesh**

Hayman Win<sup>1,2</sup>, Jordyn Wallenborn<sup>1,2</sup>, Nicole Probst-Hensch<sup>1,2</sup>, Günther Fink<sup>1,2</sup>

<sup>1</sup>Swiss Tropical and Public Health Institute, Switzerland. <sup>2</sup>University 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 Masood<sup>1</sup>, Iqbal Hossain<sup>2</sup>

<sup>1</sup>JSI, Pakistan. <sup>2</sup>JSI, USA

[P1.24]

**Vegetation distribution equity in urban environments: The Predimed-Plus studycases**

Maurici Ruiz-Pérez<sup>1,2</sup>, Alexandre Moragues-Pascual<sup>2</sup>, Dora Romaguera<sup>1,3</sup>, Julia Warnberg<sup>4,5</sup>, Josep Vidal Cortada<sup>6,7</sup>, Vicente Martín Sánchez<sup>8,9</sup>, Miguel A. Martínez<sup>10,11,5</sup>, Alfredo Martínez Hernández<sup>12,8,5</sup>, Jordi Salas Salvadó<sup>13,14,3</sup>, Antoni Colom<sup>15,5</sup>

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[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 Bompongo<sup>1</sup>, Dr. Andre Tonda<sup>1</sup>, Dr. Michel Othepa<sup>2</sup>, Brian Castro<sup>2</sup>, Katharine Bagshaw<sup>2</sup>

<sup>1</sup>John Snow, Inc., Democratic Republic of Congo. <sup>2</sup>John 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 Su<sup>1,2</sup>, Zhengying Liu<sup>1</sup>, Jie Chang<sup>3</sup>, Qiuju Deng<sup>3</sup>, Yuyang Zhang<sup>1</sup>, Jing Liu<sup>3</sup>, Ying long<sup>1</sup>

<sup>1</sup>Tsinghua University, China. <sup>2</sup>Wuhan University, China. <sup>3</sup>Capital 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 Onwujekwe<sup>1</sup>, [Chinyere Mbachu](#)<sup>1</sup>, Tolib Mirzoev<sup>2</sup>

<sup>1</sup>University of Nigeria, Nigeria. <sup>2</sup>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 Oliveira<sup>1</sup>, Risia Cristina Egito de Menezes<sup>2</sup>, [Nathalia Barbosa de Aquino](#)<sup>3</sup>, Ricardo Almendra<sup>4</sup>, Pedro Israel Cabral de Lira<sup>5</sup>, Vanessa Sá Leal<sup>1</sup>, Nathália Paula de Souza<sup>1</sup>, Emilia Chagas Costa<sup>1</sup>, Fernanda Cristina Lima Pinto Tavares<sup>5</sup>, Paula Santana<sup>4</sup>

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[P1.32]

**The experience of walking in Seoul among Korean older adults : A qualitative synthesis**

[Dong Ha Kim](#), Seunghyun Yoo

Seoul National University, Republic of Korea

[P1.33]

**Pandemic and the city**

[Shreelata Rao Seshadri](#)<sup>1</sup>, Benson Issac<sup>2</sup>, Nithya Dorairaj<sup>1</sup>

<sup>1</sup>Azim Premji University, India. <sup>2</sup>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 Zhang<sup>1</sup>, Meng Zhang<sup>2</sup>, Xiaoyang Liu<sup>3</sup>, [Sen Zhang](#)<sup>1</sup>

<sup>1</sup>Tianjin University, China. <sup>2</sup>Hebei Agricultural University, China. <sup>3</sup>Wuhan University, China

[P1.35]

**Vernacular architecture and spatial typology: Their share in urban health**

[Akuto Akpedze Konou](#), Vitor Pessoa Colombo, Jérôme Chenal

Ecole 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 Ssemugabo](#)<sup>1</sup>, Lawrence Okoth<sup>2</sup>, Sheila Niyonsaba<sup>2</sup>, Abigail Turinayo<sup>2</sup>, Prasanthi Puvanachandra<sup>3</sup>, Olive Kobusingye<sup>1</sup>, Margaret Peden<sup>3</sup>

