

Programme

Monday, September 25 | At-A-Glance

09:30-	Pre-conference workshop 1
12:30	Healthy-Polis: Harnessing Opportunities for Improving Urban Health and Wellbeing through Environmental Sustainability
14:00-	Pre-conference workshop 2
18:30	Shaping Policies To Promote Urban Health Equity: A Socio-Technical Approach. Evidence From The Euro-Healthy Case Studies
14:00-	Pre-conference workshop 3
18:00	Human Population Patterns in Sub-Saharan African Cities: Data and Tools for Urban Health Assessments

LOCATION: University of Coimbra
Colégio de Jesus

MONDAY

MON

25/09

09:00 - 12:30

PRE-CONFERENCE

WORKSHOP

**PCW
1**

HEALTHY-POLIS: HARNESSING OPPORTUNITIES FOR IMPROVING URBAN HEALTH AND WELLBEING THROUGH ENVIRONMENTAL SUSTAINABILITY

This Workshop has the following objects: i) to identify and discuss innovation and standardisation of epidemiological, exposure and health impact assessment methods based on big data analyses, smart sensors, citizen science, integrated modelling, and system based participatory approaches; ii) to provide a forum for international, multi-disciplinary research collaboration on urban environmental health, health equity and sustainability, leading to one or more multi-centre funding applications; iii) to evaluate and promote environmental interventions, focusing on urban life-course approaches in response to environmental change, bridging the gap between research and practice; iv) promote integration of public health research and practice into urban research and data collection agendas, to address UN Sustainable Development Goal 11: Make cities inclusive, safe, resilient and sustainable.

These objectives address ISUH goals and ICUH themes on health equity and healthy sustainable urbanization.

The following two main themes will be discussed in this workshop:

1. Research & innovation: Explore links and interactions between urban health, ecological public health, climate change, air quality and sustainable development, with specific examples for integrated life-course solutions.
2. Achieving impact: Going beyond established public and policy engagement and dissemination to the more comprehensive exploration of challenges and opportunities with agents from the public and private sectors.

This workshop targets public health practitioners, urban planners and developers, environmental scientists, air quality managers, exposure scientists, epidemiologist, toxicologists, city directors.

ORGANIZERS

Sotiris Vardoulakis, Director of Research, Institute of Occupational Medicine, and Co-Chair of Healthy-Polis International Consortium for Urban Environmental Health & Sustainability

Thomas Krafft, Faculty of Health, Medicine and Life Sciences, School for Public Health and Primary Care, Maastricht University, and Co-Chair of IGU Commission on Health and the Environment

SPEAKERS

Franz Gatzweiler, ICSU Program on Health and Wellbeing; **Alena Bartonova**, Research Director, NILU, UAE; **Lidia Morawska**, Director, International Laboratory for Air Quality and Health, Queensland University of Technology, Australia; **Silvana Di Sabatino**, University of Bologna, Italy; **Clare Heaviside**, Public Health England, UK; **Daniel Black**, db+a, UK

Other Healthy-Polis scientific advisory committee members, particularly those aiming to develop specific collaborative research proposals for funding

MON

25/09

14:00 - 18:30

PRE-CONFERENCE

WORKSHOP

**PCW 2 SHAPING POLICIES TO PROMOTE URBAN HEALTH EQUITY:
A SOCIO-TECHNICAL APPROACH.
EVIDENCE FROM THE EURO-HEALTHY CASE STUDIES**

The main purpose of this workshop is to explore how the framework and methods developed under the EURO-HEALTHY project can effectively assist local policy-makers in the analysis, evaluation and selection of policies aiming to promote health equity in different urban settings. Furthermore, it is expected that the workshop will lead the participants to exchange knowledge on: i) Health equity issues in different cities and the impact of local policies on intra-urban health inequalities; ii) Good practices on urban policies improving population health and decreasing inequalities; iii) *Stakeholder* involvement; iv) Evidence on how greater collaboration among researchers, stakeholders, policy-makers and civil society representatives complements the efforts to integrate research into policies and improve health equity.

The workshop will be structured in two parts. The first part will include a number of presentation sessions regarding the development of the EURO-HEALTHY's case studies of Lisbon and Turin and the methodology implemented to support the evaluation and selection of policies in each city. The second part will be focused on discussing the added-value, the opportunities and challenges of the transferability of the EURO-HEALTHY's framework, tools and approaches to other urban settings and its complementarity with other socio-ecological frameworks.

This workshop will provide a unique platform for policy makers, city councillors, health geographers, urban planners and health scientists to discuss determinants of health equity, public policies, evidence-based policy-making, evaluation methods, *stakeholders* involvement, healthy urban planning.

ORGANIZERS

Paula Santana, University of Coimbra, EURO-HEALTHY Project Leader

Ann Uustalu, European Commission Directorate General for Research & Innovation (DG RTD)

PART 1 – Evaluation of policies in the EURO-HEALTHY case studies of Lisbon and Turin

Chair: **Arlindo Phillippi**, University of São Paulo

Moderator: **Thomas Krafft**, Maastricht University

Speakers: **Paula Santana**, University of Coimbra, EURO-HEALTHY; **Paulo Correia**, University of Lisbon, EURO-HEALTHY; **Angela Freitas**, University of Coimbra, EURO-HEALTHY; **Giuseppe Costa**, Regional Epidemiology Unit of Turin, ASL TO3, EURO-HEALTHY

Panel discussion: **Arpana Verma**, University of Manchester; **Ana Diez Roux**, Drexel University, USA; **Waleska Caiaffa**, Federal University of Minas Gerais School of Medicine, Brasil; **Franz Gatzweiler**, ICSU, Chinese Academy of Sciences; **João Afonso**, City Councillor, Lisbon Municipality

PART 2 – Moving evidence to action: learning lessons and knowledge transfer

Chair: **Ann Uustalu**, European Commission (DG RTD)

Moderator: **Gerard Salem**, University of Paris Ouest

Speakers: **Birgit Boissezon**, Head of Unit of Sustainable Management of Natural Resources in the European Commission (DG RTD); **Matthias Braubach**, Officer, WHO European Centre for Environment and Health; **Jason Corburn**, University of California at Berkeley, USA

Plenary Session: 16:00 - 18:00

MON

25/09

14:00 - 18:30

PRE-CONFERENCE

WORKSHOP

Panel discussion: **Marcus Grant**, Advisor to WHO Healthy Cities Programme, Director of SHINE, Bristol Health Partners, UK; **Mark Rosenberg**, Queen's University, Canada; **Lucas Surel**, Acsantis, Paris

Plenary Session: 16:00 - 18:00

ICUH2017 | Health Equity | Coimbra, Portugal | September, 26-29, 2017
#ICUH2017

MON 25/09 14:00 - 18:00 PRE-CONFERENCE WORKSHOP

PCW 3 HUMAN POPULATION PATTERNS IN SUB-SAHARAN AFRICAN CITIES: DATA AND TOOLS FOR URBAN HEALTH ASSESSMENTS

The population of Africa is predicted to double over the next 40 years, driving exceptionally high urban expansion rates. These expected urban expansion rates will induce major changes in human population distribution, with important consequences on the environment, health and socio-economic development. The MAUPP project (Modelling and forecasting African Urban Population Patterns for vulnerability and health assessments) is a 4-year research project focusing on the development of data and methods for monitoring urban African settings and modelling population distribution. Satellite remote sensing offers an effective solution for mapping settlements, monitoring urbanization at different spatial and temporal scales and predict intra-urban variations in population density.

The quantity and quality of human population datasets available for sub-Saharan African cities remains very poor, and our objective is first to demonstrate the potentialities of newly developed data and methods in the field of urban population mapping and modelling for urban health decision making. Our broader objective is to meet potential users of our datasets in order to better design them to user needs and understand user learning requirements to inform our capacity building activities.

- Brief presentation of the MAUPP project (Catherine Linard)
- Presentation of the available datasets (Michal Shimoni & Eléonore Wolff)
- Best practices for using the datasets and example applications (Jessica Steele & Catherine Linard)
- Discussion with participants on (i) the utility of datasets in their own field of expertise, (ii) data limitations and (iii) specific requirements for urban health applications

ORGANIZERS

Catherine Linard, Spatial Epidemiology Lab (SpELL), Université Libre de Bruxelles, Brussels, Belgium; linard.catherine@gmail.com

Michal Shimoni, Signal and Image Centre (SIC-RMA), Belgian Royal Military Academy, Brussels, Belgium; mshimoni@elec.rma.ac.be

Sabine Vanhuyse, Geospatial Analysis (ANAGEO), Université Libre de Bruxelles, Brussels, Belgium ; svhuyse@ulb.ac.be

Jessica Steele, WorldPop, Geography & Environment, University of Southampton, Southampton, UK; steele.jessica@gmail.com

SPONSORS

This workshop is supported by funding from the Belgian Science Policy (SR/00/304).

Tuesday, September 26 | At-A-Glance

09:30- Pre-conference workshop 4

12:30 **Learning by Doing: Inclusive, Healthy Placemaking**

Pre-conference workshop 5

How to Implement and Scale Up Community Best Solutions for Improving Urban Health

Pre-conference workshop 6

How to write a great Research Paper, and get Published in a Top Journal

Pre-conference workshop 7

Training in Urban Health Equity to Shape Global Future Cities

LOCATION: University of Coimbra
Humanities Faculty

The objective of this workshop is to gather expert insight on how the inclusive healthy placemaking definition and framework could be improved and made more useful to practitioners and researchers; to explore the overlapping and complementary aspects between design/urban planning and public health research and practices, particularly related to equity; and to inspire participants to apply these early learnings to their own practices and research.

We will introduce the working definition of inclusive healthy placemaking as well as the research and practice evaluation framework, two products that resulted from multi-method research which included literature review of design, planning, placemaking, equity, and social inclusion, as well as qualitative interviews with placemakers from around the world.

Participants will visit Praça da República and Garden of Sereia to test our assumptions. We will receive an overview about the space from two local practitioners. We will then conduct an exercise based emerging indicators in our framework for inclusion, health, and placemaking. We will then return to the university, where we will have a facilitated conversation and another exercise that applies our collective knowledge on how we can best evaluate community supports and other external factors that underpin a healthy and inclusive place.

By the end of the workshop, participants will have had the opportunity to view a public space in a wholly new way. They will walk away with a common understanding of the elements and indicators of inclusive healthy placemaking and the pathways to changing practice.

This workshop is suited for public health, design and planning researchers, and practitioners interested in the role the public realm plays in supporting health outcomes, particularly with a focus on social justice and equity.

ORGANIZERS

Gehl Institute, in collaboration with **Robert Wood Johnson Foundation (RWJF)**

Jennifer Gardner, Program manager, Gehl Institute

Julia Day, Associate, Gehl

José António Bandeirinha, Architecture Department, University of Coimbra

Andreia Margarido, Architecture Department, University of Coimbra

SPONSORS

Robert Wood Johnson Foundation

PCW **HOW TO IMPLEMENT AND SCALE UP COMMUNITY BEST SOLUTIONS FOR IMPROVING URBAN HEALTH**

5

The objectives of the pre-conference workshop are to share different best solutions on community based urban health interventions and create a global learning and information sharing network on community best practice to be affiliated with the ISUH. A 'horizontal learning approach' will be proposed to showcase the benefits of evidence based practices so other countries may benefit by replicating the best practices, as adapted to their local conditions. The network will promote learning and action among members in their own cities and countries and identify opportunities to intervene in global, regional and national urban health policy. Responsibilities and resource mobilization for the thematic network will be defined.

Among the topics to be discussed by panellists in active dialogue with all workshop attendees include: Indicators and targets for measuring community best practices within the SDGs goals; how to engage and scale up the community best solutions; how to share the best solution knowledge among the partners and stakeholders; mobilizing local resources for community best solutions. Participation by NGOs, UN Agencies, academicians, students, managers, policy makers and funding organizations with track record of implementing successful community based practice are encouraged.

The workshop will feature a combination of panel discussion, small group work and plenary session to bring together the elements of an action plan.

ORGANIZERS

Chair: Jo Ivey Boufford, President, New York Academy of Medicine,

Speaker:

Shiv Kumar, Founder and Chief Mentor, Swasti, India

Noor Mohammad, Executive Director, PSTC, Bangladesh

Knowing the best way of structuring your paper when writing it, and the most appropriate journal to send it to, really helps in getting your paper accepted. Also understanding how editors and publishers think and what they expect, and knowing how the peer review process works, is invaluable insight into the publishing process.

After attending this workshop, one in the Elsevier Publishing Connect Workshop series, participants will have a clear idea of the steps needed to be taken before starting to write a paper. They will also be able to plan writing manuscripts using the logical step sequence – not the sequence in which the paper will be read. Authors are also made aware of what aspects of their papers Editors and Publishers look at critically, and to ensure that in taking care of these areas, their papers are much more likely to be accepted. Dealing with referees' comments and the art of polite rebuttal are also described such that these can be used to improve the submitted paper suitably. Sensitive areas such as publishing ethics, plagiarism, duplicate publishing, etc are also clearly explained such that participants have a clear understanding of what is allowed, and what is not permitted.

These insights into the publishing process will enable the participants to be more confident as an author in the world of science publishing, and will help them get their papers published more easily.

Keywords: Publishing, Paper authorship, ethics, journal.

The target audience of this workshop are early career researchers.

ORGANIZERS

Deirdre Dunne, Environmental Sciences Department, Elsevier, Amsterdam, The Netherlands

The ISUH is committed to supporting and shaping urban health education around the world. This pre-conference workshop will build on previous global dialogues and ICUH sessions. The results of a global survey conducted by the International Society for Urban Health (ISUH) Working Group on Education and Training to gather models for urban health education will be presented.

This workshop will discuss the training needs for promoting urban health equity. We will hear from participants and invited guests on how to organize new training in urban health equity in university settings, define core competencies, and engage city decision-makers and NGOs to move from education to practice.

At the end of the session, participants will:

- (a) have an understanding of current university-level urban health training programmes;
- (b) discuss and co-design the core competencies for a global urban health training programme; and
- (c) shape the work plan for the ISUH Working Group on Education and Training for 2018.

The workshop is open to academics, NGO leaders, government officials and others from disciplines including public health, urban planning, medicine, geography, design and others.

ORGANIZERS

Jason Corburn, University of California at Berkeley, USA

Henock Blaise Nguendo-Yongsi, University of Yaounde II, Cameroon

Gerard Salem, University of Paris-Ouest, France

Waleska Caiaffa, Federal University of Minas Gerais, Brazil

Tolu Oni, University of Capetown, South Africa



ISUH
International Society
for Urban Health

INTERNATIONAL SOCIETY FOR URBAN HEALTH

Making Cities Healthier Worldwide

THE
NEW YORK
ACADEMY
OF MEDICINE

Tuesday, September 26 | At-A-Glance

09:30- **Pre-Conference Workshops**

12:30

09:30- Site visits (City of Coimbra)

12:30

13:00- Registration Desk

17:00

15:00- **Welcome Plenary (ceremonial)**

16:00

16:00- **Plenary session 1**

18:00

TUESDAY

**Integrating work on the SDGs and the
New Urban Agenda to improve Health
Equity in Cities**

18:30

Welcome reception

TUE

26/09 15:00-16:00 WELCOME PLENARY

PLW WELCOME PLENARY (CEREMONIAL)

Room: Main Auditorium

Conference hosts and government officials will welcome the participants and share their perspectives on the importance of the Conference and its theme “Healthy Equity: New Urban Agenda and Sustainable Development Goals”.

Welcome from the University of Coimbra

Paula Santana

Professor of the University of Coimbra

Co-chair of International Conference of Health, ICUH2017

João Gabriel Silva

Rector of the University of Coimbra

Welcome from ISUH

Shamim Hayder Talukder

President of the International Society of Urban Health

Welcome from Coimbra Mayor

Manuel Machado

City Mayor of Coimbra

Welcome from the Ministry of Planning

M A Mannan

Ministry of Planning, Government of the People’s Republic of Bangladesh (tbc)

Welcome from Ministry of Health

Adalberto Campos Fernandes

Ministry of Health, Government of Portugal

Plenary 1 16:15 - 18:00

TUE

26/09 16:00-18:00 PLENARY 1

PL1 INTEGRATING WORK ON THE SDGS AND THE NEW URBAN AGENDA TO IMPROVE HEALTH EQUITY IN CITIES

Room: Main Auditorium

The United Nations Sustainable Development Goals and New Urban Agenda provide goals and frameworks for countries and regions to achieve higher levels of economic and social development. Cities and the pace of urbanization worldwide make the need for integrated planning and implementation of interventions to achieve these goals critical. The commitment that “no one be left behind” reinforces the importance of health equity as a cross-cutting theme in urban settings.

CHAIR

Jo Boufford

President of The New York Academy of Medicine (NYAM), USA

WELCOME FROM CONFERENCE PARTNERS

Jo Boufford

The New York Academy of Medicine

Margaret Hamburg

Inter Academy Partnership, Health, Member of the Executive Committee

Franz Gatzweiler

Director of the ICSU Program for Urban Health and Wellbeing

PANELLISTS

Carlos Dora

Coordinator of the Public Health, Environmental and Social Determinants of Health Department, World Health Organization, Switzerland

Birgit de Boissezon

Head of Unit for 'Sustainable Management of Natural Resources', European Commission, Belgium

Remy Sietchiping

Leader, Regional and Metropolitan Planning Unit, Urban Planning and Design Branch,
United Nations Human Settlements Programme (UN-Habitat) , Kenya

Welcome reception: 18:15 – 19:30

Wednesday, September 27 | At-A-Glance

07:30- 17:00	Registration Desk
08:00- 09:00	Parallel Sessions
09:00- 10:10	<i>Break</i>
09:10- 10:10	Parallel Sessions
10:10- 10:40	<i>Coffee break</i>
10:40- 12:40	Plenary session 2 Understanding and Addressing Demographic, Epidemiological and Societal Changes in Cities
12:40- 13:40	Poster sessions
12:40- 14:00	<i>Lunch break</i>
14:00- 15:30	Parallel Sessions

WEDNESDAY

15:30- *Coffee break*

16:00

16:00- **Plenary session 3**

17:30

**Urban Governance and Equity-oriented
Policies**

17:30- *Break*

17:40

17:40- Parallel Sessions

19:10

WED

27/09 08:00 - 09:00 PARALLEL SESSION

PS1.1 PRE-FORMED PANEL

Growing old in urban slums: challenges to the health of older people living in informal settlements

Room: Main Auditorium

Chair: Megumi Rosenberg, Technical Officer, WHO Centre for Health Development

This panel will address the dynamics of ageing and health in urban informal settlements. Addressing this aspect of the urban reality is critical for the pursuit of key interlocking global development agendas: the Sustainable Development Goals, the New Urban Agenda and the Global Strategy and Action Plan on Ageing and Health. Expert panellists from Africa, South Asia and Latin America, where the world's largest slum areas are found, will share evidence and insights on key challenges and opportunities for optimizing the health of those who are old, or growing old, in urban slums.

SPEAKERS

Isabella Aboderin, Head, Aging and Development Program, African Population and Health Research Centre

Waleska Caiaffa, Professor, Federal University of Minas Gerais & Belo Horizonte Observatory for Urban Health

Abdur Razzaque, Emeritus Scientist, icddr,b

Discussant

John Beard, Director, WHO Department of Ageing and Life Course

Break: 9:00 - 9:10

WED

**27/09 08:00 - 09:00 PARALLEL SESSION
(ABSTRACTS)**

PS1.2 PRE-FORMED PANEL

Implementation research priorities in urban health in East Africa

Room: Mondego C2A

Chair: Yoswa Dambisya, East, Central and Southern Africa
Health Community

Neal Brandes, United States Agency for International Development

Implementation research can serve to advance how urban health issues are addressed, particularly considering the multi-sectoral nature of many of the challenges. The panel participants represent a Regional Ministerial Governing Body, donor, civil society, and research institutions. Panelists will present on evidence needs, gaps and opportunities born out of a multi-stakeholder consultation focused on nutrition, and water, sanitation and hygiene (WASH) interventions to meet the needs of the poorest children residing in urban areas of East Africa. Panelists will discuss determinants of urban health challenges, review the relevant evidence, share stakeholder perspectives and propose a set of implementation science priorities to advance the health of children in urban areas.