<sup>1</sup>Makerere University School of Public Health, Uganda. <sup>2</sup>Design without Borders Africa, Uganda. <sup>3</sup>Imperial College London, UK, UK

[P1.39]

**Heterogeneity in the urban scaling of premature mortality by city definition in the United States**

[Edwin McCulley](#)<sup>1</sup>, Pricila Mullachery<sup>1</sup>, Daniel Rodríguez<sup>2</sup>, Ana Diez-Roux<sup>1</sup>, Usama Bilal<sup>1</sup>

<sup>1</sup>Drexel University Dornsife School of Public Health, USA. <sup>2</sup>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 Hoffen](#)<sup>1</sup>, F.J. van Lenthe<sup>1,2</sup>, F. Borlée<sup>3</sup>, M. Droomers<sup>3</sup>, M.P. Poelman<sup>4</sup>, C.B.M. Kamphuis<sup>1</sup>

<sup>1</sup>Utrecht University, The Netherlands. <sup>2</sup>Erasmus MC Rotterdam, The Netherlands. <sup>3</sup>Municipality of Utrecht, The Netherlands. <sup>4</sup>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 Nita<sup>1</sup>, Larissa Nicoleta Stoia<sup>1</sup>, Diana Andreea Onose<sup>1</sup>, Athanasios Alexandru Gavriliadis<sup>1</sup>, Ana Maria Popa<sup>2</sup>  
<sup>1</sup>University of Bucharest, Romania. <sup>2</sup>Centre 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 Ekhaese<sup>1</sup>, Waqar Hussain<sup>2</sup>, Kafiyat Hussain<sup>2</sup>  
<sup>1</sup>Covenant University, Nigeria. <sup>2</sup>COMSATS 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 Paiva<sup>1</sup>, Roberto Andrade<sup>1,2</sup>, Gervásio Santos<sup>2,1</sup>, Caio Castro<sup>2</sup>, Daniel Rodriguez<sup>3</sup>, Usama Bilal<sup>4,5</sup>, Firmino Filho<sup>2,1</sup>, Anderson Freitas<sup>1</sup>, Felipe Jimenez<sup>6</sup>, Iryna Dronova<sup>5</sup>  
<sup>1</sup>Center of Data and Knowledge Integration for Health (CIDACS), Brazil. <sup>2</sup>Federal University of Bahia, Brazil. <sup>3</sup>University of California Berkeley, USA. <sup>4</sup>Urban Health Collaborative, Drexel Dornsife School of Public Health, USA. <sup>5</sup>Drexel University, USA. <sup>6</sup>University 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 Muzenda<sup>1</sup>, Philip Dambisya<sup>1</sup>, Monika Kamkuemah<sup>1</sup>, Blessings Gausi<sup>1</sup>, Jane Battersby<sup>1</sup>, Tolu Oni<sup>1,2</sup>  
<sup>1</sup>University of Cape Town, South Africa. <sup>2</sup>University of Cambridge, UK

[P1.50]

**Development of evidence-based guidelines for designing green opens spaces to promote urban health through physical activity: Experience from Slovenia**

Ina Šuklje Erjavec, Vita Žlender, Jana Kozamernik  
*Urban Planning Institute of the Republic of Slovenia, Slovenia*

[P1.51]

**Impact of COVID-19 on weekday walking for transportation and its built environment correlates: Evidence from a medium-sized Mediterranean metropolitan area**

Xavier Delclòs-Alió<sup>1</sup>, Guillem Vich<sup>2,1</sup>, Daniel Miravet<sup>1,3</sup>, Aaron Gutiérrez<sup>1</sup>  
<sup>1</sup>Universitat Rovira i Virgili, Spain. <sup>2</sup>ISGlobal, Spain. <sup>3</sup>Public 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 Agrawal<sup>1</sup>, Belinda O'Hagan<sup>2</sup>, Pooja Sonikar<sup>2</sup>, River Grace<sup>1</sup>, Emily Chen<sup>1</sup>, Simone Dufresne<sup>2</sup>, Zachary Rossetti<sup>2</sup>, Lauren Bartolotti<sup>2</sup>, Shari King<sup>2</sup>

<sup>1</sup>Massachusetts Institute of Technology, USA. <sup>2</sup>Boston Medical Center, USA

[P2.02]

### Exploring adaptation to temperature over 20-years in São Paulo, Brazil

Aina Roca-Barcelo<sup>1</sup>, Daniela Fecht<sup>1</sup>, Monica Pirani<sup>1</sup>, Frédéric B. Piel<sup>1,2</sup>, Adelaide C. Nardocci<sup>3</sup>, Paolo Vineis<sup>1</sup>

<sup>1</sup>Imperial College London, UK. <sup>2</sup>National Institute for Health Research Health Protection Research Unit (NIHR HPRU) in Environmental Exposures and Health, UK. <sup>3</sup>University 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 Cunha<sup>1</sup>, Maria Helena Franco Morais<sup>2</sup>, Larissa Lopes Lima<sup>3</sup>, Waleska Teixeira Caiiffa<sup>1</sup>

<sup>1</sup>Federal University of Minas Gerais, Brazil. <sup>2</sup>Municipal Health Department, Belo Horizonte, Brazil. <sup>3</sup>Federal Center for Technological Education of Minas Gerais, Brazil

[P2.04]

### Pilot roll-out of WHO ANC App in Guarujá, Brazil

Guilherme Cecatti<sup>1</sup>, Samira Haddad<sup>1</sup>, Renato Souza<sup>1</sup>, France Donnay<sup>2</sup>, Diana Perez Buck<sup>2</sup>

<sup>1</sup>University of Campinas, Brazil. <sup>2</sup>Mothers 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-Mendieta<sup>1</sup>, Felipe Montes<sup>1</sup>, Jose D Meisel<sup>2</sup>, Juliana Quintero<sup>3</sup>, Andres F Useche<sup>1</sup>, Sofia Baquero<sup>1</sup>, Pablo Lemoine<sup>4</sup>, Laura Idrobo<sup>1</sup>, Ana M Jaramillo<sup>1</sup>, Olga L Sarmiento<sup>1</sup>

<sup>1</sup>Universidad de los Andes, Colombia. <sup>2</sup>Universidad de Ibagué, Colombia. <sup>3</sup>Eje de Salud Pública, Fundación Santa Fe de Bogotá, Colombia. <sup>4</sup>Centro Nacional de Consultoría, Colombia

[P2.06]

### COVID19 in vulnerable populations: Reported incidence in a social housing villa in Santiago de Chile

Ignacio Díaz<sup>1</sup>, Alejandra Vives<sup>2</sup>

<sup>1</sup>Pontificia Universidad Católica de Chile, Chile. <sup>2</sup>Departamento 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-Folgar<sup>1</sup>, Usama Bilal<sup>1</sup>, Harrison Quick<sup>1</sup>, Tania Alfaro<sup>2</sup>, Dalia Stern<sup>3</sup>, Tonatiuh Barrientos<sup>3</sup>, J Jaime Miranda<sup>4</sup>, Manuel Ramirez-Zea<sup>5</sup>, Ana Diez-Roux<sup>1</sup>, Mariana Lazo<sup>1</sup>

<sup>1</sup>Drexel University, USA. <sup>2</sup>Universidad de Chile, Chile. <sup>3</sup>Instituto Nacional de Salud Publica, Mexico. <sup>4</sup>Universidad Peruana Cayetano Heredia, Peru. <sup>5</sup>Instituto de Nutrición de Centro America y Panama, Guatemala

[P2.08]

### Spatial distribution of PM10, PM2.5 and NO2 concentrations in the Sunday Ciclovía recreativa of Bogotá

Jairo andres Villalba 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

María Alejandra Rubio<sup>1</sup>, Daniela Mosquera<sup>1</sup>, Martha Blanco<sup>1</sup>, Paula Guevara<sup>1</sup>, Felipe Montes<sup>1</sup>, Carolyn Finck<sup>1</sup>, Ana Maria Jaramillo<sup>1</sup>, Lisa G. Rosas<sup>2</sup>, Abby C. King<sup>2</sup>, Olga L. Sarmiento<sup>1</sup>

<sup>1</sup>Universidad de los Andes, Colombia. <sup>2</sup>Stanford 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 Kothiwala, 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*