SPEAKERS

Prea Gulati, Independent Consultant

Masuma Mamdani, Ifakara Health Institute

D. Okello, Kampala City Council Authority

Jane Muuma, Great Lakes University of Kisumu (GLUK)

Tolullah Oni, University of Cape Town

Jennifer Wisdom, City University of New York (CUNY)

Break: 9:00 - 9:10

WED

**27/09 08:00 - 09:00 PARALLEL SESSION
(ABSTRACTS)**

PS1.3 Health Care in Cities: Access, Services and Quality
Health care access

Room: Aeminium C1A2

Chair: Elena Rios, National Hispanic Medical Association, USA

Access to and use of primary health services by the poor and non-poor in three cities of Bangladesh

A. Hossain (1), G. Uddin (1), A. Ali (1), A. Kabir (1), D. Thomas (1)

(1) Options Consultancy Services Ltd. UK

Pupils with Physical Disabilities and Access to Sanitary Facilities: A Case Study of Bindura Urban School Toilets, Zimbabwe

G. Chigunwe (1).

(1) Zimbabwe Open University Zimbabwe

Increasing access to services of the extreme poor in urban Bangladesh: lessons from a common Health Card

M. Ahmad (1), A. Ali (1), A. Hossain (1), M. Shohel (1), N. Islam (1), M. Rahman (1), D. Thomas (1)

(1) Options Consultancy Services Ltd. UK

Increasing accessibility and use of health services by the urban poor through improved governance and coordination: lessons from the Urban Health Systems Strengthening Project in Bangladesh

M. Osmani (1), A. Ali (1), S. Islam (1), K. Kwalombota (1)

(1) Options Consultancy Services Ltd. UK

Break: 9:00 - 9:10

WED

**27/09 08:00 - 09:00 PARALLEL SESSION
(ABSTRACTS)**

PS1.4 Environmental Health and Urban Sustainability
Climate & Health I

Room: Aeminium C1A4

Chair: Sotiris Vardoulakis, Institute of Occupational Medicine (IOM),
UK

The association between years of life lost and high temperatures in three major United Kingdom (UK) conurbations

K. Arbutnott (1,2), S. Hajat (1), C. Heaviside (1,2), S. Vardoulakis (1,2)

(1) London School Of Hygiene and Tropical Medicine UK, (2) Public Health England UK

Urban environment and heat waves: the impact of a pro-active monitoring program on the reduction of mortality among the community-dwelling older adults

G. Liotta (1), M.C. Inzerilli (2), O. Madaro (2), P. Scarcella (1), M.C. Marazzi (3)

(1) University of Rome "Tor Vergata" Italy, (2) Long Live the Elderly Program Italy, (3) LUMSA University Italy

Simulation on heat dissipation of air conditioning in urban buildings under summer ambient wind

Y.Z. Men (1,2), Y.Y. Lai (3), S.Z. Dong (3)

(1) Jilin University China, (2) Changchun Institute of Technology China, (3) Soyotec Limited China

Break: 9:00 - 9:10

WED

**27/09 08:00 - 09:00 PARALLEL SESSION
(ABSTRACTS)**

PS1.5 Healthy urban planning, measurement and metrics, data and research

Access to health and education services: models and motivations

Room: Sofia C2B

Chair: Susan Parnell, University of Cape Town, South Africa

School catchment modelling with cellular automata - a case study in Melbourne

F.J. Escobar (1), S. Mavoa (2), S. Eagleson (2), M. White (2), B. Giles-Corti (3), H. Badland (3)

(1) University of Alcala Spain, (2) University of Melbourne Australia, (3) RMIT University Australia

Potential access to primary health care in the metropolitan area of Berlin

J. Kolbe (1).

(1) Technical University Berlin Germany

Determinants of Use of Maternal and Newborn Health Services in Urban Slums of India

D. Bhattacharya (1), B. Patil (1), A. Rahman (1), V. Anand (1), R. Khanna (1)

(1) Save the Children India

Break: 9:00 - 9:10

WED

**27/09 08:00 - 09:00 PARALLEL SESSION
(ABSTRACTS)**

**PS1.6 Understanding and Addressing Demographic,
Epidemiological and Societal Changes in Cities**
Lifestyle diseases & effects of living in urban areas

Room: Almedina C2D

Chair: Svetlana Malkhazova, Lomonosov Moscow State University,
Russia

Increase in physical activity practice among Brazilian adolescents: PeNSE 2012-2015

L.C. Antonacci (5,1), C.A. Soares (2,3), G.I. Mielke (2,3), D.C. Malta (4), W.T. Caiaffa (1)
(1) Fluminense Federal Institute Brazil, (2) Postgraduate Course of Physical Education, Federal University of Pelotas, Brazil, (3) Postgraduate Program of Epidemiology, Federal University of Pelotas Brazil, (4) Postgraduate Program of Nursing, School of Nursing, Federal University of Minas Gerais Brazil, (5) Belo Horizonte Observatory for Urban Health/School of Medicine/Federal University of Minas Gerais Brazil

Adverse effect of tobacco use on pregnancy outcome: a multi-center hospital based case control study in urban settings of Karachi, Pakistan

S. Rozi (1), Z. Butt (2), N. Zahid (1), S. Wasim (1), K. Shafique (3)
(1) Department of Community Health Sciences, Aga Khan University, Karachi, Pakistan Pakistan, (2) Department of Public Health, Al Shifa Trust Eye Hospital, Rawalpindi Pakistan, (3) School of Public Health, Dow University of Health Sciences, Karachi Pakistan

Partnering to address one of the main killers of inner-city populations: tobacco

P. Sheikhattari (1,2), F.A. Wagner (1,2)
(1) CEASE USA, (2) Morgan State University USA

Factors associated with self perception of noise in a urban center: "The BH Health Study"

M.F. Colla (1,2), W.T. Caiaffa (1,2), F.A.M. Dias (1,2), D.A.S. Costa (1,2), C.C. Xavier (1,2), F.A. Proietti (1,2), A.A.L. Friche (1,2)
(1) Federal University Of Minas Gerais Brazil, (2) Belo Horizonte Observatory Of Urban Health Brazil

Break: 9:00 - 9:10

WED

**27/09 08:00 - 09:00 PARALLEL SESSION
(ABSTRACTS)**

PS1.7 Environmental Health and Urban Sustainability
Effects of waste management on population health

Room: Terceira C1B

Chair: Blaise Nguendo-Yongsi, University of Yaounde II, Cameroon

**Solid waste management policy implementation in urban Kenya:
Opportunities and challenges**

D.A. Amugsi (1), K. Muindi (1), C.W. Kabaria (1), B. Mberu (1)

(1) African Population and Health Research Centre Kenya

**Waste reduction for environmental risk reduction in low-income settings:
opportunities and barriers in Nairobi (Kenya) and Dakar (Senegal)**

C.W. Kabaria (1), K. Muindi (1), D. Amugsi (1), B. Mberu (1)

(1) African Population and Health Research Centre (APHRC) Kenya

**Vulnerability to Poor SWM and Loss to Health in Sub-Saharan African
Cities: Comparing experiences from Nairobi, Kenya and Dakar, Senegal**

B.U. Mberu. (1,2), D. Amugsi. (1), C. Kabaria. (1), K. Muindi. (1)

(1) African Population and Health Research Center Kenya, (2) African Population and Health Research Center Kenya, (3) African Population and Health Research Center Kenya, (4) African Population and Health Research Center Kenya

Break: 9:00 - 9:10

WED

**27/09 08:00 - 09:00 PARALLEL SESSION
(ABSTRACTS)**

PS1.8 Environmental Health and Urban Sustainability
Food systems and food (in)security I

Room: Peninsular P0

Chair: José Siri, United Nations University

Insights of food provision in the urban nexus context in Guarulhos, Brazil

I. Penha de Oliveira Santos (1,3), A.M. Bedran-Martins (1,2), S. Ley Omori Honda (1,2), A. Matenhauer Urbinatti (1,2), C. Monteiro de Carvalho (1,2), L.L. Giatti (1,2), A.P. Fracalanza (1,3)
(1) University of São Paulo Brazil, (2) School of Public Health Brazil, (3) Institute of Energy and Environment Brazil

**Food insecurity and associated factors among urban older adults in LMICs:
Evidence using SAGE data**

P. Arokiasamy (1), M. Chaudhary (1)
(1) Tata Institute of Social Sciences India

Urban-Rural disparities in food and non-food expenditure in India

M.D. Bhise (1).
(1) International Institute for Population Sciences India

From exclusion to exploitation: fast food, public health, and the black consumer market

N.O.A. Kwate (1).
(1) Rutgers, The State University of New Jersey USA

Break: 9:00 - 9:10

WED

**27/09 08:00 - 09:00 PARALLEL SESSION
(ABSTRACTS)**

PS1.9 Health Care in Cities: Access, Services and Quality
Managing communicable diseases in urban environments

Room: Conventual C1D

Chair: Ana Diez Roux, Drexel University, USA

Constructing urban spaces of vulnerability in Johannesburg's periphery in the context of HIV and TB: the case of Sol Plaatje (in)formal settlement

K. Moyo (1), G. Manthata (1)

(1) University of the Witwatersrand South Africa, (2) University of the Witwatersrand South Africa

Factors associated with CD4 lymphocyte count increase among patients initiating antiretroviral therapy in an urban setting in Nigeria: a retrospective cohort study

A.O. Olaleye (1,3), G. Owhonda (2), O. Daramola (3), I. Adejo (3), H. Olaide (3), T. Afolabi (3), J.I. Inyang (3), L. Ohuoba (3)

(1) University of Pretoria South Africa, (2) Rivers State Ministry of Health Nigeria, (3) Achieving Health Nigeria Initiative Nigeria

Tele-communication support for community HIV program using Short Message Services (SMS) - A case study of Fountain of Life Support Group, Udi, Enugu State, Nigeria.

P.O. Anyanwu (1), C. Onyegbado (1), O. Onyedini (1), G. Ofonime (1), O. Akpa (1), A. Eyo (1)

(1) Excellence Community Education Welfare Scheme (ECEWS) Nigeria

Break: 9:00 - 9:10

WED

**27/09 08:00 - 09:00 PARALLEL SESSION
(ABSTRACTS)**

PS1.10 Environmental Health and Urban Sustainability
Stigma and effects of urban environment on mental health

Room: Inês de Castro C1E

Chair: Marian Jacobs, University of Cape Town, South Africa

Area-based policies addressing urban socio-economic vulnerability and its indirect influence on mental health status (Andalusía, Spain)

A.R. Zapata Moya (1), C.J. Navarro Yáñez (2)

(1) Department of Social Anthropology, Basic Psychology and Public Health. Centre for Urban Political Sociology and Policies. Universidad Pablo de Olavide Spain, (2) Department of Sociology. Centre for Urban Political Sociology and Policies. Universidad Pablo de Olavide Spain

Active mobility and subjective general health: roles of mental health, social support, and physical activity

I. Avila-Palencia (1), L. Int Panis (2), A. de Nazelle (3), T. Götschi (4), E. Raser (5), M. Gaupp-Berghausen (5), E. Stigell (6), F. Iacorossi (7), M. Laeremans (2), E. Anaya-Boig (3)

(1) ISGlobal, Centre for Research in Environmental Epidemiology (CREAL) Spain, (2) Flemish Institute for Technological Research (VITO) Belgium, (3) Centre for Environmental Policy, Imperial College of London UK, (4) University of Zürich Switzerland, (5) University of Natural Resources and Life Sciences Vienna Austria, (6) Trivector Traffic Sweden, (7) Agenzia Roma Servizi per la Mobilità (RSM) Italy

The impacts of urban biodiversity on mental wellbeing: A study of 15 neighborhoods in Beijing

B.Q. Qin (1), W.Z. Zhu (1)

(1) Renmin University of China China

Break: 9:00 - 9:10

WED

**27/09 08:00 - 09:00 PARALLEL SESSION
(ABSTRACTS)**

PS1.11 Urban Governance and Equity-oriented Policies
Public health services: management and effectiveness evaluation

Room: D. Pedro C1F

Chair: Carlota Quintal, University of Coimbra, Portugal

Municipal governance at the heart of healthy cities: effectiveness and inefficiencies in delivering public health services in three megapolises

P. Balasubramaniam (1), A. Patil (1), M. Daniel (1), S. Hira (1)

(1) Public Health Foundation of India India

Decentralized governance in the management of urban health care systems in developing countries: opportunity for or threat to public private partnerships?

J.O. Obosi (1).

(1) University of Nairobi Kenya

Does multidisciplinary rehabilitation of traumatised refugees provide 'value-for-money'? A long-term follow-up of an urban refugee population living in Copenhagen, Denmark

L. Bager (1), K. Hansen (2), C. Andersen (3), S. Wang (1)

(1) DIGNITY - Danish Institute Against Torture Denmark, (2) University of Copenhagen Denmark,

(3) Decision Consult Denmark

Break: 9:00 - 9:10

WED

27/09 09:10 - 10:10 PARALLEL SESSION

PS2.1 PRE-FORMED PANEL

Water, Sanitation, Hygiene (WASH) and health in informal settlements

Room: Main Auditorium

Chair: Joanna Esteves Mills, Environmental Health Group, London School of Hygiene and Tropical Medicine

This session will draw on recent research to demonstrate the higher WASH-related health risk associated with high-density urban areas, as well as the unique risks and exposure pathways characteristic of such environments. It will also explore a number of potential avenues for addressing these challenges, including the issue of demand-creation for WASH services among informal settlements, understanding the determinants of behaviour in complex urban environments, and the opportunities and barriers associated with the model of decentralised services.

SPEAKERS

Robert Dreibelbis, LSHTM – Challenges and opportunities for WASH behaviour change in urban and informal settlements

David Berendes, Georgia Institute of Technology – Exploring health impacts of decentralised sanitation systems

Jane Mumma, Great Lakes University of Kisumu, Kenya – Unique risks and pathways in peri-urban environments

Roma Chilengi, Centre for Infectious Disease Research, Zambia – Increasing sanitation demand as one key element for successful interventions

Break: 10:10 - 10:40

WED

27/09 09:10 - 10:10 PARALLEL SESSION

PS2.2 Health Care in Cities: Access, Services and Quality
Health care provision & utilization in urban areas

Room: Mondego C2A

Chair: Mark Rosenberg, Queen's University, Canada

Gender differentials in prevalence of Non communicable disease multimorbidity and associated health care utilization and expenditures in selected BRICS countries: cross-sectional study

A. Pal (1).

(1) International Institute for Population Sciences India

Acute poisoning in children and adolescents reported at the Toxicology Center in the Northeast of Brazil, 2012-2014

M.L.P. Amorim (1), M.J.G. Mello (2), M.T. Siqueira (1,3)

(1) Secretaria de Saúde de Pernambuco - SES-PE Brazil, (2) Instituto de Medicina Integral Prof. Fernando Figueira - IMIP Brazil, (3) Faculdade de Ciências Médicas/Universidade de Pernambuco - FCM/UPE Brazil

Health equity, accessibility and spatial targeting - medical emergencies in Manizales

J.M. Holguin_Cradenas (1), D.R. Oviedo_Hernandez (2), D.A. Escobar_Garcia (1), M. Ramirez_Marin (3)

(1) National University of Colombia Colombia, (2) University College London UK, (3) Caldas University Colombia

Deciphering citizen engagement in primary health care in Western Kenya

J. Sitienei (1), M. Nangami (1), L. Paina (1), R. Kesgei (1)

(1) University of the Witwatersrand Kenya, (2) Moi University Kenya

Coffee break: 10:10 - 10:40

WED

27/09 09:10 - 10:10 PARALLEL SESSION

PS2.3 PRE-FORMED PANEL

What makes places more conducive to achieving a culture of health?

Room: Aeminium C1A2

Chair: Sharon Roerty, Senior Program Officer RWJF

In this panel, Gehl Institute will first introduce an evaluation framework for inclusive, healthy placemaking to the audience and describe some of the key elements gathered from literature and global scan of practice. We will then hear from practitioners working on the ground in cities around the world about their successes and challenges in creating public spaces for improved health and equity, either in close collaboration with municipalities or through a public campaign. Through the discussion, we will test the strength of the emerging framework and surface key actions practitioners, researchers, decision-makers, and other stakeholders could take to contribute to the cross-sectoral effort that inclusive, healthy placemaking requires.

SPEAKERS

Sharon Roerty, Senior Program Officer RWJF

Jennifer Gardner, Program Manager, Gehl Institute

Louise Kielgast, Associate, Gehl practice

Jorge Canez aka Peatonito, pedestrian activist, founder of Pedestrian Action League, Mexico City

Coffee break: 10:10 - 10:40

WED

**27/09 09:10 - 10:10 PARALLEL SESSION
(ABSTRACTS)**

PS2.4 Healthy urban planning, measurement and metrics, data and research

Climate & Health II

Room: Aeminium C1A4

Chair: Sotiris Vardoulakis, Institute of Occupational Medicine (IOM), UK

Noise exposure based on urban morphology

M. Albrecht (1), B. Bechtel (1), J. Böhner (1), P. Hoffmann (1), T. Kraft (1), J. Oßenbrügge (1), M. von Szombathely (1)

(1) University of Hamburg Germany

Comparing outdoor temperature with monitored indoor temperature for overheating risk estimation in a subtropical city

S-C. HSU (1), I. Hamilton (1), A. Mavrogianni (1), A. O'Sullivan (1)

(1) University College London UK

Spatially explicit mapping of heat health risk utilizing environmental and socioeconomic data

X. Yang (1), K. Hu (1), J. Zhong (2), F. Fei (2), J. Qi (1)

(1) Zhejiang University China, (2) Zhejiang Provincial Center for Disease Control and Prevention China

Climate change adaptation: Levels and predictors of climate hazard preparedness in municipalities in Quebec (Canada)

P. Valois (1,2), J. Jacob (1,2), M. Caron (1,2)

(1) Université Laval Canada, (2) Observatoire québécois de l'adaptation aux changements climatiques (OQACC) Canada

Coffee break: 10:10 - 10:40

WED

**27/09 09:10 - 10:10 PARALLEL SESSION
(ABSTRACTS)**

PS2.5 Healthy urban planning, measurement and metrics, data and research

Data and Methods for managing and monitoring health

Room: Sofia C2B

Chair: Thomas Krafft, Maastricht University, Netherlands

A methodological comparison to forecast human health resources in Portugal

D. Lopes (1), J. Martins (1), J. Marques (1)

(1) University of Aveiro Portugal

Integrated urban routine health management information systems- a web based tool (DHIS2) for urban local government institutes: UHSSP experiences in Bangladesh

T. Ahmed (1), F. Uddin (1), K. Kwalombota (1)

(1) Options Consultancy Services Ltd. UK

Development and use of a health equity assessment and response tool (HEART) in Niigata City, Japan

Y. Shobugawa (1), N. Kondo (2), T. Ojima (3), Y. Miyaguni (6), A. Tashiro (4), A. Ota (5), T. Suzuki (1), R. Saito (1), S. Iguchi (1), A. Saitoh (1)

(1) Niigata University Japan, (2) University of Tokyo Japan, (3) Hamamatsu University School of Medicine Japan, (4) Public Health Centre of Niigata city Japan, (5) University of Niigata Prefecture Japan, (6) Chiba University Japan, (7) National Centre for Geriatrics and Gerontology Japan

Coffee break: 10:10 - 10:40

WED

**27/09 09:10 - 10:10 PARALLEL SESSION
(ABSTRACTS)**

PS2.6 Healthy urban planning, measurement and metrics, data and research

Spatial distribution and population health

Room: Almedina C2D

Chair: Svetlana Malkhazova, Lomonosov Moscow State University, Russia

Is population density a health determinant? An analysis at three geographical levels

A.I. Tavares (1), C. Quintal (1), P. Santana (1), P.L. Ferreira (1), C. Mitsakou (2), M. Gotsens (3)
(1) University of Coimbra Portugal, (2) Public Health England UK, (3) Public Health Agency of Barcelona Spain

A GIS-based analysis to evaluate the spatial distribution of tobacco users: the case study of Madrid, Spain

R. Valiente (1), X. Sureda (1), U. Billal (2), M. Franco (1,2), J. Pearce (3), F. Escobar (1)
(1) University of Alcalá Spain, (2) Johns Hopkins Bloomberg School of Public Health USA, (3) University of Edinburgh UK

Mapping and Identify the clustering areas under land use and land cover in India: A districts level spatial analysis

R. Kumar (1), A. Gupta (1), M. Kumari (1)
(1) International Institute for Population Sciences, Mumbai India

The geography of amenable deaths to healthcare in ten European metropolitan areas

C. Costa (1), C. Mitsakou (2), C. Franke (3), D. Corman (4), D. Willaert (5), L. Camprubi (6), M. Lustigova (7), N. Coué (8), Q. Tenailleau (9), S. Rodopoulou (10)
(1) University of Coimbra Portugal, (2) Public Health England UK, (3) Beuth University of Applied Science Berlin Germany, (4) Karolinska Institutet Sweden, (5) Vrije Universiteit Brussel Belgium, (6) Agència de Salut Pública de Barcelona Spain, (7) Charles University Czech Republic, (8) CSI Piemonte Italy, (9) Université de Paris Ouest Nanterre la Défense France, (10) National and Kapodistrian University of Athens Greece

Coffee break: 10:10 - 10:40

WED

**27/09 09:10 - 10:10 PARALLEL SESSION
(ABSTRACTS)**

PS2.7 Health Care in Cities: Access, Services and Quality
Social vulnerability & health inequalities

Room: Terceira C1B

Chair: Arpana Verma, University of Manchester, UK

Quality in health care: what matters for urban vulnerable

S. Banerjee (1), S. Mahajan (1)
(1) IPE-Global India

Social vulnerability in urban and suburban hospitalized patient: the importance of an early detection

L. Paglione (1), G. Migliara (1), M.L. Russo (1), M. Marceca (1)
(1) Sapienza - Università di Roma Italy

How income inequality and ethnicity affect children's utilization of psychiatric health care in Norway's capital city

J.E. Finnfold (1), E. Ugreninov (1)
(1) NOVA Norwegian Social Research, Oslo and Akershus University College Norway

Coffee break: 10:10 - 10:40

WED

**27/09 09:10 - 10:10 PARALLEL SESSION
(ABSTRACTS)**

PS2.8 Environmental Health and Urban Sustainability
Urban systems and wellbeing

Room: Peninsular P0

Chair: Tolullah Oni, University of Cape Town, South Africa

Exploring the relationship between wellbeing and the urban environment in three UK cities

C.T. Boyko (1), R. Cooper (1), J.D. Hale (2), C. Coulton (1)

(1) Lancaster University UK, (2) University of Birmingham UK

Lessons from complexity theory of cities for urban health and wellbeing: building systems intelligence

F.W. Gatzweiler (1).

(1) Chinese Academy of Sciences China

Identifying problems, constraints and solutions for achieving healthy, sustainable homes in a low-income settlement in Delhi through community participation

E. Nix (1), J. Paulose (2), H. Altamirano (1), C. Shrubsole (1), A. Singh (2), R. Khosla (2), M. Davies (1), P. Wilkinson (3)

(1) University College London UK, (2) Centre for Urban and Regional Excellence India, (3) London School of Hygiene and Tropical Medicine UK

Social Participation in Environmental Licensing in the Municipality of São Paulo, Brazil

M.L. Castro (1,2), M.C.F. Pelicioni (1), A. Philippi Jr (1)

(1) School of Public Health of the University of São Paulo - USP. Brazil, (2) Mogi das Cruzes University - Campus São Paulo. Brazil

Coffee break: 10:10 - 10:40

WED

**27/09 09:10 - 10:10 PARALLEL SESSION
(ABSTRACTS)**

PS2.9 Urban Governance and Equity-oriented Policies
Maternal and reproductive health & women engagement

Room: Conventual C1D

Chair: Ana Diez Roux, Drexel University, USA

Changes in maternal health care services with changes in media exposure over the past two decades in selected South Asian countries

B. Brajesh (1), C. SHEKHAR (1)

(1) International Institute for Population Sciences Deonar Mumbai India India

Analysis of adolescent fertility rate after a slum upgrading strategy (Vila Viva Project) in the municipality of Belo Horizonte, Brazil

M.M. Santos (1), A.A.L. Friche (1), M.A.S. Dias (1), W.T. Caiaffa (1)

(1) Belo Horizonte Observatory for Urban Health/School of Medicine/Federal University of Minas Gerais Brazil

Enhanced Urban Resiliency with Integration of Women into Urban Life through Provision of Security in Urban Planning and Development

P. Movaghati Nashta (1), K. Hojjati Emami (2)

(1) University of Tehran, Environmental Design Dept Iran, (2) Art University, Industrial Design Dept Iran

The role of community health workers in reducing intra-urban gaps in reproductive health: Evidence from the 2006 and 2013 Bangladesh Urban Health Surveys

G. Angeles (1), K.Z. Ahsan (1), P.K. Streatfield (2), S. El Arifeen (2), K. Jamil (3)

(1) University of North Carolina at Chapel Hill USA, (2) icddr,b Bangladesh, (3) USAID Bangladesh

Coffee break: 10:10 - 10:40

WED

**27/09 09:10 - 10:10 PARALLEL SESSION
(ABSTRACTS)**

**PS2.10 Understanding and Addressing Demographic,
Epidemiological and Societal Changes in Cities**
Health equity

Room: Inês de Castro C1E

Chair: Marian Jacobs, University of Cape Town, South Africa

The threat of home eviction and its effects on health through the equity lens: a systematic review

H. Vásquez (1,3), L. Palència (1,4), I. Magna (3), C. Mena (3), J. Neira (3), C. Borrell (1,5)
(1) Agència de Salut Pública de Barcelona Spain, (2) Department of Experimental and Health Sciences, Universitat Pompeu Fabra Spain, (3) CEES-Departamento de Salud Pública, Universidad de La Frontera Chile, (4) CIBER de Epidemiología y Salud Pública (CIBERESP) Spain, (5) Institut d'Investigació Biomèdica (IIB-Sant Pau) Spain

Citizenship, exclusion and health equity explored by a sample of undocumented migrants living in Norway

T.M. Myhrvold (1).
(1) Akershus University College of Applied Sciences Norway

Realising the health equity potential of slum upgrading: key issues and gaps analysis

A.M. Sverdlik (1), J. Corburn (2), N. Roebbel (3), D. Satterthwaite (1)
(1) IIED UK, (2) UC Berkeley USA, (3) WHO Switzerland

Built environment change and neighbourhood socioeconomic disadvantage: are neighbourhood differences widening over time, and what are the implications for health inequity?