[P2.14]

**Community and social cohesion: proposing a measurement index for interactive spatial arrangements in emergency health care Covid-19.**

Gian Piero Turchi<sup>1</sup>, Marco Locatelli<sup>2</sup>, Vanessa Maria Angius<sup>1</sup>, Michela Scaccia<sup>1</sup>  
<sup>1</sup> *Università di Padova, Italy.* <sup>2</sup> *Università di Padova, Centro CISR, Italy*

[P2.15]

**Portuguese local governments' use of social media during the COVID-19 pandemic**

Miguel Padeiro<sup>1</sup>, Beatriz Bueno-Larraz<sup>2</sup>, Ângela Freitas<sup>1</sup>  
<sup>1</sup> *CEGOT - University of Coimbra, Portugal.* <sup>2</sup> *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 GALL<sup>1,2</sup>, Clément DELOLY<sup>1</sup>, Lucy BRETTELLE<sup>3</sup>, Gemma MOORE<sup>4</sup>, James MILNER<sup>5</sup>, Nahid MOHAJERI<sup>4</sup>, Phil SYMONDS<sup>4</sup>, Ioanna TSOULOU<sup>4</sup>, Nici ZIMMERMANN & Mike DAVIES<sup>4</sup>, Paul WILKINSON<sup>5</sup>  
<sup>1</sup> *EHESP, French School of Public Health, France.* <sup>2</sup> *Arènes UMR CNRS 6051, Université Rennes 1, France.* <sup>3</sup> *Buro Happold, Strategic Planning, UK.* <sup>4</sup> *UCL, University College London, UK.* <sup>5</sup> *LSHTM, London School of Hygiene and Tropical Medicine, UK*

[P2.17]

**Governance and environmental outcomes: Evidence from three environmental issues in India**

Pradeep Guin<sup>1</sup>, Rajeshwari Balasubramanian<sup>2</sup>, Bhavayta Mahajan<sup>1</sup>  
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**A smartphone app-based framework for pandemics: Optimising the urban healthcare infrastructure**

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**HIV and intimate partner violence among sexual minority men over a ten-year period: Findings from the multicenter AIDS cohort study**

Isabella Gomes<sup>1</sup>, Mark Brennan-Ing<sup>2</sup>, Andre Brown<sup>3</sup>, James Egan<sup>3</sup>, Pamina Gorbach<sup>4</sup>, Steven Meanley<sup>5</sup>, Frank Palella<sup>6</sup>, Michael Plankey<sup>7</sup>, Mackey Friedman<sup>3</sup>, Sabina Haberlen<sup>1</sup>  
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**Human health and well-being in urban areas in the age of prevention: Urban green areas as nature-based solutions**

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**Health problems of young adults in housing poverty in Seoul, South Korea, and the COVID-19 pandemic**

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**Urban tree diversity as mitigation strategy against urbanization effect on citizens well-being**

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**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, António Lopes

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**A tale of two cities: The environmental context in adolescence smoking prevention programs in Bogotá and Northern Ireland**

Sharon Sanchez-Franco<sup>1</sup>, Shannon Montgomery<sup>2</sup>, Erika Torres<sup>1</sup>, Ana Ramirez<sup>1</sup>, Angela Lopez<sup>1</sup>, Jennifer M. Murray<sup>3</sup>, Ruth F. Hunter<sup>3</sup>, Frank Kee<sup>4</sup>, Olga L. Sarmiento<sup>1</sup>

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**Community interventions on gender-based violence: improving urban women's health across the life course**

Unnati Machchhar<sup>1</sup>, Shilpa Adalakar<sup>1</sup>, Nayreen Daruwalla<sup>1</sup>, David Osrin<sup>2</sup>

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**A study of factors influencing PM2.5 diffusion on urban roads based on ENVI-met**

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**The main and added effect of heat wave on daily mortality in 33 Chinese cities**

Yanlin Niu<sup>1,2,3</sup>, Jun Yang<sup>4</sup>, Tao Xue<sup>5</sup>, Qiyong Liu<sup>1</sup>

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**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

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**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

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**Estimation on the number of heat stroke by geographical condition and resident's age category in Japan**