G. Turrell (1), J. Rachele (1), A. Healy (1), B. Giles-Corti (2)
(1) Australian Catholic University Australia, (2) RMIT University Australia

Coffee break: 10:10 - 10:40

WED

**27/09 09:10 - 10:10 PARALLEL SESSION
(ABSTRACTS)**

PS2.11 Health Care in Cities: Access, Services and Quality
Health care needs & access in Europe

Room: D. Pedro C1F

Chair: Carlota Quintal, University of Coimbra, Portugal

Unmet healthcare needs in Europe: does living in a (big) city make a difference?

C. Quintal (1,2), O. Lourenço (1,2), L.M. Ramos (1,2), M. Antunes (1,2)

(1) University of Coimbra Portugal, (2) CeBER Portugal

The influence of the economic crisis and troika agreement on the availability and affordability of healthcare access among the elderly population in Lisbon, Portugal

J.N. Doetsch (1), E. Pilot (1), P. Santana (2), T. Krafft (1)

(1) Maastricht University The Netherlands, (2) Centre of Studies on Geography and Special Planning Portugal

ER access by non-EU citizens between 1999 and 2014 in five large hospital of Rome, Italy

G. Migliara (1), E. Baldini (1), G. Bertazzoni (1), A. Montanari (1), B. Staniscia (1), P. Villari (1), C. De Vito (1)

(1) Sapienza - University of Rome Italy

Emigration of medical staff, national health system infrastructure and access of urban population to health services in Romania

G. Camara (1).

(1) Alexandru Ioan Cuza University of Iasi Romania

Coffee break: 10:10 - 10:40

WED

27/09 10:40 - 12:40 PLENARY 2

**PL2 UNDERSTANDING AND ADDRESSING DEMOGRAPHIC,
EPIDEMIOLOGICAL AND SOCIETAL CHANGES**

Room: Main Auditorium

This session will explore the global trends of recent epidemiological, demographic, and societal changes and the opportunities and challenges they present for policies and programs that can achieve the highest levels of health for people living in cities.

CHAIR

Yonette Thomas

Scientific Advisor on Urban Health, The New York Academy of Medicine; Senior Research Advisor, American Association of Geographers, USA

PANELLISTS

Alex Ezeh

Executive Director of the African Population and Health Research Centre, Kenya

Richard Wilkinson

Co-founder of The Equality Trust, Professor Emeritus of Social Epidemiology, University of Nottingham Medical School, UK

John Beard

Director of the Department of Ageing and Life Course, World Health Organization, Switzerland

K. Srinath Reddy

President of The Public Health Foundation of India, New Delhi, India

Poster Session: 12:40 - 13:30

WED

27/09 12:40 - 13:40 POSTER SESSION 1

POS1 POSTER SESSION 1

Room: Cloister

- 1 The impact of constructivism density of the urban tissue in improving the physical urban ambience of the free space - the street- for Saharian cities. The study of the case city of Biskra**
R. Qaoud, Architctuer, Algeria
- 2 Kernel density estimation of a gravity-based healthcare accessibility model**
F. de Mello-Sampayo, University Institute of Lisbon, Portugal
- 3 Spatial heterogeneity in the effects of quality on elderly's medicare spending**
F. de Mello-Sampayo, University Institute of Lisbon, Portugal
- 4 Why are refugee children shorter than the hosting population? Evidence from camps residents in Jordan**
A. Rashad, Frankfurt School of Finance and Management, Germany
- 5 UN and World Bank Population and health deprivation estimates miss half of the bottom quintile: Evidence from East Africa and more accurate estimates of access to water and availability of sanitation**
R.A. Carr-Hill, UCL Institute of Education, UK
- 6 Urban population growth and under-five mortality in sub-Saharan Africa: A multi-level analysis of urban-rural disparities**
E.D. Beatriz, Northeastern University, USA
- 7 The impact of risk factors and the spatial effects on the frailty of child Health in Urban and rural areas in South Asian countries**
B. Brajesh, International Institute for Population Sciences Deonar, India
- 8 Impact of IFA (Iron and Folic Acid) and nutrition supplementation package on work productivity and absenteeism of female garment factory workers**
J.A. Azad, CARE, Bangladesh
- 9 Prevalence of sexually transmitted infections among transactional sex workers in Dominican Republic**
S. Amesty, Columbia University, USA
- 10 Pilot study of using gis to visualize mortality distribution- case study of kumasi metropolis**
D. Asenso-Gyambibi, Council for Scientific and Industrial Research, Ghana
- 11 Migration, remittances, and poverty reduction in India and selected states**
I. Ali, International Institute for Population Sciences, India

Lunch break: 12:40 - 14:00

WED

27/09 12:40 - 13:40 POSTER SESSION 1

- 12 Urban mobility and sustainability - a study in Morungaba, São Paulo, Brazil**
C.M.C. Baptista, University of São Francisco, Brazil
- 13 User types for sustainable mobility incentive models - bridging the gap**
C. Heydkamp, Fraunhofer IAO, Germany
- 14 Planning principle shifts in urban green spaces in megacity Guangzhou**
J. Liu, University of Lisbon, Portugal
- 15 Medellin's health and city strategy implementation during 2012 - 2015**
E. Martinez, University of Antioquia, Colombia
- 16 Evolution of federated families in light of emigration and remittances in India**
I. Ali, IMS Health, India
- 17 Izwi Lethu: Our Voices: A newsletter project with migrant sex workers in South Africa. The 'double-edged sword' of an HIV/AIDS focus in research on sex work in the Global South**
E. Oliveira, African Centre for Migration and Society, South Africa
- 18 The 'double-edged sword' of an HIV/AIDS focus in research on sex work in the Global South**
E. Oliveira, African Centre for Migration and Society, South Africa
- 19 Rural-urban and socio-economic differentials in modern family planning use, institutional delivery, and secondary education in Nigeria**
L. Calhoun, University of North Carolina, USA
- 20 Advanced urban expansion and population models for African cities**
M. Shimoni, Signal and Image of the Royal Military Academy, Belgium
- 21 Sustainable urban transport - consequences for public health and social equity**
S.H. Jørgensen, Norwegian University of Science and Technology (NTNU), Norway
- 22 Obesity epidemic – the importance of urbanization**
M. Pereira, University of Coimbra, Portugal
- 23 Prevalence and spatial distribution of enteroparasites in Rio de Janeiro (Brazil): Association with social determinants**
R. Almendra, University of Coimbra, Portugal
- 24 Gardens, refugees, and churches: Opportunities for renewed health and social connection in an urban environment**
K.A. Hartwig, St. Catherine University, USA
- 25 Understanding child-care and early child-hood development in urban slums: A mixed methods study from Dhaka, Bangladesh**

Lunch break: 12:40 - 14:00

WED

27/09 12:40 - 13:40 POSTER SESSION 1

H. Elsey, University of Leeds, UK

26 Emigration, remittances euphoria and crop share pattern: Emerging opportunities and challenges

I. Ali, IMS Health, India

27 Have women attained relevant participation in the labour market? An analysis of economic, human development and health reports

P.V.C. Vianna, University of Vale do Paraíba, Brazil

28 A proposal for professional specialization in the management of healthy cities

J-C. Castro, Oswaldo Cruz Foundation, Brazil

29 The Entre-Maisons Ahuntsic, a collaborative project at the hearth of low-rent housing units

A.A. Parent, University of Montréal, Canada

30 Adapting facilities to declining functional capacities of inhabitants in aging regions: Availability of public data for planning at the facilities

D. Bogataj, University of Padua, Italy

31 Caring entrepreneurs and social city farmers: Social resilience in hybrid places

M.E. Knibbe, Maastricht University, The Netherlands

32 Urban health initiative

C. Dora, World Health Organization, Switzerland

33 Health impact assessment in Wales: Putting community participation at the heart of decision making

L. Parry-Williams, Public Health Wales, UK

34 A novel research approach for enabling cities to prioritise social factors and cultural determinants relevant to type 2 diabetes

S. Nielsen, Novo Nordisk A/S, Denmark

35 Effect of living arrangement on self-perceived health status, immobility, and hospitalization among elderly in India

M.D. Bhise, International Institute for Population Sciences, India

36 Organisational capacity development to strengthen urban health systems: Experience from three municipalities of Bangladesh

W. Chowdhury, Options Consultancy Services Ltd. UK

37 Physical activity as a tool for improving the quality of life and maintaining the health of older women in major cities, in Russia

R.R. Smolyagina, National-Research Tomsk Polytechnic University, Russia

Lunch break: 12:40 - 14:00

WED

27/09 12:40 - 13:40 POSTER SESSION 1

38 Congenital syphilis: Mothers of a metropolitan Brazilian City tell their life history and healthcare experience

P.V.C. Vianna, University of Vale do Paraiba, Brazil

39 Prevalence and determinant of self-reported non-communicable diseases among elderly population in urban India

M.D. Bhise, International Institute for Population Sciences, India

40 The burden of maternal morbidity among young women from the slums of a million plus Indian city - implications for the health delivery system

A. Dyalchand, Institute of Health Management Pachod (IHMP), India

41 Seasons of violence: Weather patterns in violent crime in 100 US Cities, 2009-2012

R.N. Ostrander, DePaul University, USA

42 Complexity and the planning of urban environments revisited: Exploring the links between urban development and zoonosis risk factors in Nairobi, Kenya

D.R. Oviedo Hernandez, University College London, UK

43 A Process to Define SDG Commitments: Analyzing social determinants of health and opening doors to unique partnerships

A.D. Caron, Rabin Martin, USA

44 Assessing the impact of (non-) built environment on population mental health: An interdisciplinary approach

A. Guilbert, Scientific Institute of Public Health (WIV-ISP), Belgium

45 Low-income neighborhoods and the search for health

L.H.C. Silveira, Federal University of Rio Grande do Sul, Brazil

46 Understanding and addressing the needs of children in street situations in Dhaka, Bangladesh: A qualitative analysis

V. Ibbett, University of Birmingham, UK

47 The bureaucratization of contracting out primary health care in urban Bangladesh

A.M. Adams, Georgetown University, USA

48 Socio-demographic differentials of selected non-communicable diseases risk factors: Slums of Dhaka (North and South) and Gazipur City Corporations

A. Razzaque, International Centre for Diarrhoeal Disease Research, Bangladesh

49 Socio-cultural dimensions of bikeability for healthy cities and communities: A qualitative multi-method approach

S. Yoo, Seoul National University, Republic of Korea

Lunch break: 12:40 - 14:00

WED

27/09 12:40 - 13:40 POSTER SESSION 1

- 50 Comprehensive strategy and complete chain of public-private services for a long-lasting sanitation network contributing to the health and hygiene of water, adapted to the poorest households of the urban commune of Mahajanga (Madagascar)**

M. Barth, University of Strasbourg, France

- 51 Ground miles: A healthcare partner to millions more people**

A. Caron, Rabin Martin, USA

- 52 Emerging trends and patterns of self-reported morbidity in India: Exploring the urban-rural divide**

B. Bhuyan, International Institute for Population Sciences, India

- 53 "Don't jump or run here": Urban context influencing childhood physical activity in a metropolitan city**

S. Yoo, Seoul National University, Republic of Korea

- 54 Findings from London's Great Weight Debate (GWD) on childhood obesity**

J. Gilbert, Healthy London Partnership, UK

- 55 Understanding the crime risk in urban parks with content analysis and mapping approach: Evidence from Hailin Town, China**

Z. Xu, Nanjing Forestry University, China

- 56 City health planning- an evidence-based approach**

B. Patil, Save the Children, India

- 57 Healthy Generation project - empowering youth as healthy lifestyles' advocates**

S. Torgal, Portuguese Pharmaceutical Society, Portugal

- 58 Assessing urban-rural differences in the relationship between social capital and depression in Ghanaian and South African older adults**

D. Adjaye-Gbewonyo, Johns Hopkins Bloomberg School of Public Health, USA

- 59 An approach for affordable housing design in India: Comprehending the spatial parameters from user behaviour and self up-gradation methods**

S. Mohanty, KIIT University India)

- 60 Park use and physical activity levels of children in low income, racial and ethnic minority communities (PARC3 Study): Findings from systematic observation in New York City parks**

O. Marquet, North Carolina State University, USA

Lunch break: 12:40 - 14:00

WED

27/09 12:40 - 13:40 POSTER SESSION 1

61 Women's action towards managing health impacts of climate change affecting urban poor in south Asia

M.L.P. Elliott, Georgia Institute of Technology, USA

62 Food insecurity and multi-morbidity among older adults: A study of urban cities from six LMICS using SAGE data

M. Chaudhary, Tata Institute of Social Sciences, India

63 The consideration of intersectoral perspectives regarding the relationship of subsidized housing and health and well-being: An experiential analysis in Medellin, Colombia

R.V.H. Dover, University of Antioquia, Colombia

64 Are neighbourhood socioeconomic characteristics associated with depressive and anxiety symptoms over time? An investigation of longitudinal data among older adults in the Netherlands

I. Motoc, VU University Medical Center; Amsterdam Public Health Research Institute, The Netherlands

65 There's no place like a home -- solving the homeless crisis in the U.S.

N.A. Shipley, University of La Verne USA

66 Socioeconomic vulnerability, health situation analysis and indicators: A preliminary Analysis of Millennium Development Objectives (ODM) for the municipality of Sao Paulo

M. Miranda, University of Sao Paulo, Brazil

Lunch break: 12:40 - 14:00

WED

27/09 14:00 - 15:30 PARALLEL SESSION

PS3.1 PRE-FORMED PANEL

Measuring age-friendliness and the liveability of cities for ageing populations

Room: Main Auditorium

Chair: John Beard, Director, WHO Department of Ageing and Life Course

This panel will illustrate different approaches to evaluating Age-friendly City (AFC) initiatives. It will present available tools, including the WHO core indicators of age-friendliness, a process-oriented evaluation tool developed in the UK, and the AARP liveability indicators. It will also showcase Age-friendly City assessments from around the world, including a pilot study of the WHO core indicators in Washington, DC; New York City's new effort to develop an interactive map of ageing-related data to facilitate more informed planning and equitable deployment of resources; a large-scale mixed-methods evaluation by Age-friendly Quebec; and an assessment of community liveability in Shanghai.

DISCUSSANTS/SPEAKERS

Megumi Rosenberg, Technical Officer, WHO Centre for Health Development

Stefanie Buckner, Research Associate, Cambridge Institute of Public Health

Peter Schafer, Acting Director, Center for Health Policy and Programs, New York Academy of Medicine

Xiaocang Ding, President, Jing'an Preventive Medicine Association, I KNOW Elder Health Management and Service Centre, Shanghai

Coffee break: 15:30 - 16:00

WED

**27/09 14:00 - 15:30 PARALLEL SESSION
(ABSTRACTS)**

PS3.2 Healthy urban planning, measurement and metrics, data and research

Methods for Data collection

Room: Mondego C2A

Chair: Waleska Caiaffa, Federal University of Minas Gerais, Brazil

Temporary position estimation of people in urban areas using georeferenced social network data

J.L. Bermudez (1), F.J. Escobar (2)

(1) BERITEC Spain, (2) University of Alcala Spain

Assessment of two citizen participation approaches for data collection in urban environmental research

S. Grossberndt (1), S. Lopez-Ap (1), M. Vogt (1)

(1) NILU-Norwegian Institute for Air Research Norway

Collecting data at municipal level in Europe. The EURO-HEALTHY approach for data collection and access

C. Costa (1), C. Mitsakou (2), C. Franke (3), D. Corman (4), D. Willaert (5), L. Camprubi (6), M. Lustigova (7), N. Coué (8), Q. Tenailleau (9), S. Rodopoulou (10)

(1) University of Coimbra Portugal, (2) Public Health England UK, (3) Beuth University of Applied Science Berlin Germany, (4) Karolinska Institutet Sweden, (5) Vrije Universiteit Brussel Belgium, (6) Agència de Salut Pública de Barcelona Spain, (7) Charles University Czech Republic, (8) CSI Piemonte Italy, (9) Université de Paris Ouest Nanterre la Défense France, (10) National and Kapodistrian University of Athens Greece

Spatial enablement for public health data: the atlases of the PULSE project

V. Casella (4), M. Franzini (4), M.M. dell'Olmo (1), H. Vasquez (1), E. Fisher (3), J.A. Pagán (3), L. Raso (2)

(1) Agència de Salut Pública de Barcelona (ASPB) Italy, (2) GESP Italy, (3) The New York Academy of Medicine USA, (4) University of Pavia Italy

Coffee break: 15:30 – 16:00

WED

27/09 14:00 - 15:30 PARALLEL SESSION

PS3.3 PRE-FORMED PANEL

The Role of Technology in Accelerating the Urban Health Agenda in LMICs

Room: Aeminium C1A2

Chair: Roberta Bosurgi, Head of Urban Health Initiative, Novartis Foundation, Switzerland

Geoffrey So, Head of Partnerships, Novartis Foundation

The session will examine the gaps that need to be addressed in low- and middle-income countries (LMICs), with respects to surveillance and data-driven decision making for urban planning and public health; digital innovations that are leapfrogging urban wellbeing; financial and sustainability challenges; and highlight case examples of how technology is transforming urban health, including non-communicable diseases that disproportionately affect LMICs. The existing and emerging urban health challenges are complex and cannot be addressed by one academic discipline or the governmental sector alone. There is an urgent need for multidisciplinary and multisector approaches to make cities inclusive, safe, resilient and sustainable.

SPEAKERS

John Rossant, Chairman, The New Cities Foundation (Canada), “Incubating Local Innovations to Address Urban Health Challenges in LMICs”

Alain Labrique, Associate Professor, John Hopkins School of Public Health (USA), “Leveraging Data and Technology to Address Equity and Access to Health at a Population Level in LMICs”

Colin Machale, General Manager, Health and Life Sciences, Europe Middle East Africa (USA), “Leapfrog Technologies for Health and Development in LMICs”

Olasupo Oyedepo, Project Director, ICT4HEALTH Project (Nigeria), “Governance, Financing and Sustainability of Digital Health Solutions in LMICs”

Coffee break: 15:30 – 16:00

WED

**27/09 14:00 - 15:30 PARALLEL SESSION
(ABSTRACTS)**

PS3.4 Healthy urban planning, measurement and metrics, data and research

Improving urban health through community engagement

Room: Aeminium C1A4

Chair: Gérard Salem, University of Paris Ouest, France

Leveraging mega sporting events to improve urban adolescents' health

A. Smith (1).

(1) McCreary Centre Society Canada, (2) Sheffield Hallam University UK

Modelling the health impacts of urban policies: integration of tools in the Urban Health Initiative

P. Mudu (1), T. Hérick de Sá (1), C. Dora (1)

(1) Department of Public Health, Environmental and Social Determinants of Health, World Health Organization Switzerland

Use of city health profiles to improve urban health care delivery: Experiences from the UHSSP in Bangladesh

T. Ahmed (1), A. Ali (1), F. Uddin (1), S. Mahendra (1)

(1) Options Consultancy Services Ltd. UK

Research Slam: Creating a model of meaningfully-engaged youth research in an urban setting

M. Peled (1), A. Smith (1), S. Martin (1)

(1) McCreary Centre Society Canada

Community gardens and health promotion: an experience in basic health units in Embu das Artes, SP, Brazil

C.G.A. Costa (1), S.M. Ribeiro (1), M.T. Garcia (1), C.M. Bógus (1), H.A.W. Watanabe (1)

(1) Public Health Faculty, University of São Paulo Brazil

Coffee break: 15:30 – 16:00

WED

**27/09 14:00 - 15:30 PARALLEL SESSION
(ABSTRACTS)**

PS3.5 Healthy urban planning, measurement and metrics, data and research

Liveability & Healthy urban design

Room: Sofia C2B

Chair: Eugenie Birch, University of Pennsylvania, USA

Measuring and enhancing the liveability of regional cities: advancing the new urban agenda beyond the metropolis

I.M. Butterworth (1).

(1) Victorian Department of Health and Human Services Australia

Living Liveable? RESIDE's evaluation of the Liveable Neighbourhoods planning policy on the health and wellbeing of residents

P. Hooper (1), S. Foster (2), M. Knuiman (1), B. Giles-Corti (2)

(1) The University of Western Australia Australia, (2) RMIT University, Melbourne Australia

The WHO housing and health guidelines

N. Roebbel (1), C. Dora (1)

(1) Department of Public Health, Environmental and Social Determinants of Health, World Health Organization Switzerland

Associations between area-level spatial measures of housing with selected health and wellbeing behaviours and outcomes in an urban context

H. Badland (1), S. Foster (1), R. Bentley (2), C. Pettit (3), B. Giles-Corti (1)

(1) RMIT University Australia, (2) The University of Melbourne Australia, (3) University of New South Wales Australia

Urban environment and public health: pluses or minuses?(with special reference to Russia)

S.M. Malkhazova (1).

(1) Lomonosov Moscow State University Russia

Coffee break: 15:30 – 16:00

WED

**27/09 14:00 - 15:30 PARALLEL SESSION
(ABSTRACTS)**

CH3.6 Culture of Health - Session 1

Developing Measures and Research Methods useful for assessing multiple Culture of Health-related outcomes

Room: Almedina C2D

Chair: Margaret Hamburg, National Academy of Medicine, USA

Web-based Public Participation GIS platforms to support rehabilitation processes of urban riparian landscapes and health and well-being outcomes

X. Garcia (1), M. Benages-Albert (1), C. Mendoza-Arroyo (1), A. Ribas (2), P. Vall-Casas (1)

(1) Universitat Internacional de Catalunya, Carrer Immaculada 22, 08017 Barcelona Spain, (2) Departament de Geografia, Institut de Medi Ambient, Universitat de Girona, Pl. Ferrater i Mora, 1, 17071 Girona Spain

New approaches to identify effective urban policies for better quality of life

L. Fajersztajn (1,2), P. Saldiva (1,2)

(1) Institute of Advanced Studies, University of São Paulo Brazil, (2) Laboratory of Experimental Air Pollution (LIM05), Department of Pathology, School of Medicine University of São Paul Brazil

An environmental health typology for megacities: subsidies for sustainable metropolitan planning

N.C. Maria (1), A.R. Sousa (1), L.L. Giatti (1), A.D. Slovic (1)

(1) Faculdade de Saúde Pública (USP) Brazil

Issues arising from multi-scale analysis of urban deprivation indices

A. Cebrecos (1), M.F. Domínguez-Berjón (2), I. Duque (3), O. Klein (4), R. Valiente (1), M. Franco (1,5), F. Escobar (1)

(1) University of Alcala Spain, (2) Madrid Regional Health Authority Spain, (3) Statistics National Institute Spain, (4) Luxembourg Institute of Socio-Economic Research Luxembourg, (5) Johns Hopkins Bloomberg School of Public Health USA

Public health monitor Utrecht: a vivid and interactive tool to monitor public health and address health inequities in a broad local setting

H. Schreurs (1), E. Mulder (1), M. Beijersbergen (1), E. Dekker (1)

(1) Municipality of Utrecht The Netherlands

Coffee break: 15:30 – 16:00

WED

**27/09 14:00 - 15:30 PARALLEL SESSION
(ABSTRACTS)**

PS3.7 Environmental Health and Urban Sustainability
Air pollution and health risk

Room: Terceira C1B

Chair: Lidia Morawska, Queensland University of Technology,
Australia

Exploring environmental justice in Madrid City: air pollution, respiratory mortality and sociodemographic groups.

M.E. Prieto-Flores (1), D. Gómez-Barroso (2), R. Cañada Torrecilla (3), A. Moreno Jiménez (3)
(1) National University of Distance Education (UNED) Spain, (2) CIBERESP, National Center of Epidemiology, Carlos III Institute of Health Spain, (3) Autonomous University of Madrid Spain

Is the air we breathe while sleeping conditioning our sleep quality?