Guo Minna, Kitazume Keiichi

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**Transit-oriented urban development for improving the human health and reducing the environmental load**

Shinji Yamamura<sup>1</sup>, Lidia VITANOVA<sup>1</sup>, Van Quang DOAN<sup>2</sup>

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**Neighborhood socioeconomic environment relates to higher odds of hypertension in adults in eight Latin American countries from the SALURBAL study: A multilevel analysis**

Débora Moraes Coelho<sup>1</sup>, Amanda Cristina de Souza Andrade<sup>2</sup>, Ana Victoria Diez-Roux<sup>3</sup>, Alex Quistberg<sup>4</sup>, Amélia Augusta de Lima Friche<sup>1</sup>, Waleska Teixeira Caiaffa<sup>1</sup>

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**COVID-19 infodemic in Brazil: fake news as a key element to increase mobility during the pandemic**

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**Assessing issues of spatial accessibility in healthcare of multi-island micro states**

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**Association between perceived neighbourhood features and falls in older Brazilians: A multilevel analysis**

Bruno de Souza Moreira<sup>1</sup>, Amanda Cristina de Souza Andrade<sup>2</sup>, César Coelho Xavier<sup>3</sup>, Fernando Augusto Proietti<sup>4</sup>, Luciana de Souza Braga<sup>1</sup>, Amélia Augusta de Lima Friche<sup>1</sup>, Waleska Teixeira Caiaffa<sup>1</sup>

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**Improving urban immunization services in Cité Soleil, Haiti to address the zero-dose children and dropout rates through a human-centered approach**

Dr. Pierre Fontaine<sup>1</sup>, Brian Castro<sup>2</sup>, Dr. Michel Othepa<sup>2</sup>, Enrique Paz<sup>2</sup>, Dr. Folake Olayinka<sup>2</sup>, Dr. Paule-Andrée Byron<sup>3</sup>, Lora Shimp<sup>2</sup>

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**Cesarean section and social inequalities in urban agglomerations in Latin America**

Serena Perner<sup>1</sup>, Ana Ortigoza<sup>2</sup>, Andrés Trotta<sup>1</sup>, Marcio Alazraqui<sup>1</sup>, Goro Yamada<sup>2</sup>, Patricia Rosemberg<sup>1</sup>, Amélia Augusta Friche<sup>3</sup>, Ariela Braverman<sup>2</sup>, Ana Diez Roux<sup>2</sup>

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**Housing renovation and satisfaction with the dwelling: Intermediate results of the evaluation of a social housing regeneration program in Viña del Mar, Chile**

Francisca González<sup>1</sup>, Alejandra Vives<sup>1</sup>, Brisa Sánchez<sup>2</sup>, Roxana Valdebenito<sup>1</sup>, Fernando Baeza<sup>1</sup>

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**Methodology to spacially model the risk of respiratory diseases associated with socio-environmental components of Coyhaique city**

Ana Karina Maldonado Alcaíno<sup>1</sup>, Dante Cáceres Lillo<sup>1</sup>, Felipe Medina Marín<sup>1</sup>, Mailiú Díaz Peña<sup>1</sup>, Marco Acuña Briones<sup>2</sup>, Jeanette Matus Geeregat<sup>3</sup>

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**Urban parks in 27 Brazilian capitals: Exploring spatial data and validation methods**

Denise Marques Sales<sup>1</sup>, Anne Dorothée Slovic<sup>2</sup>, Claudio Kanai<sup>2</sup>, Anderson Freitas<sup>3</sup>, Guilherme Aguilar<sup>1</sup>, Solimar Carnavalli Rocha<sup>1</sup>, Mika Moran<sup>4</sup>, Lucas Martins<sup>2</sup>, Nelson Gouveia<sup>2</sup>, Waleska Caiaffa<sup>1</sup>

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**Thermal discomfort and sleep quality and duration during and after a heatwave: A longitudinal study in healthy Chilean volunteers**

Macarena Valdés<sup>1,2</sup>, Jean Claude Pihan<sup>1</sup>, María Pía Muñoz<sup>1</sup>

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**HumanCity: Citizen initiatives in the transition towards healthy, sustainable and inclusive cities**

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