N. Canha (1,2), J. Lage (1), J. Belo (3), C. Viegas (3), T. Faria (1,3), S. Cabo Verde (1), M. Meira e Cruz (1), C. Alves (2), S.M. Almeida (1)
(1) Instituto Superior Técnico, Universidade de Lisboa Portugal, (2) University of Aveiro Portugal, (3) Escola Superior de Tecnologia da Saúde de Lisboa, ESTeSL, Instituto Politécnico de Lisboa Portugal, (4) Portuguese Association of Chronobiology and Sleep Medicine Portugal, (5) Cardiovascular Center of Lisbon University Portugal

Determinants of variation in urban air pollution: a global analysis of cities in the Sustainable Healthy Urban Environments (SHUE) database

J. Milner (1), J. Taylor (2), M. Davies (2), A. Haines (1), P. Wilkinson (1)
(1) London School of Hygiene & Tropical Medicine UK, (2) University College London UK

Risk Assessment of Airborne Particulate Matter

N.A. Cano (1), C.E. Zapata Sánchez (1), A. Mueller (2)
(1) Universidad Nacional de Colombia – Sede Medellín – Facultad de Minas – Departamento de Geociencia y Medio Ambiente Colombia, (2) Helmholtz-Centre for Environmental Research UFZ-Leipzig, Department of Molecular Systems Biology Germany

Air Pollution, Determinants and Diseases: An Assessment of Urban Health in Kolkata

S. Haque (1), R.B. Singh (1)
(1) University of Delhi India

Health risk study due to air pollution with integration of AIRQ+, software tool

A. Kumar (1), R.K. Mishra (1)
(1) Delhi Technological University India

Coffee break: 15:30 – 16:00

WED

**27/09 14:00 - 15:30 PARALLEL SESSION
(ABSTRACTS)**

PS3.8 Health Care in Cities: Access, Services and Quality
Challenges to urban healthcare systems

Room: Peninsular P0

Chair: Jo Ivey Boufford, President, New York Academy of Medicine

Making the best from the worst: A factual decision support for urban healthcare system in emergency response

M.S. Uddin (1), P. Warnitchai (1)

(1) Asian Institute of Technology Thailand

How intensive is the healthcare services of the industrial workers in the slums of West Bengal, India?

S. Banerjee (1), K. Goswami (1)

(1) Research Scholar of Indian Institute of Technology Kharagpur India, (2) Associate Professor of Indian Institute of Technology Kharagpur India

Social Investments and Long Term Care in China - The example of Wenzhou

V. Bougioukos (1), J. Lin (1), Y. Jin (1), S. Wei (1), Z. Shen (1), Z. Jingxin (1), R. Stuart (1)

(1) Wenzhou-Kean China

Immunization, urbanization and slums - a systematic review of factors and interventions.

T.O. Crocker-Buque (1), G. Mindra (2), R. Duncan (2), S. Mounier-Jack (1)

(1) London School of Hygiene and Tropical Medicine UK, (2) Programme Division, UNICEF USA

Innovative platforms of delivering primary healthcare services for urban poor in India

A. Sharma (1), S. Soni (1), P. Goel (1), H. Bhushan (1)

(1) National Health Systems Resource Center India

Perceptions and uses of public and private healthcare in a Brazilian favela

D. Castiglione (1), G. Lovasi (2), M. Carvalho (1)

(1) Oswaldo Cruz Foundation Brazil, (2) Drexel University, USA

Coffee break: 15:30 – 16:00

WED

27/09 14:00 - 15:30 PARALLEL SESSION

PS3.9 PRE-FORMED PANEL

**Situating Health Interventions in Diverse Urban Communities:
Feasibility, Modifications, and Content**

Room: Conventual C1D

Chair: Gerald Bloom, Co-convenor of the Health and Nutrition
Cluster, Institute of Development Studies, UK

This pre-formed panel will discuss the importance of place in designing, adapting and delivering community-based interventions to prevent or manage disease and promote healthy outcomes. Evidence based public health interventions when translated to diverse urban spaces and/or across international boundaries require modifications in order to make them feasible, linguistically appropriate, effective and relevant to the environmental conditions of the community, even when its aim is fidelity to focus, target population, and content. Presenters will identify and discuss the challenges experienced in delivering evidence based and manualized interventions in diverse urban spaces. The panel is designed to be interactive, encouraging active discussion and exchanges on intervention design, strategies and outcomes from audience participants.

SPEAKERS

Elena Bastida, Department of Health Promotion and Disease Prevention , Robert Stempel College of Public Health & Social Work, Florida International University, Miami, FL, USA

Mario de la Rosa, School of Social Work and Department of Health Promotion and Disease Prevention, Robert Stempel College of Public Health and Social Work, Florida International University, Miami, FL, USA

Patria Rojas, Department of Health Promotion and Disease Prevention, Robert Stempel College of Public Health & Social Work, Florida International University, Miami, FL, USA

Jessy G. Dévieux, Department of Health Promotion and Disease Prevention, Robert Stempel College of Public Health & Social Work, Florida International University, Miami, FL, USA

Coffee break: 15:30 – 16:00

WED

**27/09 14:00 - 15:30 PARALLEL SESSION
(ABSTRACTS)**

**PS3.10 Understanding and Addressing Demographic,
Epidemiological and Societal Changes in Cities**
Health and wellbeing in the urban elderly

Room: Inês de Castro C1E

Chair: Mark Rosenberg, Queen's University, Canada

Life satisfaction among lower income elderly living in urban area

C.T. Vaz (1,2), A.P. Fernandes (1,2), A.C.S. Andrade (1,2), D.A.S. Costa (1,2), C.C. Xavier (1), F.A. Proietti (1), A.A.L. Friche (1,2), W.T. Caiffa (1,2)

(1) Belo Horizonte Observatory for Urban Health Brazil, (2) Federal University of Minas Gerais Brazil

Analyzing the factors affecting older people's relocation in urban Beijing, China

Y. Cheng (1), S.Y. Gao (1)

(1) Beijing Normal University China

Negative self-rated health among the elderly in urban areas with different levels of economic well-being: A study of six LMICs using SAGE data

P. Arokiasamy (1), M. Chaudhary (1)

(1) Tata Institute of Social Sciences India

Temporal and spatial trends in elderly hospitalization: comparing slums and formal city - BH Viva Project

C.T. Vaz (1,2), R.B.D.M. Marinho (1,2), A.P.R. Ceolin (1,2), M.A.S. Dias (1,2), A.A.L. Friche (1,2), W.T. Caiaffa (1,2)

(1) Belo Horizonte Observatory for Urban Health Brazil, (2) Federal University of Minas Gerais Brazil

Association of handgrip strength and multi-morbidity among older-adults: A study of urban cities from six LMICs using SAGE data

P. Arokiasamy (1), M. Chaudhary (1)

(1) Tata Institute of Social Sciences India

Age-friendly communities: Sacrificing some good ideas for perfection or sacrificing perfection for some good ideas?

M.W. Rosenberg (1), R. Walker (2), K. Wilson (3)

(1) Queen's University Canada, (2) University of Saskatchewan Canada, (3) University of Toronto Mississauga Canada

Coffee break: 15:30 – 16:00

WED

**27/09 14:00 - 15:30 PARALLEL SESSION
(ABSTRACTS)**

PS3.11 Urban Governance and Equity-oriented Policies
Legal and policy frameworks for improving urban health

Room: D. Pedro C1F

Chair: Arlindo Phillippi, University of São Paulo, Brazil

How to tackle social inequalities in health in urban areas through political action on green spaces: a research protocol on the Health in All Policies approach concerning green spaces in the French Healthy Cities network

M.P. Porcherie (1,2), J.P. Pommier (1,2), Z.V. Vaillant (3), Z.H. Héritage (4), J.S. Simos (5), S.R. Rican (3), A.R.L. Roué La Gall (1,2), L.C. Cambon (1,2), E.V. Vidalès (4), N.C. Cantorreggi (5)
(1) Ecole des Hautes Etudes en Santé Publique France, (2) CRAPE-Arènes, UMR CNRS 6051, Rennes 1 France, (3) Université de Nanterre Paris Ouest France, (4) Réseau Français des Villes Santé de l'OMS France, (5) Université de Genève Switzerland, (6) Université de Laval Canada

Creating Healthy Cities: Global Governance for Local Laws and Policies

S.A. Roache (1), K.E. O Cathaoir (1)
(1) Georgetown University USA

Urban Governance from below: does urban regeneration promote co-production? Area-based policies and residents' trust on professionals

C. Mateos (1), C.J. Navarro (1), M.J. Rodríguez (1), M.R. Herrera (1)
(1) Center for Urban Political Sociology and Policies Spain

Sources of intrinsic and internalized extrinsic motivation for community health workers in implementation of public health programmes in informal settlements of Mumbai, India: A qualitative study

A. Jayaraman (1), N. Shaikh (1), T. Ghosal (1), S. Pantvaidya (1), A. Fernandez (1)
(1) SNEHA (Society for Nutrition, Education and Health Action) India

Improving urban health system resiliency in response to environmental and economic stressors

S. Saxena (1), L. Mize (1), J-J. Frere (1), M. Arthur (1), E. Adelman (1), V. Zlidar (1)
(1) United States Agency for International Development USA

Coffee break: 15:30 – 16:00

WED

27/09 16:00 - 17:30 PLENARY 3

PL3 URBAN GOVERNANCE AND EQUITY-ORIENTED POLICIES

Room: Main Auditorium

Effective local government is essential to creating and implementing more inclusive and effective policies for sustainable urban development and health equity. One of the critical requirements of effective government is the ability to engage the multiple stakeholders within and across sectors of government, organizations of civil society and communities themselves to align their work towards a mode of “governance” to promote health equity across urban populations. The panel will discuss models that work and challenges to successful inclusive governance.

CHAIR

Marcus Grant

Advisor to WHO Healthy Cities Programme; Director of SHINE; Bristol Health Partners, UK

PANELLISTS

Jason Corburn

Associate Professor of City & Regional Planning, University of California at Berkeley, USA

David Grossman

Director of Global Program Management, International City Managers Association, USA

Susan Parnell

Professor of Urban Geography and co-founder of the African Centre for Cities at the University of Cape Town, South Africa

Ricardo Baptista e Leite

City Councillor of Cascais Municipality, Portugal

break: 17:30 – 17:40

WED

27/09 17:40 - 19:10 PARALLEL SESSION

PS4.1 PRE-FORMED PANEL

The state of the art of urban governance to promote health equity: a follow-up to the 2016 WHO Global Report on Urban Health

Room: Main Auditorium

Chair: Jo Ivey Boufford, President, New York Academy of Medicine

This panel will address the conference theme of “Urban governance and equity-oriented policies”. With its strong focus on equity, it speaks to the core of both the New Urban Agenda and the Sustainable Development Goals. This is a follow-up to the launch of the 2nd WHO Global Report on Urban Health at last year’s ICUH. The expert panellists, who contributed to the Global Report, will discuss various aspects of urban governance, from effective governance strategies to monitoring and benchmarking, with a view toward advancing research and practice concerning urban governance strategies that have demonstrable impact on health equity.

DISCUSSANTS/SPEAKERS

Megumi Rosenberg, Technical Officer, WHO Centre for Health Development

Jason Corburn, Professor, University of California Berkeley & Director, Institute of Urban & Regional Development, Center for Global Healthy Cities

Tolu Oni, Senior Research Medical Officer, Institute of Infectious Disease and Molecular Medicine, University of Cape Town

José Siri, Research Fellow in Urban Health, United Nations University International Institute for Global Health

Billie Giles-Corti, Distinguished Professor & Director, Urban Futures Enabling Capability Platform, RMIT University

WED

27/09 17:40 - 19:10 PARALLEL SESSION

PS4.2 PRE-FORMED PANEL

Urban health in Latin America and the Caribbean: promoting research and evidence-based policy through the LAC-Urban Health network

Room: Mondego C2A

Chair: Ana Diez Roux, Drexel University, USA

LAC is unique in having attained a high level of urbanization (~80%) far more quickly and with less resources than other highly-developed regions. LAC thus faces unique urban health challenges, and has responded with transformative innovation. The LAC-Urban Health research network aims to build new linkages among LAC researchers and with global knowledge and policy networks; to better understand how urban policies affect urban health; to promote increased research funding; and to derive lessons of value to other regions facing rapid urbanization. This panel features researchers from LAC-Urban Health to report on new initiatives and findings from the region.

SPEAKERS

Ana Diez Roux, Drexel University Dornsife School of Public Health: *A major new Wellcome Trust-funded urban health research initiative in Latin America*

Martha Barata, Instituto Oswaldo Cruz: *Managing Climate Change Threats to Human Health in Cities - case study of the city of Rio de Janeiro*

Waleska Caiaffa, Observatory for Urban Health in Belo Horizonte (OSUBH): *Monitoring the implementation of the Programa Vida no Trânsito in 31 Brazilian cities: from local to federal*

Thiago Hérick de Sá, World Health Organization: *Enabling the health sector to lead the urban transformation*

Eliana Martinez Herrera, Universidad de Antioquía: *Moving beyond the concept into the metrics: a technical perspective from building community and political decision for enhancing healthy citizen capacities in Medellin 2012 -2015.*

Anne-Dorotheé Slovic, Universidade de São Paulo: *Assessing local understanding of the health effects of air pollution exposure while commuting to work: a São Paulo survey*

WED

27/09 17:40 - 19:10 PARALLEL SESSION

PS4.3 PRE-FORMED PANEL

**Realising the Potential of Workplaces to shape Healthy Cities:
The Role of Employers in Urban Health**

Room: Aeminium C1A2

Chair: K Srinath Reddy, President, Public Health Foundation of India

With the global labour force set to increase to 3.5 billion by 2030, there is an unprecedented opportunity to harness the transformative power of workplaces as an effective setting to prevent and manage NCDs. The session will highlight relevant approaches to catalyse efforts by employers, local authorities, and national governments worldwide to promote and protect the health of their workforces, presenting evidence, potential solutions, and concrete examples of good practice. Panellists will explore the significance of workplace wellness within the post-2015 development agenda, define the investment case for implementing workplace wellness initiatives, and demonstrate the essential nature of a cross-sectoral approach.

SPEAKERS

Faten Ben Abdelaziz, Coordinator of Health Promotion, World Health Organization (Switzerland) – ‘Health in the Post-2015 Development Agenda: Leveraging Workplaces for a Healthy Future for All’

Trevor Hassell, President of the Healthy Caribbean Coalition, Government of Barbados, Special Envoy on NCDs and Chairman of the National NCD Commission (Barbados) – ‘Promoting and Creating an Enabling Environment for Healthy Behaviours at Work: Opportunities for City Leaders to Act’

Katy Cooper, Independent Consultant (UK) – ‘A Review of Workplace Health Initiatives: Successes and Challenges’

Roberta Bosurgi, Head of Urban Health Initiative, Novartis Foundation (Switzerland) – ‘Investing in a Healthy Workplace: A Cost-Effective Strategy for Businesses to Contribute to the NCD Fight’

Adriana Ignea, Revenue Authority & Ghana Network Services (Ghana) - Case study of GIZ supported Workplace program in Ghana; focusing on aspects including multi-disciplinary engagement, public-private partnerships, sustainability, and integration of the insurance sector.

WED

**27/09 17:40 - 19:10 PARALLEL SESSION
(ABSTRACTS)**

PS4.4 Healthy urban planning, measurement and metrics, data and research

Spatial planning, technology & modelling for urban health

Room: Aeminium C1A4

Chair: Gérard Salem, University of Paris Ouest, France

The use of 3D CFD modelling to predict the air flow patterns and temperature profiles in a traditional covered walkway for sustainable urban design guidelines under arid conditions

L. Khelifi (1), R. Bensalem (2), M. Ouali (2), R. Bellatreche (2)

(1) Unité de Développement des Équipements Solaires, UDES, Centre de Développement des Energies Renouvelables, Algeria, (2) University of Saad Dahleb Blida 1, Department of Renewable energy, Blida Algeria

Integrating Socio-cognitive Dimension in Urban Management Tools: Perceived Access to Favorite Urban Places in Tipaza, Algeria

S. Khettab (1), S. Kentache (1), N. Chabbi-Chemrouk (1)

(1) Ecole d'Architecture et d'Urbanisme Algeria

Mapping the urban areas in Morocco using Landsat 8 Data

N. FATHI (1).

(1) CADI AYYAD Morocco

Material flow analysis as decision support tool for the expansion of sanitation infrastructure - the case of Maputo, Mozambique

I. Câmara Salim (1), A. Marques Arsénio (2), M. Hu (1), R. Scheidegger (3), N.P. Matsinhe (4), L.C. Rietveld (1)

(1) Leiden University The Netherlands, (2) Delft University of Technology The Netherlands, (3) EAWAG Switzerland, (4) Universidade Eduardo Mondlane Mozambique

Using satellite imagery to measure shared living space area, population density and their effect on disease risk in informal communities

T. Sumner (1), J. Knee (1), J. Brown (1)

(1) Georgia Institute of Technology USA

Optimising blood donations in Portugal mainland using modelling and spatial analysis

D. Figueiredo (1), M. Marques (2), S. Baía (3), J. Rocha (1)

(1) Instituto de Geografia e Ordenamento do Território Portugal, (2) Mapidea, Lda. Portugal, (3) Instituto Português do Sangue e Transplantação Portugal

WED

**27/09 17:40 - 19:10 PARALLEL SESSION
(ABSTRACTS)**

PS4.5 Healthy urban planning, measurement and metrics, data and research

Urban environments, physical activity & transportation

Room: Sofia C2B

Chair: Eugenie Birch, University of Pennsylvania, USA

Travel time using bicycle in 2004 and car in 2017 in Tianjin, China

J.K. Zacharias (1), Q. Sheng (2)

(1) Peking University China, (2) Beijing Jiaotong University China

Does urban design affects health and wellbeing? A walkability analysis on different neighbourhood patterns in Leon, Mexico

V. Barquero-DiazBarriga (1), E. Giorgi (2)

(1) Escuela de Arquitectura y Diseño, División de Ingeniería y Arquitectura, Instituto Tecnológico y de Estudios Superiores de Monterrey, Campus León Mexico, (2) China Laboratory for Architecture and Urban Studies, Department of Civil Engineering and Architecture, University of Pavia Italy

Assessing health impacts of transportation congestion management measures in urban areas

Y.M. Hayeri (1), L. Vinsel (1)

(1) Stevens Institute of Technology USA

The smart study: creating active urban communities by citizen and community engagement through ubiquitous tools

T.R. Katapally (1)

(1) University of Regina Canada

The contribution of public space to active aging in the city of Porto - Portugal: from perception to reality

A. Monteiro (1), M. Saraiva (1), T. Marques (1)

(1) Faculty of Arts of the University of Porto Portugal

WED

**27/09 17:40 - 19:10 PARALLEL SESSION
(ABSTRACTS)**

PS4.6 Environmental Health and Urban Sustainability
Sanitation systems and urban health

Room: Almedina C2D

Chair: Blessing Mberu, African Population and Health Research
Center, Nairobi, Kenya

Arsenic release, subsequent water toxicity and associated public health risks in lower Indus region of Sindh Province in Pakistan

A. Shahab (1), Q. Shihua (1)

(1) China University of Geosciences Wuhan China

A combined approach to the study of water-related diseases in children from urban areas: the case of Dakar (Senegal)

I. Rautu (1), S. Dos Santos (2), B. Schoumaker (1), J-Y. Le Hesran (2)

(1) Université catholique de Louvain Belgium, (2) Institut de Recherche pour le Développement France

Water conflicts, governance and sustainability in Rio de Janeiro: global demands, regional challenges and urban responses

D. Alcantara (1)

(1) Universidade Federal Rural do Rio de Janeiro Brazil

Strategical approach for social and economic animation of 110,000 inhabitants and training of 221 artisans about urban sanitation for the improvement of household health in Mahajanga (Madagascar).

M. Barth (1,2), C. Sicard (3,5), M. Rakotondrasolo (3), A. Ramaroson (5)

(1) Université de Strasbourg France, (2) Université Catholique d'Anger France, (3) Programme Solidarité -Eau pS-Eau France, (4) Partenariat Français pour le Ville et les Territoires PNFVT France, (5) F3E France

Antimicrobial resistance in dense, low-income neighborhoods: the role of sanitation in AMR gene dispersion

D.M. Berendes (1), D. Holcomb (2), J. Knee (1), T. Sumner (1), R. Nala (3), J. Brown (1)

(1) Georgia Institute of Technology USA, (2) University of North Carolina USA, (3) Ministerio da Saude Mozambique

Sanitation improvement at household scale and measure of its effects on infectious risk, in an underprivileged urban area in Mahajanga town (Madagascar)

P. Handschumacher (1), S. Boutouaba-Combes (2), C. Sicard (3), M. Rakotondrasolo (4)

(1) IRD (French Research Institute for Development) France, (2) University of Marseille France, (3) IRCOD France, (4) IRCOD Madagascar

WED

**27/09 17:40 - 19:10 PARALLEL SESSION
(ABSTRACTS)**

PS4.7 Environmental Health and Urban Sustainability
Effects of Heat and Cold on Mortality and Health

Room: Terceira C1B

Chair: Lidia Morawska, Queensland University of Technology,
Australia

Effect of ambient temperatures on hospital admissions in Spain

E. Martínez-Solanas (1), X. Basagaña (1)

(1) ISGlobal, Centre for Research in Environmental Epidemiology (CREAL) Spain

**Comparative study of cold related mortality in three European capital cities:
Athens, Lisbon and London**

R. Almendra (1), P. Santana (1), G. Silva (3), C. Mitsakou (2), C. Heaviside (2), S. Dimitroulopoulou (2), E. Samoli (4), S. Rodopoulou (4), K. Katsouyanni (4), S. Vardoulakis (2)

(1) Centre of Studies on Geography and Spatial Planning, University of Coimbra Portugal, (2) Public Health England UK, (3) CEAUL and Department of Mathematics-IST Universidade de Lisboa Portugal, (4) National and Kapodistrian University of Athens Greece

**Characteristics of prolonged heat to temperature-mortality relationship in
sub-tropical high-density cities**

H.C. Ho (1), K.K.L. Lau (1), C. Ren (1), E. Ng (1)

(1) The Chinese University of Hong Kong Hong Kong

**Attributing human mortality during extreme heat waves to anthropogenic
climate change**

C. Heaviside (1), D. Mitchell (2,6), S. Vardoulakis (1), C. Huntingford (3), G. Masato (4), B. Guillod (2), P. Frumhoff (5), A. Bowery (2), D. Wallom (2), M. Allen (2)

(1) Public Health England UK, (2) University of Oxford UK, (3) Centre for Ecology and Hydrology UK, (4) University of Reading UK, (5) Union of Concerned Scientists USA, (6) University of Bristol UK

Mortality from heat and cold waves in India: An exploratory analysis

P. Guin (1,2), N. Bhan (1)

(1) Public Health Foundation of India India, (2) Centre for Environmental Health India

WED

**27/09 17:40 - 19:10 PARALLEL SESSION
(ABSTRACTS)**

**PS4.8 Understanding and Addressing Demographic,
Epidemiological and Societal Changes in Cities**
Understanding variations in urban health and health equity

Room: Peninsular P0

Chair: Thomas Krafft, Maastricht University, Netherlands

Do metropolitan european regions act on the health consequences of the financial crisis? A case-study of avoidable mortality (1999 - 2013).

Q.M. Tenailleau (1), C. Squiban (1), C. Costa (2), P. Santana (2), S. Rican (1)

(1) Laboratory LADYSS UMR 7533 CNRS – Université de Paris Ouest, Nanterre, La défense France, (2) Center of Study on Geography and Spatial Planning, university of Coimbra Portugal

What causes differences in life expectancy and healthy life years in the EU

V. Buldas (1)

(1) University of Tartu Estonia

Health related urban well-being and Environmental Justice. Results from Hamburg.

M. von Szombathely (1), J. Osenbruegge (1), B. Bechtel (1), M. Albrecht (1)

(1) University of Hamburg Germany

Volunteered geographic information for healthy cities

B. Bechtel (1), M. Albrecht (1), D. Bade (1), J. Böhner (1), D. Fenner (2), J. Honisch (1), T. Kraft (1), J. Oßenbrügge (1), M. von Szombathely (1), W. Maalej (1)

(1) Universität Hamburg Germany, (2) Technische Universität Berlin Germany

The spatiotemporal analysis of urban public health in Russia

N.V. Shartova (1), T.V. Vatlina (2), S.M. Malkhazova (1)

(1) Lomonosov Moscow State University Russia, (2) Smolensk University Russia

WED

**27/09 17:40 - 19:10 PARALLEL SESSION
(ABSTRACTS)**

CH4.9 Culture of Health - Session 2

Addressing policies, practices and systems changes that create inequities and real or perceived barriers for older persons

Room: Conventual C1D

Chair: Susan Mende, Robert Wood Johnson Foundation, USA

Attractive public spaces in active and healthy aging. The case of the Terán traditional public marketplace

D. Sánchez González (1), M.B. Cortés-Topete (2)

(1) Universidad Autónoma de Madrid Spain, (2) Universidad Autónoma de Aguascalientes Mexico

The physical environment of the neighborhood in the performance of advanced activities of daily living in Chilean older adults: facility and barriers

X. Cea-Nettig (1), M.O. Moya (2), M. Canales (3), E. Arcos (4)

(1) Universidad Andres Bello Facultad de Enfermeria Chile, (2) INTA Universidad de Chile Chile, (3) Universidad Andres Bello Facultad de Enfermeria Chile, (4) Universidad Andres Bello Facultad de Enfermeria Chile

Promoting age and dementia friendly cities according to assessment data

T. Ojima (1), M. Rosenberg (2), S. Horii (3), Y. Yokoyama (4), J. Aida (5), Y. Miyaguni (6), Y. Shobugawa (7), M. Saito (4), N. Kondo (8), K. Kondo (6,9)

(1) Hamamatsu University School of Medicine Japan, (2) World Health Organization Kobe Center Japan, (3) National Institute of Public Health Japan, (4) Nihon Fukushi University Japan, (5) Tohoku University Japan, (6) Chiba University Japan, (7) Niigata University Japan, (8) University of Tokyo Japan, (9) Center for Gerontology and Social Science Japan

Urban-rural differences in bus use among the elderly in China: the role of built and social environmental factors

Y. Zhang (1), C-Y. Li (1), Q. He (1)

(1) Shanghai Jiao Tong University China

WED

**27/09 17:40 - 19:10 PARALLEL SESSION
(ABSTRACTS)**

**PS4.10 Understanding and Addressing Demographic,
Epidemiological and Societal Changes in Cities**
Mental health effects of the urban environment

Room: Inês de Castro C1E

Chair: Arpana Verma, University of Manchester, UK

The effect of individual and neighbourhood characteristics on the mental health of the Lisbon Region population (Portugal) in a period of economic crisis

A. Loureiro (1), R. Almendra (1), C. Nunes (2), P. Santana (1)

(1) Centre of Studies on Geography and Spatial Planning and Department of Geography and Tourism, University of Coimbra Portugal, (2) Centre for Public Health Research and National School of Public Health, Universidade Nova de Lisboa Portugal

Mental health and substance use among an urban Indigenous population in Toronto, Canada

M. Firestone (1), E. Mew (1), S. Wolfe (2), J. Smylie (1), R. Monchalin (3)

(1) Well Living House, Centre for Urban Health Solutions, St. Michael's Hospital Canada, (2) Seventh Generation Midwives Toronto Canada, (3) University of Toronto, Canada

Mental health conditions among adolescents living in the slums of Lucknow city. A cross-sectional study

S. Chauhan (1), M. Dhar (1)

(1) International Institute for Population Sciences India

Promoting mental well being in the ageing urban population: determinants, interventions and policies in European cities (MINDMAP)

F.J. van Lenthe (1)

(1) Erasmus MC Rotterdam The Netherlands

Transitioning from university to professional practice: interdisciplinary mental health professional development academy

S. Roach (1), S. Haley (1), J. Wisdom (1)

(1) City University of New York USA, (2) Center for Innovation in Mental Health USA

WED

**27/09 17:40 - 19:10 PARALLEL SESSION
(ABSTRACTS)**

PS4.11 Urban Governance and Equity-oriented Policies
Multisectoral policies & initiatives to improve health

Room: D. Pedro C1F

Chair: Arlindo Phillippi, University of São Paulo, Brazil

Urban Health and Development - Policies and Initiatives with Multi Sectoral Approach In India

U. Somayajulu (1)

(1) Sigma Research and Consulting India

Health in All Policies: what do we know so far? A systematic literature review

V. Pukinaite (1), G. Santinha (1,2), T. Carvalho (1,3)

(1) Mykolas Romeris University Lithuania, (2) University of Aveiro Portugal, (3) University of Aveiro Portugal

Theme Cities for health: a political social determinants of health analysis

E. de Leeuw (1,2), E. de Leeuw (3), J. Simos (1)

(1) UNSW Australia, (2) South Western Sydney Local Health District Australia, (3) Ingham Institute Australia, (4) Université de Genève Switzerland

An analysis of urban planning instruments operationalizing the setting approach of health promotion

R. Sieber (1)

(1) TU Dortmund University Germany

Sharing knowledge about successful urban health initiatives - the role of transnational city networks

M. Kroll (1)

(1) University of Cologne Germany

Spatial planning for health: an evidence resource for planning and designing healthy places

A. Pinto (1), E.L. Bird (2), J.O. Ige (2), J. Burgess-Allen (1), P. Pilkington (1)

(1) Public Health England UK, (2) University of the West of England UK

Thursday, September 28 | At-A-Glance

07:30- Registration Desk

17:00

08:00- Parallel Sessions

09:00

09:00- *Break*

09:10

09:10- Parallel Sessions

10:10

10:10- *Coffee break*

10:40

10:40- **Plenary session 4**

12:10

**Healthy Urban Planning, Measurement
and Metrics: Data and Research**

12:10- Poster sessions

13:10

12:10- *Lunch break / Tai Chi (20min)*

13:30

13:30- Parallel Sessions

15:00

15:00- *Coffee break*

15:30

THURSDAY

15:30-	Plenary session 5
17:00	Urban Health Care Systems in Cities – Access, Services and Quality
17:00-	<i>Break</i>
17:10	
17:10-	Parallel Sessions
18:40	
18:45	Social dinner

THU

28/09 08:00 - 09:00 PARALLEL SESSION

PS5.1 PRE-FORMED PANEL

Scaling for impact: A critical look at how low-cost innovations are creating healthier and resilient cities

Room: Main Auditorium

Chair: Gerald Bloom, Co-Convener Health and Nutrition Cluster,
Institute of Development Studies, UK

The United Nations projects the increase of urban populations from 3.3 to 4.9 billion worldwide by 2030. Much of that growth is slated to occur in cities of the developing world. This has huge implications on how established and new cities in these countries manage and plan for the health of their populations. New models of urban healthcare increasingly involve low-cost, high-quality socially linked interventions enabling diverse populations to better access and utilise health services. This panel discussion will critically examine the evolution and approaches of urban health innovation eco-systems across 3 focus areas. Panellists will draw on their different experiences with implementing and/or analysing interventions aimed at enabling pro-poor innovations to diffuse at scale in increasingly diverse and complicated health networks.

SPEAKERS

Priya Balasubramaniam, Senior Public Health Scientist, Public Health Foundation of India

Audrey Chia, Associate Professor & Director Healthcare Leadership Programme, Business School, National University Singapore

Kristian Olsen, Medical Director, Consortia for Affordable Technologies (CAMTech), Harvard Medical School

Break: 09:00 - 09:10

THU

28/09 08:00 - 09:00 PARALLEL SESSION

PS5.2 PRE-FORMED PANEL

The long journey to urban health: linking migrants, cities, and sustainable development

Room: Mondego C2A

Chair: Inez Roosen, UNU-MERIT

Increasingly, migration patterns and policies shape urban health not only among migrants, but in their origins and destinations. Urban planning and development policies that consider migrants can lead to broad individual and societal benefits. Policies that exclude or ignore them may severely impact individual physical and mental health and the economic functioning, social integration, social trust and resilience of host and sending communities. Such policies may also widen equity gaps, further affecting health and wellbeing. In this panel, researchers from UNU-IIGH and IOM will explore connections among cities, health, and migration using case studies, policy analysis, and systems thinking frameworks.

SPEAKERS

Nicola Pocock, UNU-IIGH

Defining linkages between migration, urban health, and equity

Davide Mosca, IOM

Migration, health and urbanization: interrelated challenges

Bavo Stevens, UNU-GCM

The role of UNHCR and NGOs in shaping the well-being of refugees and asylum seekers in Bangkok, Thailand

José Siri, UNU-IIGH

Systems thinking to catalyze multi-sectoral urban partnerships on migrant health

Break: 09:00 - 09:10

THU

28/09 08:00 - 09:00 PARALLEL SESSION

PS5.3 PRE-FORMED PANEL
Healthy Aerotropoleis

Room: Aeminium C1A2

Chair: Jean Simos, Institute of Global Health, Université de Genève, and Association Genevoise pour le Développement Communautaire

Airports are seen as forms of urban agglomerations: aerotropoleis. The development of a second international airport in Sydney (Australia) creates an opportunity to consider health making dimensions of such settings. Health scholars and practitioners aim to set a global benchmark for 'Healthy Aerotropoleis'.

In this panel we will present the outcomes of a Healthy Airport Health Impact Assessment, Healthy Airport Region modeling and validation, and an assessment of an airport-dwelling community. Our conceptual progress toward this new 'Healthy Setting' merits discussion and feedback with global urban health colleagues.

SPEAKERS

Evelyne de Leeuw, Centre for Health Equity Training, Research and Evaluation CHETRE, University of New South Wales Sydney, South Western Sydney

Alana Crimeen, Centre for Health Equity Training, Research and Evaluation CHETRE, University of New South Wales Sydney, South Western Sydney

Stephen Conaty, South Western Sydney Local Health District, Division of Population Health

Break: 09:00 - 09:10

THU

**28/09 08:00 - 09:00 PARALLEL SESSION
(ABSTRACTS)**

PS5.4 Environmental Health and Urban Sustainability
Walkability and the built environment

Room: Aeminium C1A4

Chair: David Vale, University of Lisbon, Portugal

Understanding walkability among young educated Saudi women: a qualitative investigation

M.A. AlMarzooqi (1,2), A. Braunack-Mayer (2), V. Xafis (2), M.A. Mahmood (2), A. Salter (2), E.A. Gawwad (3)

(1) King Saud University Saudi Arabia, (2) The University of Adelaide Australia, (3) Alexandria University Egypt

The role of the built environment in explaining educational inequalities in walking and cycling among adults in the Netherlands

D.C. van Wijk (1,2), J.O. Groeniger (2), F.J. van Lenthe (2), C.B.M. Kamphuis (1)

(1) Utrecht University The Netherlands, (2) Erasmus University Medical Centre The Netherlands

TRACE - assessment of the potential of movement tracking services to better plan and promote walking and cycling in cities

G. Lozzi (1), P. Cancellara (1)

(1) Polis network Belgium

Measuring the walkability around the elementary schools: a case study in Nanjing, China

Z. Xu (1), L.Y. Han (2), M.B. Yang (1), L.D. Hou (1)

(1) Nanjing Forestry University China, (2) Jiangsu Second Normal University China, (3) Nanjing Forestry University China, (4) Nanjing Forestry University China

Break: 9:00 - 9:10

THU

**28/09 08:00 - 09:00 PARALLEL SESSION
(ABSTRACTS)**

PS5.5 Healthy urban planning, measurement and metrics, data and research

Tools to measure community conditions and urban health

Room: Sofia C2B

Chair: Eva Pilot, Maastricht University, Netherlands

Development of a new socioeconomic index for health research in Brazil: first approach

L.V. Barrozo (1,2), C.D.S. André (3), G.P. Rodrigues (4,2), W. Cabral-Miranda (1,2)

(1) Faculdade de Filosofia, Letras e Ciências Humanas, Universidade de São Paulo Brazil, (2) Instituto de Estudos Avançados, Universidade de São Paulo Brazil, (3) Instituto de Matemática e Estatística, Universidade de São Paulo Brazil, (4) Faculdade de Ciências Farmacêuticas, Universidade de São Paulo Brazil

A local view of informal urban environments: a mobile phone-based audit of street-level factors in a Brazilian favela

R.V. Remigio (1), G. Zulaika (2), R.S. Rabello (3), J. Bryan (4), D. Sheehan (4), M.S. Carvalho (3), A. Rundle (4), G.S. Lovasi (1)

(1) Drexel University USA, (2) Liverpool School of Tropical Medicine UK, (3) Escola Nacional de Saúde Pública (ENSP)/ Fundação Oswaldo Cruz (FIOCRUZ) Brazil, (4) Columbia University USA

The spatial physiognomy of homicides: a comparison before and after slum upgrading interventions in Belo Horizonte, Brazil

M.A. Salles Dias (1), A.A.L. Friche (1), R. Nicolino (1,2), F.M. Freire (3), D. Alves (1), W.T. Caiaffa (1)

(1) Federal University of Minas Gerais Brazil, (2) Federal University - Vale do Jequitinhonha - Minas Gerais Brazil, (3) Belo Horizonte City Hall Brazil

GridSample: A Tool to Generate Survey Sampling Areas from Gridded Population Data when Census Data is Outdated or Inaccurate

D.R. Thomson (1,2), C. Ah Poe (3), S. Regi (3), T. Bird (1,2), A.J. Tatem (1,2)

(1) University of Southampton UK, (2) Flowminder Foundation Sweden, (3) World Food Programme Italy

Break: 9:00 - 9:10

THU

**28/09 08:00 - 09:00 PARALLEL SESSION
(ABSTRACTS)**

PS5.6 Environmental Health and Urban Sustainability
Health behaviour & health conditions in communities

Room: Almedina C2D

Chair: Yonette Thomas, New York Academy of Medicine, USA

The relationships between obesity-increasing risk factors for public health, environmental impacts, and health expenditures worldwide

E.B. Abbade (1)

(1) Franciscan University Center Brazil, (2) Brazilian Enterprise of Hospital Services- EBSEH Brazil

Why is the promotion of daily walking not a priority in European cities? A review and research agenda

D.P.T.H. Christie (1,2), J. Simos (2), E. de Leeuw (3), E. Ravalet (1), V. Kaufmann (1)

(1) Ecole polytechnique federale de Lausanne Switzerland, (2) University of Geneva Switzerland, (3) University of New South Wales Australia

The INHERIT model: behaviour as a means to jointly improve health, environmental sustainability and health equity

N. van der Vliet (1), H. Kruize (1), A.J. Schuit (1), B.A.M. Staatsen (1), G.P. Morris (1)

(1) National Institute of Public Health and the Environment The Netherlands, (2) University of Exeter UK, (3) EuroHealthNet Belgium

Is smoking harmful for the labour market outcomes? Evidence from Brazil

M. Justus (1), G. Moreira (2), E. Davanzo (1), E. Sant'Anna (2)

(1) University of Campinas, Brazil, (2) University of Sao Paulo, Brazil

Break: 9:00 - 9:10

THU

**28/09 08:00 - 09:00 PARALLEL SESSION
(ABSTRACTS)**

PS5.7 Health Care in Cities: Access, Services and Quality
Health needs & care seeking behaviour

Room: Terceira C1B

Chair: Pedro Lopes Ferreira, University of Coimbra, Portugal

Determinants of Health Seeking Behavior in Pakistan: A Complex Health Survey Design

S. Rozi (1), S. Mahmud (1), G. Lancaster (2)

(1) Department of Community Health Sciences, Aga Khan University, Karachi, Pakistan Pakistan,
(2) Department of Mathematics and Statistics, Lancaster University, Lancashire, United Kingdom
UK

Health seeking behaviour and barriers to accessing eye care services among urban slum dwellers in Southern Asia

G. Trotignon (1), T. Engels (1), E. Schmidt (1), S. Mohanti (2), M. Sarker (3), G. Sadhu (4), S.B. Gillani (5)

(1) Sightsavers UK, (2) Sightsavers India, (3) BRAC University Bangladesh, (4) Indian Institute for Health Management & Research Bangladesh, (5) HEEDs Consulting Pakistan

Bringing the Cultural Scenes approach to the field of health lifestyle analysis: a descriptive study in Spanish sub-municipal areas

A.R. Zapata (1), C. Mateos (1), C.J. Navarro (1)

(1) Center for Urban Political Sociology and Policies Spain

Patient satisfaction in Portuguese primary care - new insights using geographical data

P.L. Ferreira (1,2), V. Raposo (1,2)

(1) Centre of Health Studies and Research of the University of Coimbra (CEISUC) Portugal, (2) Faculty of Economics of the University of Coimbra (FEUC) Portugal

Break: 9:00 - 9:10

THU

**28/09 08:00 - 09:00 PARALLEL SESSION
(ABSTRACTS)**

PS5.8 Health Care in Cities: Access, Services and Quality
Sexual and reproductive health

Room: Peninsular P0

Chair: Jo Boufford, The New York Academy of Medicine, USA

Anonymity issue while seeking sexual and reproductive health information on online by urban youth: Analysis of an online anonymous messaging platform

B. Aktar (1), S. Quaiyum (1), A. Siddiqui (2), S.F. Rashid (1)

(1) James P Grant School of Public Health, BRAC University Bangladesh, (2) Mayalogy Pvt. Ltd. Bangladesh

Factors associated with contraceptive choice and source of method in Kinshasa, DRC

M. Corroon (1), E. Ngamasana (1), S.L. Curtis (1)

(1) University of North Carolina at Chapel Hill USA

Determinants of current use of contraceptive methods in Nigeria: a multinomial logit model

A.O. Olaleye (1)

(1) University of Pretoria South Africa

Correlates of drug use among female sex workers in two urban centres of the Dominican Republic

R. Perez-Figueroa (1), M. Perez Mencia (2), Y. Donastorg (2), M. Halpern (3), S. Nicholas (1), B. Taylor (4), S. Amesty (1)

(1) Columbia University Medical Center USA, (2) Instituto Dermatológico y de Cirugía de Piel Dr. Huberto Bogaert Díaz Dominican Republic, (3) Clínica de Familia La Romana Dominican Republic, (4) University of Texas Health Science Center at San Antonio USA

Break: 9:00 - 9:10

THU

**28/09 08:00 - 09:00 PARALLEL SESSION
(ABSTRACTS)**

PS5.9 Health Care in Cities: Access, Services and Quality
Health care provision in urban areas

Room: Conventual C1D

Chair: Elena Rios, National Hispanic Medical Association, USA

Difference-orientation in low-threshold health care and related social services in an urban context

A. Weber (1), S. Cattacin (1), D. Domenig (1)
(1) University of Geneva Switzerland

Improved health care in cities: a citizens' engagement perspective in anambra state, Nigeria

U-V. Uzor (1), B. Christopher (1)
(1) Christian Aid Nigeria Nigeria

Reforming the delivery of primary health care in urban areas of IR. Iran

H.S. Sajadi (1), M. Mahdavi (1)
(1) National Institute of Health Research Iran

Demand and provision of eye care services among urban slum dwellers: Key findings from Bangladesh, India and Pakistan

T. Engels (1), G. Trotignon (1), E. Schmidt (1), M. Sarker (2), G. Sadhu (3), S.B. Gillani (4)
(1) Sightsavers UK, (2) BRAC University Bangladesh, (3) Indian Institute for Health Management & Research India, (4) HEEDs Consulting Pakistan

Break: 9:00 - 9:10

THU

**28/09 08:00 - 09:00 PARALLEL SESSION
(ABSTRACTS)**

PS5.10 Understanding and Addressing Demographic,
Epidemiological and Societal Changes in Cities
Health in Urbanising India: Spotlight I

Room: Inês de Castro C1E

Chair: Xerses Sidhwa, Vera Zlidar, United States Agency for
International Development, India

A study on prevalence and determinants of lifestyle diseases in urban India

R. Sapkal (1)

(1) International Institute for population Sciences India

**Domestic violence, depression, anxiety, post-traumatic stress disorder and
the suicidal tendency among women living in the urban slum of Mumbai**

S. Kanougiya (1), N. Daruwalla (1), D. Osrin (2)

(1) Sneha Mumbai India, (2) UCL UK

**An evaluative framework for assessment of multi-faceted interventions
provided by SNEHA for survivors of violence in Mumbai, India**

G. Savkur (1), N. Daruwalla (1)

(1) SNEHA India

Well Being of urban slums Elderly population in South India

T. Pugalenthil (1), P. Sangamithra (1)

(1) Annamalai University India

Break: 9:00 - 9:10

THU

**28/09 08:00 - 09:00 PARALLEL SESSION
(ABSTRACTS)**

PS5.11 Urban Governance and Equity-oriented Policies
Effects of housing policy on health and wellbeing

Room: D. Pedro C1F

Chair: Matthias Braubach, WHO European Centre for
Environmental and Health, Germany

The impact of housing policy on social mix and educational attainment in schools and neighbourhoods

O.M.E. Robison (1), A. Kearns (1), L. Gray (1), M. Henderson (1)
(1) University of Glasgow UK

Housing policies and health: an ethnographic observation held in a Brazilian public housing complex

P.V.C. Vianna (1), B. Carvalho (1)
(1) Universidade do Vale do Paraiba, UNIVAP Brazil

'I call that unstable': Men's lived experience with low-income housing conditions in Toronto, Ontario

J. Woodhall-Melnik (1,2), S. Hamilton-Wright (2), D. Poremski (4), J.R. Dunn (1,2), F.I. Matheson (2,3)
(1) McMaster University Canada, (2) St. Michael's Hospital Canada, (3) Dalla Lana School of Public Health Canada, (4) Institute of Mental Health Singapore

Health in housing policies in the Western Cape Province of South Africa: an investigation of housing policies to address infectious and non-communicable disease epidemics

A. Weimann (1), W. Smit (1), N. Kabane (2), T. Jooste (2), A. Hawkridge (2), T. Oni (1)
(1) University of Cape Town South Africa, (2) Western Cape Government South Africa

Break: 9:00 - 9:10

THU

28/09 09:10 - 10:10 PARALLEL SESSION

PS6.1 PRE-FORMED PANEL

How do we define and achieve an inclusive healthy placemaking project?

Room: Main Auditorium

Chair: Sharon Roerty, Senior Program Officer, RWJF

Practitioners, policy makers and research all work towards understanding the dynamics needed and the roles that community and other stakeholders should play when identifying, designing, or upgrading public spaces that support healthy and inclusive communities. The Robert Wood Johnson Foundation seeks to better understand how to achieve inclusive, healthy placemaking (a people-centered approach to the planning, design, and management of public spaces) by learning from global approaches that can then be applied to the United States. The purpose of this panel is to present examples of approaches to healthy placemaking from different regions of the world and share learnings among the panelists and with the audience about the opportunities and challenges of creating public spaces that promote people's health, happiness, well-being, and community cohesiveness. Moderated by Susan Roerty of the RWJF, four panelists who are active in the general area of inclusive, healthy placemaking will discuss their projects and/or research.

SPEAKERS

Syed Ayub Qutob

Urban Open Spaces for Adolescent Girls: An Assessment for Islamabad and Rawalpindi, Pakistan

Fred Kent, Founder and President, Project for Public Spaces, New York, USA

Whom does design really serve? A comparison between two different parks in Canada

Ana Maria Sperândio, Professor, University of Campinas, Brazil

Urban Resilience: The Community and Public Strength to Promote Healthy Urban Space

Break: 10:10 - 10:40

THU

28/09 09:10 - 10:10 PARALLEL SESSION

PS6.2 PRE-FORMED PANEL

Uniting for Healthy Cities: Integrated Approaches to Healthcare Delivery for HIV and NCDs

Room: Mondego C2A

Chair: K Srinath Reddy, President, Public Health Foundation of India

HIV and cancer represent two global disease burdens – one infectious, one non-communicable. Both diseases are chronic in nature and pose challenges to sustained health care, further augmented by high urban population densities. Urban environments are associated with increased exposure to risk factors for cancer, while a tailored response in cities is also essential to end AIDS as a public health threat by 2030. The New Urban Agenda and the Sustainable Development Goals mandate collaborative action across health specialties and across the whole of society as the central means through which health may be protected and promoted in urban settings.

SPEAKERS

K Srinath Reddy, President, Public Health Foundation of India

José M Zuniga, President, IAPAC & UNAIDS Special Advisor on Fast-Track Cities

Rebecca Morton-Doherty, Head, Engagement & Impact, C/Can 2025: City Cancer Challenge

Jorge Sampaio, Honorary Chair, Lisbon Fast-Track Cities Committee, and former President of Portugal

Roberta Bosurgi, Head of Urban Health Initiative, Novartis Foundation (Switzerland)

Break: 10:10 - 10:40

THU

28/09 09:10 - 10:10 PARALLEL SESSION

PS6.3 PRE-FORMED PANEL

Unlocking the Potential of Community-Driven Public/Private Partnerships (PPPs) to Reduce Harmful Alcohol Use

Room: Aeminium C1A2

Chair: Peter Anderson, Professor of Substance Abuse, Policy and Practice, Newcastle University; Professor, Alcohol and Health, Faculty of Health, Medicine and Life Sciences, Maastricht University, The Netherlands

In December 2015, AB InBev announced the Global Smart Drinking Goals (GSDG), its commitment to meaningfully contribute to the reduction of harmful alcohol use over the next decade. One of the stated goals is to reduce harmful alcohol use by at least 10% in nine cities. This panel will bring together leadership from the AB InBev Foundation, the GSDG Technical Advisory Group, and a public-private partnership in one of the nine cities [Brasilia, Brazil or Leuven, Belgium] to describe their journey towards achieving this ambitious set of goals. Emerging ideas in the architecture, as well as models for strong governance, program planning and implementation, and measurement & evaluation will be explored.

DISCUSSANTS/SPEAKERS

Westley Clark, Former Director, Center for Substance Abuse and Treatment (CSAT), U.S. Substance Abuse and Mental Health Services Administration (SAMHSA) Department of Health & Human Services (HHS), Chair, GSDG Technical Advisory Group

Leonardo Moreira, Steering Committee Member, GSDG City Pilot in Brasilia, Brazil

Scott Ratzan, President, AB InBev Foundation

Break: 10:10 - 10:40

THU

**28/09 09:10 - 10:10 PARALLEL SESSION
(ABSTRACTS)**

PS6.4 Healthy urban planning, measurement and metrics, data and research

Measuring walkability & active transportation

Room: Aeminium C1A4

Chair: David Vale, University of Lisbon, Portugal

MILANO WALKABILITY MEASUREMENT Assessment tool for evaluating cycle-pedestrian accessibility of the urban context capable to boost active transportation choices

A. Rebecchi (1), M. Buffoli (1), R. Bertani (1), S. Casarini (1), M. Dell'Ovo (1), S. Capolongo (1)
(1) Politecnico di Milano Italy

Walkability and active transport to school among Portuguese adolescents

M.P. Santos (1), D. Vale (2), J. Mota (1), T. Monteiro (1), A. Pizarro (1)
(1) University of Porto Portugal, (2) University of Lisbon Portugal

Comparison between five instruments for measuring walkability in Brazil

D.P. Almeida (1), K.C. Alberto (1)
(1) Universidade Federal de Juiz de Fora Brazil

Faria Lima's Urban Operations in São Paulo and pedestrian mobility on sidewalks

L. Moreira (1)
(1) Faculdade de Arquitetura e Urbanismo da Universidade de São Paulo Brazil

Coffee break: 10:10 - 10:40

THU

**28/09 09:10 - 10:10 PARALLEL SESSION
(ABSTRACTS)**

PS6.5 Healthy urban planning, measurement and metrics, data and research

Disadvantaged communities & urban deprivation indices

Room: Sofia C2B

Chair: Eva Pilot, Maastricht University, Netherlands

The health impact of urban regeneration programmes: does selective migration bias the findings?

A. Ruijsbroek (1), A. Wong (1), A.E. Kunst (2), H.A.M. van Oers (1,3), K. Stronks (2), C. van den Brink (1)

(1) National Institute for Public Health and the Environment (RIVM) The Netherlands, (2) Academic Medical Center (AMC), University of Amsterdam The Netherlands, (3) Tranzo, Faculty of Social Sciences, University of Tilburg The Netherlands

Are socio-economically disadvantaged communities, ill and costly? An intra-urban analysis using a spatially disaggregate methodology in the Twente Region, The Netherlands

G. Neziri (1), S. Amer (1), P.M. Carrera (1), P. Jia (1)

(1) University of Twente The Netherlands

Feasibility of survey methods aimed at better representing the urban poorest: Kathmandu, Nepal

D.T. Thomson (1), H. Elsey (2), S. Khanal (3), U. Maharjan (3), J. Hicks (2), S. Baral (3)

(1) University of Southampton UK, (2) University of Leeds UK, (3) Health Research And Social Development Forum (HERD) Nepal

Coffee break: 10:10 - 10:40

THU

**28/09 09:10 - 10:10 PARALLEL SESSION
(ABSTRACTS)**

PS6.6 Environmental Health and Urban Sustainability
Policies promoting physical activity in communities

Room: Almedina C2D

Chair: Jo Boufford, The New York Academy of Medicine, USA

The influence of context variables on the physical activity of Brazilian adolescents: National Adolescent School-based Health Survey (PeNSE)

L.C. Antonacci (1,2), D.A.S. Costa (1), D.C. Malta (3), W.T. Caiaffa (2)

(1) Fluminense Federal Institute Brazil, (2) Belo Horizonte Observatory for Urban Health/School of Medicine/Federal University of Minas Gerais Brazil, (3) Postgraduate Program of Nursing, School of Nursing, Federal University of Minas Gerais, Belo Horizonte/MG, Brazil Brazil

Built environment and physical activity of the older adults in Taiwan

N-C. Huang (1), S-F. Kung (1), S.C. Hu (1)

(1) National Cheng Kung University Taiwan

INHERIT - Lifestyle and behavioural change for a more environmentally sustainable, healthier and more equitable European future

M. Aberg Yngwe (1), I. Stegeman (1), N. van der Vliet (2), H. Kruize (2), G. Morris (3)

(1) EuroHealthNet Belgium, (2) National Institute for Public Health and the Environment (RIVM) The Netherlands, (3) University of Exeter UK

Neighbourhood social cohesion, ethnicity and physical activity in adolescents: longitudinal evidence from the ORiEL study

N. Berger (1), D. Lewis (1), E.N. Njagi (1), S. Cummins (1)

(1) London School of Hygiene and Tropical Medicine UK

Coffee break: 10:10 - 10:40

THU

**28/09 09:10 - 10:10 PARALLEL SESSION
(ABSTRACTS)**

**PS6.7 Understanding and Addressing Demographic,
Epidemiological and Societal Changes in Cities**
Socioeconomic status and health

Room: Terceira C1B

Chair: Pedro Lopes Ferreira, University of Coimbra, Portugal

**Urban poverty, status of health and wellbeing in four low and middle
income countries: a comparative study of determinants**

P.M. Mukherjee (1)

(1) Save the Children India

**Improving population and poverty estimates with citizen surveys: evidence
from East Africa**

R.A. Carr-Hill (1)

(1) UCL Institute of Education UK

**Intersection of Neighborhood Dynamics and Socioeconomic Status in
Small-Area Walkability: The Heart Healthy Hoods Project**

P. Gullón (1,4), U. Bilal (1,2), A. Cebrecos (1), H.M. Badland (3), I. Galán (4), M. Franco (1,2)

(1) Social and Cardiovascular Epidemiology Research Group. Universidad of Alcalá Spain, (2) Johns Hopkins Bloomberg School of Public Health USA, (3) Center for Urban Research. RMIT University Australia, (4) Instituto de Salud Carlos III Spain

**Trends in socioeconomic inequalities in mortality before and during the
current economic crisis**

L. Palència (1,2), M. Gotsens (1,2), M. Marí Dell'Olmo (1,2), M. Rodríguez-Sanz (1,2), C. Borrell (1,2), G. EUROHEALTHY Group (3)

(1) Agència de Salut Pública de Barcelona Spain, (2) Ciber Epidemiología y Salud Pública Spain, (3) EUROHEALTHY Goup Portugal

Coffee break: 10:10 - 10:40

THU

**28/09 09:10 - 10:10 PARALLEL SESSION
(ABSTRACTS)**

PS6.8 Environmental Health and Urban Sustainability
Vulnerability and urban health equity

Room: Peninsular P0

Chair: Marcus Grant, Bristol Health Partners, UK

Urban health dilemma's in city development

E. Mulder (1), H.J. vd Meulen (1), M. Duchatteau (2)

(1) Municipality of Urecht The Netherlands, (2) International and Subsidiary Affairs, The Netherlands

Globally distributed data for informing urban health and sustainability policy

J. Taylor (1), J. Milner (2), P. Wilkinson (2), A. Haines (2), M. Davies (1)

(1) UCL UK, (2) London School of Hygiene and Tropical Medicine UK

Has transport accessibility been equitable? Aiming for a sustainable and healthy São Paulo

A.D. Slovic (1), D.B. Tomasiello (2), M.A. Gianotti (3), A. Nardocci (4)

(1) Institute of Astronomy and Geophysics, University of Sao Paulo Brazil, (2) Polytechnic School, University of Sao Paulo Brazil, (3) Polytechnic School, University of Sao Paulo Brazil, (4) School of Public Health, University of Sao Paulo Brazil

Examining inequality and resilience in Oakland California: development of an audit tool to measure neighborhood health and well-being

T. Chitewere (1), I.H. Yen (1)

(1) San Francisco State University USA, (2) University of California, San Francisco USA

Coffee break: 10:10 - 10:40

THU

**28/09 09:10 - 10:10 PARALLEL SESSION
(ABSTRACTS)**

PS6.9 Health Care in Cities: Access, Services and Quality

Health challenges of indigenous populations in the urban environment

Room: Conventual C1D

Chair: Yonette Thomas, New York Academy of Medicine, USA

The invisible nation: urban Métis peoples and access to culturally-safe health services in Toronto, Canada

R. Monchalín (1)

(1) University of Toronto Canada

Partnership to improve Indigenous youth health outcomes in British Columbia, Canada

A. Smith (1), M. Peled (1), S. Martin (1)

(1) McCreary Centre Society Canada

Aboriginal women developing wellbeing through community vegetable garden activities on reclaimed traditional land

C. Nilson (1), C. Fetherston (1), P. Morrison (1), G. Kearing (2)

(1) Murdoch University Australia, (2) Murray Districts Aboriginal Association Australia

"I feel safe just coming here because there are other Native brothers and sisters": Findings from a community-based evaluation of the Niwin Wendaanimak Four Winds Wellness Program

M. Firestone (1,3), J. Syrette (1), T. Jourdain (1), W.E.A.A.C. West End Aboriginal Advisory Council (1)

(1) Centre for Urban Health Solutions, St. Michael's Hospital Canada, (2) Queen West Central Toronto Community Health Centre Canada, (3) University of Toronto Canada

Coffee break: 10:10 - 10:40

THU

**28/09 09:10 - 10:10 PARALLEL SESSION
(ABSTRACTS)**

PS6.10 Environmental Health and Urban Sustainability
Environmentally based public health risks & diseases

Room: Inês de Castro C1E

Chair: Arlindo Phillippi, University of São Paulo, Brazil

Burden of communicable diseases and its determinants: A study in major urban populated states of India

M.I. Sk (1), R.Y. Yadav (1)

(1) International Institute for Population Sciences India

Geographical analysis of cholera occurrence in Lagos, Nigeria

O. Babatimehin (1), A.U. Onukogu (1), O.J. Nwaezeigwe (1)

(1) Obafemi Awolowo University, Ile-Ife Nigeria

Environmental public health risks in European urban areas

C. Mitsakou (9), S. Dimitroulopoulou (9), C. Heaviside (9), K. Katsouyanni (1), E. Samoli (1), S. Rodopoulou (1), C. Claudia (2), P. Santana (2), M. Dell'Olmo (3), D. Corman (4)

(1) Department of Hygiene, Epidemiology and Medical Statistics, Medical School, National and Kapodistrian University of Athens Greece, (2) Centre of Studies on Geography and Spatial Planning, Department of Geography, University of Coimbra Portugal, (3) Agència de Salut Pública de Barcelona Spain, (4) Karolinska Institutet Sweden, (5) Consorzio per il Sistema Informativo, CSI Piemonte Italy, (6) Department of Sociology, Vrije Universiteit, Brussels Belgium, (7) Beuth-Hochschule fuer Technik Berlin Germany, (8) Faculty of Science, Charles University Czech Republic, (9) Environmental Change Department, Centre for Radiation, Chemical and Environmental Hazards, Public Health England UK

Coffee break: 10:10 - 10:40

THU

**28/09 09:10 - 10:10 PARALLEL SESSION
(ABSTRACTS)**

PS6.11 Healthy urban planning, measurement and metrics, data and research
Availability of green spaces and effects on health & mental health

Room: D. Pedro C1F

Chair: Matthias Braubach, WHO European Centre for Environmental and Health, Germany

A cross-sectional analysis of greenspace prevalence and mental wellbeing in England

V. Houlden (1), S. Weich (2), S. Jarvis (1)

(1) University of Warwick UK, (2) University of Sheffield UK

Causal pathway model between green spaces and health : levers for decision making

A. Roue Le Gall (1), F. Jabot (1), N. Lemaire (1), J. Romagon (1)

(1) Ecole des Hautes Etudes en Santé Publique France

How healthy makes us the urban green? Spatial assessment of illness frequency and green areas at neighborhood scale in Bochum and Essen, Germany

L. Inostroza (1), E. Orban (2), S. Ahmed (2), D. Amand (2), H. Zepp (1), S. Moebus (2)

(1) Ruhr-University Bochum Germany, (2) Universitätsklinikum Essen Germany

Green space quantity and mental health: Evidence on gender differences in relationships and use of work status as a proxy of exposure

L.B. Robertson (1,2), C. Ward Thompson (2), J. Roe (3), P.A. Aspinall (4), D. Miller (5)

(1) Glasgow School of Art UK, (2) University of Edinburgh UK, (3) University of Virginia USA, (4) Heriot-Watt University UK, (5) James Hutton Institute UK

Coffee break: 10:10 - 10:40

THU

28/09 10:40 - 12:10 PLENARY 4

PL4 HEALTHY URBAN PLANNING, MEASUREMENT AND METRICS, DATA, RESEARCH & EDUCATION

Room: Main Auditorium

There is increasing understanding of the importance of evidence based decision making in urban planning and management. For those seeking to advance a health agenda, evidence on the health impact of decisions in all sectors are significant. Critical challenges in creating the needed evidence include the systems to collect data, data quality and availability, and how it can best be used by public managers, policy makers and communities themselves to set realistic metrics for measuring progress towards a healthier and more equitable urban environment. Partnerships between academia and government can offer advantages in achieving a holistic understanding of health determinants and the skills needed to address them.

CHAIR

Gerard Salem

Professor of Paris Quest, France

Panellists

Billie Giles-Corti

Director Urban Futures Enabling Capability Platform, RMIT University, Melbourne, Australia

Tolullah Oni

Associate Professor & Public Health Physician Specialist, Division of Public Health Medicine, University of Cape Town

Waleska Caiaffa

Professor of Epidemiology and Public Health, Federal University of Minas Gerais School of Medicine, Belo Horizonte, Brazil

Poster session: 12:10 - 13:10

THU

28/09 12:10 - 13:10 POSTER SESSION 2

POS2 POSTER SESSION 2

Room: Cloister

- 67 Why do people use traditional healers in mental health care in Zimbabwe?**
L. Kajawu, University of Zimbabwe, Zimbabwe
- 68 Constructing ecosystem service networks based on Landscape Ecology in Chongqing, China**
H.H. Yang, Chongqing University, China
- 69 The adequacy of antenatal care services among slum residents in Addis Ababa, Ethiopia: Cross-sectional community based study**
Y.T. Bayou, University of South Africa, South Africa
- 70 Investing in skill-development on urban health inequities in the age of 'big data': Considerations for taking action in global priority populations**
N.J. Howard, University of South Australia; South Australian Health and Medical Research Institute, Australia
- 71 Community garden in university space: The approximation of individuals with the environment**
S.M. Ribeiro, University of São Paulo, Brazil
- 72 Assessing health literacy among older adults from ethnic minorities in urban healthcare settings in Japan**
Y. Aihara, Kobe City College of Nursing, Japan
- 73 Needs of age-friendly community among middle-aged and elderly in Taipei**
H.W. Kuo, National Yang-Ming University, Taiwan
- 74 Has the free maternal health policy eliminated out of pocket payments for maternal health services? views of women, health providers and insurance managers in the Kassena-Nankana Municipality, Ghana**
P.A. Dalinjong, University of Technology Sydney, Australia
- 75 Mental health in the city: the therapeutic accompaniment as a device of care and inclusion**
A. Marsillac, Federal University of Santa Catarina, Brazil
- 76 Participatory construction process of a Community Health Plan in a popular sector in Medellín's city, 2014 - 2016**
E. Martinez, University of Antioquia, Colombia
- 77 Does red card affect the utilization of delivery care by urban dwellers? An evidence from urban primary health care project (UPHCP) in Bangladesh**

Lunch break: 12:10 - 13:30 | Qi Gong: 13:10 - 13:30

THU

28/09 12:10 - 13:10 POSTER SESSION 2

S. Mizan, University of Malaysia Sarawak, Malaysia

78 Particulate air pollution and noise exposure during commuting in Lagos, Nigeria

E.O.O. Okokon, National Institute for Health and Welfare, Finland

79 Community outreach for chronic kidney disease prevention from Shanghai to New York

P. Hoyt-Hudson, The Rogosin Institute, USA

80 Improving community engagement in aerotropolis development to promote health

A. Crimeen, University of New South Wales Sydney, Australia

81 Integrating health into planning: A collaborative approach to creating healthier spaces

A. Crimeen, University of New South Wales Sydney, Australia

82 An evaluation on new public spaces policies in Tehran from mental health point of view

E. Ranjbar, Tarbiat Modares University, Iran

83 Health disparities for the most vulnerable: Maternal and newborn health among Nepal's urban poor

B. Ban, Save the Children, Nepal

84 Quantifying the social costs of health impacts from urban housing developments

E. Eaton, University of Bath, UK

85 Effectiveness of community-based management of acute child malnutrition in urban informal settlements of Mumbai, India: A cohort study

A. Jayaraman, Society for Nutrition, Education & Health Action, India

86 A method for the environmental and financial cost assessment of hospital buildings in the early design stage

M. Stevanovic, KU Leuven Belgium; VK Studio Architects, Planners & Designers, Belgium

87 Urban sprawl and mortalities related to physical inactivity in a Brazilian metropolitan area

L.V. Barrozo, University of São Paulo, Brazil

88 The health of high density housing policy in Australia

S. Foster, RMIT University Australia; University of Western, Australia

89 Assessing of atmospheric pollutants dispersion impacts under REMEDIO Project

T. Faria, University of Lisboa, Portugal

Lunch break: 12:10 - 13:30 | Qi Gong: 13:10 - 13:30

THU

28/09 12:10 - 13:10 POSTER SESSION 2

90 Challenges and outputs for practice of healthy urban planning of academic and professional training programmes

N. Lemaire, EHESP School of Public Health, France

91 LIFE Index-Air project: Development of an integrated exposure - dose management tool for reduction of particulate matter in air

T. Faria, Instituto Superior Técnico, Portugal

92 The association between the geographic distribution of the obesity prevalence in the Vila Nova de Gaia scholar population, the Index of Sociomaterial Deprivation, and the existence of sports or leisure facilities

B. Camarinha, Vila Nova de Gaia Municipality, Portugal

93 Rasch analysis of an urban health measure constructed from the Urban HEART matrix

E. Martinez, University of Antioquia, Colombia

94 The shape of the city and the implications for public health

M. Amado, University of Lisboa, Portugal

95 Water and sanitation infrastructure as an essential component of urban planning to mitigate health risks

A. Silva, Faculty of Sciences and Technology, Portugal

96 Green roofs technology as a solution for promotion of urban health

M. Moghbel, University of Tehran, Iran

97 Climate variability and respiratory admissions in São Paulo city from 2003 to 2013

S.L. Moraes, University Of São Paulo, Brazil

98 Urban neighbourhood equality in terms of walkability index; a pilot study on two environmental area of Rome/Italy

R. Rafiemanzelat, Sapienza University of Rome, Italy

99 Aging-in-place: Obstacles and opportunities

D.S. Albuquerque, University of Brasília, Brazil

100 Qualifying information on the deaths and serious injuries caused by road traffic in five Brazilian capitals using record linkage

P.M.P. Mandacaru, Goiás Department of Health Brazil; Municipal Health Department of Goiânia, Brazil

101 Comparison of Mid-upper arm circumference (MUAC) versus weight-for-height for screening of moderate and severe acute malnutrition in children aged 6-36 months in informal settlements of Mumbai, India

A. Jayaraman, Society for Nutrition, Education and Health Action, India

Lunch break: 12:10 - 13:30 | Qi Gong: 13:10 - 13:30

THU

28/09 12:10 - 13:10 POSTER SESSION 2

102 The relationship between potable water quality and the public health of the urban communities: The case of Inharrime Village, Inhambane Province - Mozambique
U. Hassamo, University of Pedagogica, Mozambique

103 The relationship between walkability and health outcomes in Lisbon Metropolitan Area
M.F. Pereira, University of Lisbon, Portugal

104 Constructivist Model for measuring quality of Physiotherapy services from a manager's perspective
P. Mandelli, Federal University of Santa Catarina, Brazil

105 Prioritizing urban maternal, newborn and child health in high focused states of Madhya Pradesh and Odisha, India
B. Patil, MCSP - USAID, India

106 Willingness-to-pay for designing respiratory healthy city: Based on a survey of Shanghai
L. Wang, Tongji University, China

107 What does "urban" stand for in the Brazilian context? A study investigating the effects of income inequality and neighbourhood deprivation on the association between urban and rural living, and self-rated health
N. Vincens, Lund University, Sweden

108 Determinants of health in urban slum and non-slum areas: Findings from baseline study in Madhya Pradesh, India
B. Patil, MCSP-USAID, India

109 Viral suppression among HIV positive patients on treatment in rural HIV clinics, South-Eastern Nigeria: A gender-based perspective
P.O. Anyanwu, Excellence Community Education Welfare Scheme, Nigeria

110 Improving quality of care for HIV positive men on treatment in South-East Nigeria using data feedback to clinicians
P.O. Anyanwu, Excellence Community Education Welfare Scheme, Nigeria

111 Type 2 diabetes and area-based socioeconomic index in Zhejiang, China: A spatial analysis
X. Zhang, Acon Primary Care Research Center China; Zhejiang Provincial Center for Disease Control and Prevention, China

112 Stimulating community support to address gender-based violence as major driver of HIV in South-Eastern Nigeria
P.O. Anyanwu, Excellence Community Education Welfare Scheme, Nigeria

Lunch break: 12:10 - 13:30 | Qi Gong: 13:10 - 13:30

THU

28/09 12:10 - 13:10 POSTER SESSION 2

113 Changes in trends in the supply and demand of health infrastructure in Colombia

M. Madroñal, University Pontificia Bolivariana, Colombia

114 Community based approach to improve early detection and monitoring for diabetes and hypertension among an urban slum population

A. Dyalchand, Institute of Health Management Pachod, India

115 Equity in the use of health services in Germany and Spain before and during economic crisis

L. Lostao, Public University of Navarra, Spain

116 Out-of-pocket expenditure (OOPE) on health care among urban poor living in the slums of Pune city, India

A. Dyalchand, Institute of Health Management Pachod, India

117 A new day for the midtown-Edmondson community (Baltimore, Maryland, US)

R. Baylor, Ground Root, Inc, USA

118 A school based intervention programme to improve knowledge and attitude regarding association of arecanut/betel quid and smokeless tobacco with oral lesions and other serious illness among adolescents in Karachi, Pakistan: A Cluster Randomized trial

S. Rozi, Aga Khan University, Pakistan

119 A cartographic approach to analysing Granulomatosis with Polyangiitis mortality in urban and rural municipalities

F. Escobar, University of Alcalá, Spain

120 Spatial pattern of visceral leishmaniasis in Araçatuba and in Presidente Prudente – SP, Brazil: On the borders of the cities

R.B. Guimarães, São Paulo State University, Brazil

121 Health gym stations program: A public policy for urban quality of life

L. Dobbert, IFSP Brazil; ESALQ-USP, Brazil

122 A prospective investigation of liquor store availability around home and school and alcohol use in adolescents

G.S.A. Trapp, Telethon Kids Institute Australia; The University of Western Australia, Australia

123 Urban green space interventions deliver benefits for health and equity

M. Braubach, WHO Regional Office for Europe, Denmark

124 Compact and non-stop cities: What do they do to urban health?

D.H. Kim, Seoul National University, Republic of Korea

Lunch break: 12:10 - 13:30 | Qi Gong: 13:10 - 13:30

THU

28/09 12:10 - 13:10 POSTER SESSION 2

125 Understanding differences in the walking and cycling environment between Madrid and Philadelphia

P. Gullón, University of Alcalá Spain; Health institute Carlos III, Spain

126 Defining households and understanding poverty in urban slums: A qualitative study to inform household survey design in Nepal, Bangladesh and Vietnam

H. Elsey, University of Leeds, UK

127 Designing a street-based, inexpensive and comfort-based walkability index

T. Al Shammass, University of Alcalá, Spain

128 Deployment of public facilities with healthy city strategy

M.L. Silva, Unicamp, Brazil

129 Building a healthy campus: Essay at Faculdade Jaguariuna

A.M. Girotti Sperandio, Faculty of Jaguariuna Brazil; Unicamp, Brazil

130 Judicial intervention in alcohol regulation: An empirical legal analysis

J. Muhunthan, University of Sydney, Australia

131 Cities and mental health

O. Gruebner, Humboldt-University Berlin, Germany

132 Applying the healthy urban planning concept in a redevelopment project

N. Lemaire, EHESP School of Public Health Publique, France

133 The healthy urban living and ageing in place study (HULAP): Exploring the relationship between built environments and the physical activity and sedentary behaviours of older adults in Brazil and the UK

S. Ferguson, Queen's University Belfast, UK

134 Neighborhood environment walkability scale: A review

D. Almeida, Federal University of Juiz de Fora, Brazil

135 Neighborhood deprivation assessment-geographical analysis through geo-tagged instagram posts- case study of enschede -The Netherlands

Y. Afsharhotli, University of Twente, The Netherlands

136 Healthy urban planning: Health impacts of noise pollution in Coimbra, Portugal

J. Santos, University of Coimbra, Portugal

Lunch break: 12:10 - 13:30 | Qi Gong: 13:10 - 13:30

THU

28/09 13:30 - 15:00 PARALLEL SESSION

PS7.1 PRE-FORMED PANEL

Cities as a driving force for integrating health in the New Urban Agenda: Barcelona and Beyond

Room: Main Auditorium

Chair: Howard Frumkin, University of Washington, USA

Although the New Urban Agenda was signed by nations, cities will drive implementation. This creates a critical opportunity to integrate health into urban planning to achieve its goals. Greater collaboration between public health and urban transport and design can help build common language, tools and approaches to protect and promote population health across sectors.

Barcelona is one of Europe's most densely populated cities and embodies many urban challenges. Using Barcelona as a case study, and drawing on experts from research and policy, this session examines how cities are and can become leaders in bringing health to the forefront of NUA.

SPEAKERS

Cathryn Tonne, Associate Research Professor, Barcelona Institute for Global Health

Helen Colel, Postdoctoral Researcher; Barcelona Lab for Urban Environmental Justice and Sustainability, Universitat Autònoma de Barcelona

Carolyn Daher, Coordinator, Urban Planning, Environmental and Health Initiative, Barcelona Institute for Global Health

Hugo Vásquez, Researcher Housing and Health Research Group, Barcelona Public Health Agency

Coffee break: 15:00 - 15:30

THU

**28/09 13:30 - 15:00 PARALLEL SESSION
(ABSTRACTS)**

PS7.2 Healthy urban planning, measurement and metrics, data and research

Health, mobility and the built environment

Room: Mondego C2A

Chair: David Vale, University of Lisbon, Portugal

Supportive environments for physical activity in deprived communities in the United Kingdom: a qualitative study using photo elicitation

A.D.M. Sawyer (1), M. Ucci (1), R. Jones (2), L. Smith (3), A. Fisher (1)

(1) University College London UK, (2) Glasgow Centre for Population Health UK, (3) Anglia Ruskin University UK

Health + mobility: A design protocol for mobilising healthy living

L. Tait (1), I. Nakanishi (1), P. Grover (2), K. Cooper (2), H. Pineo (5), N. Tyler (6), X. Karekla (6), D. Green (3), L. Collis (3), I. Stromberg (4)

(1) Arup The Netherlands, (2) Arup UK, (3) AREA Research / Perkins+Will UK, (4) AREA Research / Perkins+Will USA, (5) BRE UK, (6) University College London UK

Take the healthy route: the weight of micro-scale built environment features on urban health

S. Pereira (1), T. Heitor (1), N. Costa (1), C. Amado (1)

(1) Universidade de Lisboa Portugal

Effects of active mobility, physical activity, and air pollution on blood pressure

I. Avila-Palencia (1), M. Laeremans (2), J.P. Orjuela (3), G. Carrasco-Turigas (1), E. Dons (2), A. Standaert (2), T. Cole-Hunter (4), E. Anaya-Boig (3), B. Hoffmann (5), L. Int Panis (2)

(1) ISGlobal, Centre for Research in Environmental Epidemiology (CREAL) Spain, (2) Flemish Institute for Technological Research (VITO) Belgium, (3) Centre for Environmental Policy, Imperial College of London UK, (4) Colorado State University USA, (5) Centre for Health and Society, Heinrich-Heine-Universität Düsseldorf Germany

Coffee break: 15:00 - 15:30

THU

**28/09 13:30 - 15:00 PARALLEL SESSION
(ABSTRACTS)**

PS7.3 Healthy urban planning, measurement and metrics, data and research

Health in urbanising India: Spotlight II

Room: Aeminium C1A2

Chair: Lucy S. Mize, Anuradha Jain, United States Agency for International Development, India

Factors associated with chronic bronchitis among sanitary workers in Varanasi, India

M. Singh (1), L. Laishram (1)

(1) International Institute for Population Sciences India

Surveillance of non-communicable diseases in urban India

M. Kroll (1), R. Phalkey (2)

(1) University of Cologne Germany, (2) University of Nottingham UK

Calibrating kernel density estimates for the analysis of childhood asthma in a major metropolitan area

D. Broitman (1), B. Portnov (2)

(1) Technion - Israel Institute of Technology Israel, (2) University of Haifa Israel

Public health surveillance in urban India: The case of Dengue fever

E. Pilot (1), V. Nittas (1)

(1) Maastricht University The Netherlands

Malaria management as a bellwether for efficient urban governance: findings from a western indian megacity

M. Daniel (1), A. Patil (1), S. Pramanik (1), P. Basak (1,2), S. Hira (1), P. Balasubramaniam (1)

(1) Public health Foundation of India India, (2) Indian Agricultural Statistics Research Institute India

Coffee break: 15:00 - 15:30

THU

**28/09 13:30 - 15:00 PARALLEL SESSION
(ABSTRACTS)**

PS7.4 Healthy urban planning, measurement and metrics, data and research

Measuring the impact of green spaces on health

Room: Aeminium C1A4

Chair: Blaise Nguendo-Yongsi, University of Yaounde II, Cameroon

Microbiome diversity in urban farms, forests, parks and parking lots

G.A. Mhuireach (1,2), C.M. Betancourt-Roman (2,3), J.L. Green (1,2), B.R. Johnson (1)

(1) University of Oregon USA, (2) Biology and the Built Environment USA, (3) Van Andel Research Institute USA

Health impact assessment of riverside regeneration in Barcelona

C. Vert (1,2), D. Rojas-Rueda (1,2), M. Gascon (1,2), M. Nieuwenhuijsen (1,2)

(1) ISGlobal, Barcelona Ctr. Int. Health Res. (CRESIB), Hospital Clínic - Universitat de Barcelona Spain, (2) Universitat Pompeu Fabra (UPF) Spain, (3) CIBER Epidemiología y Salud Pública (CIBERESP) Spain

The significance of urban green space in Ljubljana for healthy life style of inhabitants in residential areas

K.A. Lestan (1), I. Eržen (2), M. Golobic (1)

(1) University of Ljubljana, Biotechnical Faculty Slovenia, (2) National Institute of Public Health and University of Ljubljana, Medical Faculty Slovenia

Impact of methodical approaches of green space assessment on detection of socioeconomic driven environmental inequalities on the neighbourhood level - a case study in a large German city

S.A. Schüle (1), G. Bolte (1), J. Flacke (2)

(1) University of Bremen, Institute for Public Health and Nursing Research Germany, (2) University of Twente, Faculty of Geo-Information Science and Earth Observation (ITC) The Netherlands

Impact of urban regeneration on mental health problems of adolescents living in severely deprived districts in the Netherlands. Results from the URBAN40 longitudinal study

M. Droomers (1), C. Hoefnagels (2,3), J.S. Gubbels (3), C. Hosman (4,3), S. Kremers (3), A.E. Kunst (1), K. Stronks (1)

(1) Academic Medical Center, University of Amsterdam The Netherlands, (2) Verwey-Jonker Institute, Utrecht The Netherlands, (3) Maastricht University The Netherlands, (4) Radboud University, Nijmegen The Netherlands

Coffee break: 15:00 - 15:30

THU

**28/09 13:30 - 15:00 PARALLEL SESSION
(ABSTRACTS)**

PS7.5 Healthy urban planning, measurement and metrics, data and research

Urban planning for health priorities

Room: Sofia C2B

Chair: Easmon Otupiri, Kwame Nkrumah University, Ghana

Urban healthy planning: testing a territorial categorization methodology in the Municipality of Lisbon and its association with obesity and physical activity engagement

M. Pereira (1), A. Gama (1), A. Machado-Rodrigues (1), I. Mourão (2), H. Nogueira (1), V. Rosado (3), C. Padez (1)

(1) Research Centre for Anthropology and Health, University of Coimbra Portugal, (2) Department of Sports, University of Trás-os-Montes e Alto Douro Portugal (3) Faculty of Sport Sciences, Lisbon, Research Centre for Anthropology and Health, University of Coimbra Portugal

Enhancing healthy urban planning using health impact assessment: a Welsh perspective

L. Parry-Williams (1)

(1) Public Health Wales UK, (2) Assoc. member Chartered Institute of Environmental Health UK

Green and pedestrian areas and osteoporosis: urban planning priorities for an ageing population

M. Stroschia (1), E. Ferracin (1), G. Melis (2), M. Demaria (3), N. Zengarini (1), P. Carnà (1), M. Marra (1), M. Silan (4), G. Costa (1,5)

(1) Local Public Health Agency ASLTo3 Italy, (2) Environmental Heritage and Urban Redevelopment Unit, SiTI Italy, (3) Epidemiology and Environmental Health Unit, Regional Environmental Protection Agency Italy, (4) University of Padua Italy, (5) University of Turin Italy

An integral approach to establish a healthy urban living environment: the Utrecht case

T. van Alphen (1), I. Storm (1), L. Kok (1), K.J. Linde (1)

(1) National Institute for Public Health and the Environment The Netherlands

Prague and Lisbon Metropolitan Areas: The similarities or differences in mortality determinants?

M. Lustigova (1), D. Dzurova (1), C. Costa (2), P. Santana (2)

(1) Charles University Czech Republic, (2) University of Coimbra Portugal

Mortality among adult tribal people resides surround uranium mining site of Jamshedpur city, India

A. Kumar (1)

(1) International Institute for Population Sciences, Mumbai India

Coffee break: 15:00 - 15:30

THU

**28/09 13:30 - 15:00 PARALLEL SESSION
(ABSTRACTS)**

**PS7.6 Understanding and Addressing Demographic,
Epidemiological and Societal Changes in Cities**

The natural environment, emergency preparedness and the burden of disease

Room: Almedina C2D

Chair: Yongguan Zhu, Chinese Academy of Sciences, China

Pandemic and disaster preparedness in megacities: a global priority

A.M. Adams (1), R. Katz (1), C. Standley (1)

(1) Georgetown University USA

The burden of dengue illness in Seremban District, Malaysia: economic cost and DALYs lost

M.S. Mia (1), R.A. Begum (2), A.C. Er (3), J.J. Pereira (4)

(1) Universiti Utara Malaysia (UUM) Malaysia, (2) Universiti Kebangsaan Malaysia (UKM) Malaysia, (3) Universiti Kebangsaan Malaysia (UKM) Malaysia, (4) Universiti Kebangsaan Malaysia (UKM) Malaysia

Spatiotemporal modelling of dengue vector (*Aedes aegypti*) in Madeira Island

M. Santos (1), C. Capinha (2), C. Sousa (2), J. Rocha (1)

(1) Instituto de Geografia e Ordenamento do Território Portugal, (2) Instituto de Higiene e Medicina Tropical Portugal

Geographical concepts of concentration and dispersion applied to the spatial distribution of Visceral Leishmaniasis in southwest of São Paulo state, Brazil

L.A.Z. D'Andrea (1,2), E.S. Fonseca (1), R.B. Guimarães (1)

(1) Universidade Estadual Paulista, Faculdade de Ciências e Tecnologia, Campus de Presidente Prudente Brazil, (2) Centro de Laboratório Regional – Instituto Adolfo Lutz de Presidente Prudente. Brazil

Baltic Sea as a source of wellbeing in the cities: equality in the use of marine cultural ecosystem services

E. Pouta (1), H. Ahtiainen (1), C. Bertram (2), K. Rehdtanz (2), K. Pakalnite (3), J. Meyerhoff (4)

(1) Natural Resources Institute Finland Finland, (2) Kiel Institute for the World Economy Germany, (3) SIA AKTIIVS Latvia, (4) Technische Universität Berlin Germany

Coffee break: 15:00 - 15:30

THU

**28/09 13:30 - 15:00 PARALLEL SESSION
(ABSTRACTS)**

PS7.7 Health Care in Cities: Access, Services and Quality
Identifying priority health needs of the Urban poor

Room: Terceira C1B

Chair: Waleska Caiaffa, Waleska Caiaffa, Federal University of
Minas Gerais, Brazil

Emerging need to focus on MNCH in urban India: An eye opening analysis

P. Pathak (1), A. Jain (1), A. Rahman (1), R. Khanna (1), B. Patil (1)
(1) MCSP-USAID India

Harnessing creativity: the co-design process for finding solutions to urban health problems

M. Arthur (1), L. Mize (1), E. Adelman (1), S. Saxena (1), J-J. Frere (1), V. Zlidar (1)
(1) United States Agency for International Development USA

Lessons learned from Save the Children's experience in urban health programming in Metro Manila, Philippines

L.G. Crane (1), A. Parawan (2), J. Javier (2)
(1) Save the Children USA, (2) Save the Children The Philippines

Poverty and microcephaly: an analysis of the epidemic in Recife, Pernambuco, Brazil, 2015 - 2016

M.T. Siqueira (1,3), C.U. Freitas (2), A.C.V. Bezerra (3), A.C. Nardocci (4), A.G. Ribeiro (1), A.L.C.G. Ferreira (5), A.I. Souza (5)
(1) Faculdade de Ciências Médicas/Universidade de Pernambuco - FCM/UPE Brazil, (2) Independent Researcher Brazil, (3) Instituto Federal de Pernambuco - IFPE Brazil, (4) Faculdade de Saúde Pública/Universidade de São Paulo - FSP/USP Brazil, (5) Instituto de Medicina Integral Prof. Fernando Figueira - IMIP Brazil, (6) Secretaria de Saúde de Pernambuco - SES-PE Brazil

Child care and family influence on child development: A study in Andhra Pradesh, India

A. Pal (1), D. Kumari (1)
(1) International Institute for Population Sciences India

Specific male engagement strategy increases male participation in family planning in urban poor settlements

M. Sharma (1), S. Behera (1), V. Sharma (1), J. Bajpayee (2), G. Philip (1), D. Mathur (1), K.V. Singh (1), S.K. Pandey (1)
(1) Population Services International, India, (2) BMGF, India

Coffee break: 15:00 - 15:30

THU

**28/09 13:30 - 15:00 PARALLEL SESSION
(ABSTRACTS)**

CH7.8 Culture of Health - Session 3

Addressing policies, practices and systems changes that create inequities and real or perceived barriers to health

Room: Peninsular P0

Chair: Sharon Roerty, Robert Wood Johnson Foundation, USA

The impact of public space of the neighbourhoods on the quality of people's social life and community satisfaction

I. Abaid (1)

(1) University of Nottingham UK

The perceived built and social environments, physical activity and body weight changes in cohorts of South Africans from low-income communities: STOP-SA (Slow, Stop or Stem the Tide of Obesity in the People of South Africa)

E.V. Lambert (1), K.J. Okop (1,2), T. Puoane (2), A. Luke (3), L. Dugas (3), T. Kolbe-Alexander (4,1), L. Micklesfield (5), R.V.H. Dover (6), J. Kroff (1), N.S. Levitt (1)

(1) University of Cape Town South Africa, (2) University of the Western Cape South Africa, (3) Loyola University USA, (4) University of South Queensland Australia, (5) University of the Witwatersrand South Africa, (6) Universidad of Antioquia Colombia

Individual, household and food environment: effects on diet

M.C. Menezes (1), A.V. Diez Roux (2), B.V.L. Costa (1), A.C.S. Lopes (1)

(1) Federal University of Minas Gerais Brazil, (2) Drexel University USA

The role of neighborhood environment characteristics on physical activity in a sample of Portuguese adolescents

M.P. Santos (1), A.I. Ribeiro (1), H. Teixeira (1), M.F. Pina (1,2), J. Mitás (4), J. Dygryn (4), J. Mota (1), R. Autran (1)

(1) University of Porto Portugal, (2) Fundação Oswaldo Cruz Brazil, (3) Rio de Janeiro State University Brazil, (4) Palacký University Czech Republic

Coffee break: 15:00 - 15:30

THU

**28/09 13:30 - 15:00 PARALLEL SESSION
(ABSTRACTS)**

**PS7.9 Understanding and Addressing Demographic,
Epidemiological and Societal Changes in Cities**
Urban planning

Room: Conventual C1D

Chair: David Grossman, International City Managers Association,
USA

Urban health and urban sprawl a utility planning of Pune City in india

V.R. Nagarale (1), S.A. Bhailume (1)
(1) SNDT Womens University India

The role of the health sector in the new urban agenda

T. Hérick de Sá (1), C. Dora (1), E. Fletcher (1), N. Roebbel (1)
(1) Department of Public Health, Environmental and Social Determinants of Health, World Health Organization Switzerland

Understanding gentrification in a resident-led urban health intervention

S. Ramesh (1), N. Zewge-Abubaker (1), S. Wakefield (1), C. Borstad-Klassen (1)
(1) University of Toronto Canada

Suburbanisation, post-suburbanisation and gentrification in Lisbon and Porto metropolitan areas

G. Martins-Coelho (1,2), L. Saboga-Nunes (2), O. Almeida (3)
(1) Public Health Gaia Portugal, (2) National School of Public Health Portugal, (3) Public Health Baixo Vouga Portugal

Modelling the impacts of urban form on citizen health and well-being using origin-destination flow models

P.E. Osborne (1), T. Alvares-Sanches (1)
(1) University of Southampton UK

The role of compact city on equity and well-being. The case study of Coimbra

A. Santana Margarido (1)
(1) Department of Architecture at Faculty of Sciences and Technology, University of Coimbra Portugal

Coffee break: 15:00 - 15:30

THU

**28/09 13:30 - 15:00 PARALLEL SESSION
(ABSTRACTS)**

PS7.10 Urban Governance and Equity-oriented Policies
Opportunities and challenges for active transport

Room: Inês de Castro C1E

Chair: Jason Corburn, University of California, USA

Promoting active transport in the elderly - a guide for intersectoral collaboration

T. Brüchert (1), P. Quentin (2), S. Baumgart (2), G. Bolte (1)

(1) University of Bremen, Institute for Public Health and Nursing Research Germany, (2) TU Dortmund University, Faculty of Spatial Planning Germany

Access denied? Understanding and removing barriers to bicycling for minorities in New Jersey, USA

S. Blickstein (2), C. Brown (1)

(1) Rutgers University USA, (2) Vassar College USA

Public engagement throw a coordinated subject - a cycle path

J.M. de Conti (1), L.L. Francisco Filho (1), A.M.G. Sperandio (1)

(1) Universidade Estadual de Campinas (UNICAMP) Brazil

Degree of implementation of Program Life in Traffic on brazilian counties (2015)

T.M.B. Santos (2), E.C. Aquino (1), G.C. Tobias (1), P.M.P. Mandacarú (1), A.A.L. Friche (2), E. Machado (2), R.A. Guimarães (1), W.C. Teixeira (2), O.L. Moraes Neto (1)

(1) University of Goiás Brazil, (2) University of Minas Gerais Brazil

Health impacts related to urban and transport planning: a burden of disease assessment

N. Mueller (1,2), D. Rojas-Rueda (1,2), X. Basagaña (1,2), M. Cirach (1), T. Cole-Hunter (1,2), P. Dadvand (1,2), D. Donaire-Gonzalez (1,2), M. Foraster (5,6), M. Gascon (1,2), D. Martínez (1,2)

(1) ISGlobal, Centre for Research in Environmental Epidemiology (CREAL) Barcelona, Spain Spain, (2) Universitat Pompeu Fabra (UPF), Barcelona, Spain Spain, (3) CIBER Epidemiología y Salud Pública (CIBERESP), Madrid, Spain Spain, (4) Physical Activity and Sports Sciences Department, Fundació Blanquerna, Barcelona, Spain Spain, (5) Swiss Tropical and Public Health Institute, Basel, Switzerland Switzerland, (6) University of Basel, Basel, Switzerland Switzerland

Scaling Up the Formalization of Informal Settlements Project into a National-Wide Planning Approach: Lessons Learned from Namibia

M. Marealle (1), U.K. Elinwa (2)

(1) Namibia University of Science and Technology Namibia, (2) Cyprus International University Turkey

Coffee break: 15:00 - 15:30

THU

**28/09 13:30 - 15:00 PARALLEL SESSION
(ABSTRACTS)**

PS7.11 Healthy urban planning, measurement and metrics, data and research

Monitoring and acting on air pollution

Room: D. Pedro C1F

Chair: Franz Gatzweiler, ICSU Program on Health and Wellbeing,
Chinese Academy of Sciences

Public empowerment in air quality monitoring. A critical example

S. Grossberndt (1), N. Castell (1), A. Bartonova (1)

(1) NILU-Norwegian Institute for Air Research Norway

Exploring intra-urban variability of intake fractions for PM_{2.5}: an application to the life-cycle assessment of road transportation in Lisbon

J. Bastos (1), C. Milando (2), F. Freire (1), S. Batterman (2)

(1) University of Coimbra Portugal, (2) University of Michigan USA

Big data analytics, smart phone tracking and traffic maps: in support of modelling traffic air pollution, exposure and health effects

H-Y. Liu (1), E. Skjetne (2)

(1) Norwegian Institute for Air Research Norway, (2) TrafficAir AS Norway

Developing Spatio-temporal Specificity of Exposure to Emission Reduction Policies Targeting Taxi Fleet and Bus Fleet

G.S. Lovasi (1), D. Fry (2), C. Treat (2), J. Lewis (2), K. Burke (2), R. Demmer (2), M-A. Kioumourtzoglou (2), D. Hernandez (2)

(1) Drexel University USA, (2) Columbia University USA

Air pollution and replacement of bus fleet in Salvador, Bahia, Brazil

N.A. Vianna (1), M.C.C. Almeida (1)

(1) Oswaldo Cruz Foundation Brazil

Social diner: 18:45 -

THU

28/09 15:30 - 17:00 PLENARY 5

PL5 Health Care in Cities: Access, Services and Quality

Room: Main Auditorium

Access to personal health care services is an important determinant of health. This session will explore models for achieving high quality health care provision and effective health care access in cities. It will also explore the role that health care delivery organizations can play in advancing the health of the communities they serve and assuring health equity.

CHAIR

Mark Rosenberg

Professor of Geography, Queen's University, Ontario, Canada

PANELLISTS

Pedro Pita Barros

Professor of Economics, Nova University of Lisbon, Portugal (Portugal)

Steffen Nielsen

Director, Cities Changing Diabetes®, Novo Nordisk, Denmark

Easmon Otupiri

Senior Lecturer, Kwame Nkrumah University Of Science and Technology, Kumasi, Ashanti Region, Ghana

Break: 17:00 - 17:10

THU

28/09 17:10 - 18:40 PARALLEL SESSION

PS8.1 PRE-FORMED PANEL

Understanding the impact of economic crises on the population's mental health in urban areas

Room: Main Auditorium

Chair: José Miguel Caldas de Almeida, CEDOC, NOVA University of Lisbon, Portugal

The panel includes qualitative and quantitative analyses of the perceived impact of the economic crisis in the Lisbon region, assessed by the general population and primary care users and professionals, followed by analysis of the mental health provision in urban areas during economic crises, using a novel mapping methodology. Patterns of mental health services provision in Barcelona, Bilbao, Helsinki, and Sydney will be analysed, to understand the strengths and the weaknesses of mental health systems. Finally, recommendations to improve quality and a more equitable provision of mental health care in urban areas in times of economic crises will be provided.

SPEAKERS

Ana Antunes, CEDOC, NOVA University of Lisbon, Portugal

Diana Frasquilho, CEDOC, NOVA University of Lisbon, Portugal

Adriana Loureiro, CEGOT, Coimbra University, Portugal

Paula Santana, CEGOT, Coimbra University, Portugal

Luis Salvador-Carulla, University of Sydney, Australia

Mencía Ruiz, Loyola University, Sevilha, Espanha

Manuela Silva, CEDOC, NOVA University of Lisbon, Portugal

Graça Cardoso, CEDOC, NOVA University of Lisbon, Portugal

Social diner: 18:45 -

THU

28/09 17:10 - 18:40 PARALLEL SESSION

PS8.2 PRE-FORMED PANEL

Urban environment, health and equity – policy and action

Room: Mondego C2A

Chair: Matthias Braubach, Technical Officer, WHO European Centre for Environment and Health

Sotiris Vardoulakis, Director of Research, Institute of Occupational Medicine, United Kingdom

The session aims to discuss key urban environmental health challenges, the implications of the SDGs and other international commitments for local action, and how local work can be best supported through the provision of data, guidance and tools. Specific focus will be put on the relevance of monitoring urban environments, and how monitoring and impact assessment methods can help integrated and healthy urban planning.

Contributions will be provided by two international organizations involved with the health impacts and surveillance of urban environments (WHO / EEA), and by two researchers presenting their work on the health impacts of urban structures.

SPEAKERS

Theo van Alphen, Researcher, National Institute for Public Health and the Environment, Bilthoven, The Netherlands

Matthias Braubach, Technical Office Urban and Health Equity, WHO European Centre for Environment and Health, Bonn, Germany

Catherine Ganzleben, Project Manager Environment, health and well-being, European Environment Agency, Copenhagen, Denmark

Natalie Mueller, Researcher, IS Global, Barcelona, Spain

PANELIST

Marcus Grant, Editor-in-Chief “Cities & Health” as an external expert

Social diner: 18:45 -

THU

**28/09 17:10 - 18:40 PARALLEL SESSION
(ABSTRACTS)**

CH8.3 Culture of Health - Session 4

Engaging multiple sectors in revitalizing built and natural environments

Room: Aeminium C1A2

Chair: Susan Mende, Robert Wood Johnson Foundation, USA

A community-based urban health management experience for the formulation and implementation of a community health plan of the commune no. 1, in Medellín.

L. Rincón (1), D. Hernández (1), V. Lopera (1), R. González (1), L.M. Gozález (1), E. Ahumada (1), V. Bula (1), L. Acelas (1), E. Martínez (1)
(1) Universidad de Antioquia Colombia

Integrated Urban Planning Policies for a Healthy City: cooperation between academy and city hall

A.M.G. Sperandio (1), A.A.C. Rosa (1), J.C. Guarniere (1), B.C. Carvalho (1), O.T. Santiago (1), D.P. Montezor (1), C.G.C. Carmo (1), L.L.F. Filho (1)
(1) Universidade Estadual de Campinas Brazil

A healthy homes intervention linking housing improvement to child health equity

D. Chisolm (1,2), K. Kelleher (1,2)
(1) The Ohio State University USA, (2) Nationwide Children's Hospital USA

From urban acupuncture to environmental and citizen education: an analysis of the experiences developed with the community of the 4th District of Porto Alegre / Brazil.

F.C. Moscarelli (1,2), P.M. Moura (1), R.P. Nehme (1), R.A. Erhart (1)
(1) Methodist University Center Brazil, (2) Southern Faculty (Faculdade Meridional- IMED) Brazil

Multi-dimensional integrated transport policies: a good practice from Lisbon, Portugal

I. Stefanik (1,2), P. Santana (1,2), T. Krafft (3)
(1) University of Coimbra Portugal, (2) Centre of Studies on Geography and Spatial Planning (CEGOT) Portugal, (3) Maastricht University The Netherlands

Social dinner: 18:45 -

THU

**28/09 17:10 - 18:40 PARALLEL SESSION
(ABSTRACTS)**

PS8.4 Environmental Health and Urban Sustainability
Green spaces

Room: Aeminium C1A4

Chair: José Siri, United Nations University

The role of landscape design professionals in the quality of urban green space

C.A. Breed (1)

(1) University of Pretoria South Africa

The potential of urban green space to create health equity-and more!

H. Kruize (1), N. van Vliet (1), B.A.M. Staatsen (1), R. Bell (2), G. Morris (3), I. Stegeman (4)

(1) National Institute for Public Health and the Environment The Netherlands, (2) University College London UK, (3) University of Exeter UK, (4) EuroHealthNet Belgium

A Window View and the Brain: Can Floor Level and Amount of Green within the View Have any Effect on Our Well-Being?

A.O. Guizzo (1), N. Escoffier (1), J. Chan Zi Ching (1)

(1) National University of Singapore Singapore

Green infrastructure plan based on collaborative architecture as a solution for the improvement of the space: environmental services promoting resilience and urban health

G.M. Delgado (1), A.C.G. de Castro (1), A.M.C. Barroso (1), N.C.B. de Moura (1)

(1) UniFor Brazil

Green Opportunities for Affordable Housing Residents

S. Lee (1)

(1) Syracuse University USA

Green Space and Environmental Health: A Comparative Analysis of North Cyprus Apartment Housing Conditions

I.O. Ojelabi (1), U.K. Elinwa (2)

(1) Cyprus International University Turkey, (2) Cyprus International University Turkey

Social dinner: 18:45 -

THU

**28/09 17:10 - 18:40 PARALLEL SESSION
(ABSTRACTS)**

PS8.5 Health Care in Cities: Access, Services and Quality

Urban governance: creating strategies to address population health problems

Room: Sofia C2B

Chair: Easmon Otupiri, Kwame Nkrumah University, Ghana

Urban Strategies for Practicing Physical Activities in Public Spaces: Building Healthy Cities

A.M.G. Sperandio (1), L.L.F. Francisco Filho (1), J.C. Guarniere (1), D.P. Montrezor (1), C.G.C. Carmo (1), A.A.C. Rosa (1), G.A. Rocha (1)
(1) Universidade Estadual de Campinas Brazil

Thrive NYC: Public health strategies to improve the mental health of all New Yorkers

J.P. Wisdom (1)
(1) City University of New York USA

Joint planning and implementation of city health plans: UHSSP experience in Bangladesh

W. Chowdhury (1), A. Ali (1), K. Kwalombota (1)
(1) Options Consultancy Services Ltd. UK

Sustainable solutions for local health - applying smart health to enhance urban governance

R. Baptista Leite (1), L.R. Ploeg (1), M. Ribeiro Ferreira (1)
(1) Cascais Municipality Portugal

Private sector participation in family planning increases informed choice of family planning methods for urban poor

M. Sharma (1), S.K. Pandey (1), G. Philip (1), J. Bajpayee (2), S. Srivastava (1), D. Mathur (1), K.V. Singh (1)
(1) Population Services International, India, (2) BMGF, India

Social dinner: 18:45 -

THU

**28/09 17:10 - 18:40 PARALLEL SESSION
(ABSTRACTS)**

**PS8.6 Understanding and Addressing Demographic,
Epidemiological and Societal Changes in Cities**
Prevalence and diverse risk factors for NCDs in urban areas

Room: Almedina C2D

Chair: Yonette Thomas, New York Academy of Medicine, USA

Prevalence of Musculoskeletal Disorder among sanitary worker in Varanasi City, India

M. Singh (1), L. Laishram (1)

(1) International Institute for Population Sciences India

A spatial analysis of the prevalence of hypertension and its risk factors in urban India: evidence from a national cross-sectional survey

R. Sk (1), B. Mondal (1)

(1) Jawaharlal Nehru University India

Prevalence of diabetes and its correlates in urban areas of southern India: an analysis based on DLHS-4

S. Barua (1)

(1) Jawaharlal Nehru University India

Black carbon and blood pressure: modification by smoking and obesity status in a repeated measures study

E.S. Baja (1), G.V. Dalmacion (1), N.E.P. Duarte (2), A.D. Ligsay (3)

(1) University of the Philippines-Manila, Manila Portugal, (2) University of the Philippines-Philippine General Hospital, Manila Portugal, (3) St. Luke's College of Medicine, Quezon City Portugal

Social dinner: 18:45 -

THU

**28/09 17:10 - 18:40 PARALLEL SESSION
(ABSTRACTS)**

PS8.7 Health Care in Cities: Access, Services and Quality
Maternal morbidity and access to health care

Room: Terceira C1B

Chair: Anuradha Jain, Project Management Specialist (Urban Health), USAID

Outcome of an intervention package on health utilisation behaviours and reported maternal morbidity among slum women

A. Dyalchand (1), G. Kulkarni (1)

(1) Institute of Health Management Pachod (IHMP) India

Severe maternal morbidity and maternal near miss in a tertiary hospital of Delhi, India

P. Chhabra (1), K. Guleria (1), S.K. Bhasin (1)

(1) university College of Medical Sciences and GTB Hospital, Delhi India

Access to public transportation and district hospitals offering maternal health services among formal and informal settlements in Nairobi, Kenya

V. Escamilla (1), L. Calhoun (1), I.S. Speizer (1)

(1) University of North Carolina at Chapel Hill USA

Scale-up of a provider participatory model to strengthen urban referral systems for maternal and newborn health in a public health system: evidence from Maharashtra, India

S. Shende (1), S. Pantvaidya (1), D. Osrin (2), S. Nundy (3), S. More (4), S. Patil (1), S. Pathak (1), N. Karindikar (1)

(1) SNEHA India, (2) University college London UK, (3) George Washington University School of Public Health USA, (4) Independent Researcher India

Assessing the impact of migration and remittances on maternal health care services utilisation in India and selected states

I. Ali (1), A. Jaleel (1)

(1) IMS Health India

Social dinner: 18:45 -

THU

**28/09 17:10 - 18:40 PARALLEL SESSION
(ABSTRACTS)**

PS8.8 Urban Governance and Equity-oriented Policies
Promoting urban health equity

Room: Conventual C1D

Chair: David Grossman, International City Managers Association,
USA

Moving health upstream in urban development decision-making – a pilot project from Wellcome Trust's Our Planet Our Health Programme

D. Black (1,2), J. Orme (2), G. Scally (2), A. Hunt (3), B. Williams (2), P. Pilkington (2), L. Carmichael (2), J. Ige (2), K. Ebi (4), R. Lawrence (5)
(1) db+a UK, (2) UWE Bristol UK, (3) University of Bath UK, (4) University of Washington UK, (5) United Nations University UK

Engaging stakeholders to identify critical issues affecting urban health equity. Evidence from Lisbon city case study

A. Freitas (1), P. Santana (1), C. Bana e Costa (2), P.V. Correia (2), T.C. Rodrigues (2), M.D. Oliveira (2)
(1) Centre of Studies on Geography and Spatial Planning, University of Coimbra Portugal, (2) Centre for Management Studies of Instituto Superior Técnico, University of Lisbon Portugal

DASH-NYC: Building Place-Based, Multisector Workgroups to Advance Community Health and Improve Health Equity

E. Fisher (1), K. Griffin (1), J. Clapp (2), W. Mwanyika (1), A. Frazzini (1), A. Shih (1)
(1) The New York Academy of Medicine USA, (2) The New York City Department of Health and Mental Hygiene USA

Embedding urban equity into a graduate public health programs

H.R. Yeatman (1)
(1) University of Wollongong Australia

Natural environment and urban green areas: effects on human health and equity

A. Chiabai (1), S. Quiroga (1), P. Martinez (1), C. Suarez (1)
(1) Basque Centre for Climate Change BC3 Spain, (2) Universidad de Alcalá Spain

Social dinner: 18:45

THU

**28/09 17:10 - 18:40 PARALLEL SESSION
(ABSTRACTS)**

PS8.9 Healthy urban planning, measurement and metrics, data and research

Community strategies for addressing mental health problems

Room: Inês de Castro C1E

Chair: Jason Corburn, University of California, USA

Everybody needs good neighbours: Testing the impact of a New Urbanist planning policy on residents' sense of community and mental health

P. Hooper (1), S. Foster (2), M. Knuiman (1), B. Giles-Corti (2)

(1) The University of Western Australia Australia, (2) RMIT University, Melbourne Australia

The geography of suicide risk in Berlin

O. Gruebner (1), F. Thiel (1), J. Butler (2), S. Lautenbach (3), M. Aichberger (4), S. Galea (5), T. Lakes (1)

(1) Humboldt-University Berlin Germany, (2) District Office of Berlin-Mitte Germany, (3) University of Bonn Germany, (4) Charité University Medicine Germany, (5) Boston University USA

Promoting positive mental health: Building capacity among youth to influence policy and practice

M. Peled (1), A. Smith (1), S. Martin (1)

(1) McCreary Centre Society Canada

Longitudinal effects of receiving subsidized housing on common mental disorders in the Greater Toronto Area (GTA) West

J.R. Dunn (1)

(1) McMaster University Canada, (2) St. Michael's Hospital Canada

A citywide cluster randomized controlled trial of vacant lot greening and its effects on mental illness and depression

E. South (1), M. Kondo (5), B. Hohl (4), J. MacDonald (3), C. Branas (2)

(1) Perelman School of Medicine at the University of Pennsylvania USA, (2) Mailman School of Public Health, Columbia University USA, (3) School of Arts and Sciences, University of Pennsylvania USA, (4) School of Public Health, School of Criminal Justice, Rutgers University USA, (5) U.S. Department of Agriculture, Forest Service USA

Quality of life asymmetries based on the residence

P.L. Ferreira (1,2), P. Antunes (1), L.N. Ferreira (1,3), L.N. Pereira (4,3)

(1) CEISUC Portugal, (2) University of Coimbra Portugal, (3) University of Algarve Portugal, (4) CEIO Portugal

Social dinner: 18:45 -

THU

**28/09 17:10 - 18:40 PARALLEL SESSION
(ABSTRACTS)**

PS8.10 Environmental Health and Urban Sustainability
Climate action to improve health in cities

Room: D. Pedro C1F

Chair: Ligia Barrozo, University of São Paulo, Brazil

Climate and health benefits from urban actions – a research framework for cities

M. Bagger (1), R. Huxley (2), N. Lund (1)
(1) Novo Nordisk A/S Denmark, (2) c40 UK

Public health engagement in urban climate action: framework and examples

T.D. Matte (1), D. Kass (1)
(1) Vital Strategies USA

Weathering change: action research exploring community resilience in the face of climate change

R. Jones (1), R. Wostenholme (2), D. Irving (3), G. Yates (1), V. McNeice (1), F. Barrett (4)
(1) Glasgow Centre for Population Health UK, (2) Sniffer UK, (3) greenspace scotland UK, (4) Glasgow City Council UK

Numerical simulation of natural air flow circulation in organic texture of tropical region

M. Yaghoubi (1), J. Shaeri (1), A. Aflaki (1), H. Janahmadi (2)
(1) Shiraz University Iran, (2) Tehran University Iran

Social dinner: 18:45

Friday, September 29 | At-A-Glance

08:00- Parallel Sessions

09:00

9:00-10:00 Poster Sessions

09:30- *Coffee break*

10:00

10:00- **Plenary session 6**

12:00 **Environmental Health and Urban
Sustainability**

FRIDAY

12:00-	Closing ceremony
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12:30

FRI

**29/09 08:00 - 09:00 PARALLEL SESSION
(ABSTRACTS)**

PS9.1 Healthy urban planning, measurement and metrics, data and research

Traffic injuries and how to reduce them

Room: Mondego C2A

Chair: Iwa Stefanik, University of Coimbra, Portugal

Nairobi accident map: Crowdsourcing Kenya's first geo-coded road accident dataset

E.L. Resor (1)

(1) University of California Berkeley USA

Estimating the burden of injuries among urban children in Bangladesh from a nationwide survey: evidence for policy implication

S.M. Chowdhury (1), A. Rahman (1), F. Rahman (1)

(1) Centre for Injury Prevention and Research, Bangladesh (CIPRB) Bangladesh

Epidemiology of road traffic injuries in urban settings of Bangladesh: finding from a nationwide survey

S.M. Chowdhury (1), F. Rahman (1)

(1) Centre for Injury Prevention and Research, Bangladesh (CIPRB) Bangladesh

When does mixed land use reduce urban vehicular volume? Evidence from the planned city of Shenzhen, China

Y. Wang (1), J. Zacharias (2)

(1) Xi'an Jiaotong University China, (2) Peking University China

Poster sessions: 9:00 - 10:00

FRI

**29/09 08:00 - 09:00 PARALLEL SESSION
(ABSTRACTS)**

PS9.2 Environmental Health and Urban Sustainability
Noise pollution and effects on health and health equity I

Room: Aeminium C1A2

Chair: Ligia Barrozo, University of São Paulo, Brazil

Socioeconomic and ethnic inequalities in exposure to air and noise pollution in London

C. Tonne (1), C. Mila (1), D. Fecht (2), M. Alvarez (1), J. Gulliver (2), J. Smith (3), S. Beevers (3), F. Kelly (3)

(1) ISGlobal Spain, (2) Imperial College UK, (3) Kings College UK

Self-perception of noise pollution in a urban center: The BH Health Study

F.A.M. Dias (1,4), W.T. Caiaffa (1,4), M.F. Colla (1,4), D.A.S. Costa (1,4), C.C. Xavier (2,4), F.A. Proietti (3,4), A.A.L. Friche (1,4)

(1) Federal University of Minas Gerais Brazil, (2) FASEH Brazil, (3) FIOCRUZ MG Brazil, (4) Belo Horizonte Observatory for Urban Health Brazil

Noise mapping and scenario analysis of community noise exposure in a medium-sized Nigerian city

A.C. Ilo (1), V.U. Onyebueke (1)

(1) University of Nigeria Enugu Campus Nigeria

Poster sessions: 9:00 - 10:00

FRI

**29/09 08:00 - 09:00 PARALLEL SESSION
(ABSTRACTS)**

PS9.3 Environmental Health and Urban Sustainability
Acting on air pollution

Room: Aeminium C1A4

Chair: Sotiris Vardoulakis, Institute of Occupational Medicine (IOM),
UK

Citizens observatories, crowdsourcing, collective awareness for outdoor air quality in Europe

H-Y. Liu (1), A. Bartonova (1)

(1) Norwegian Institute for Air Research Norway

Traffic-related air pollution and childhood obesity in school-aged children in Barcelona, Spain

J. de Bont (1), M. Casas (1), J. Barrera-Gómez (1), M. Cirach (1), D. Valvi (2), M. Álvarez (1), P. Dadvand (1), J. Sunyer (1), M. Vrijheid (1)

(1) ISGlobal, Centre for Research in Environmental Epidemiology (CREAL); Spanish Consortium for Research on Epidemiology and Public Health (CIBERESP) (Spain); Universitat Pompeu Fabra, Barcelona (UPF) (Sp Spain), (2) Department of Environmental Health, Harvard T.H. Chan School of Public health USA

Evergreen shrub barriers to mitigate air pollution: Combined effect of two species and planting density on traffic-derived PM deposition

J. Mori (1), D. Massa (2), M. Galimberti (3), A. Fini (3), F. Ferrini (1)

(1) University of Florence Italy, (2) CREA – Council for Agricultural Research and Economics Italy, (3) University of Milan Italy

Addressing air pollution in Nairobi's informal settlements – a complex urban system approach

K. Dianati (1), N. Zimmermann (1), J. Milner (2), P. Wilkinson (2), H. Fletcher (3), C. Kyobutungi (4), K. Muindi (4), B. Mberu (4), B. Csuvár (3), A. Ezech (4)

(1) University College London UK, (2) London School of Hygiene and Tropical Medicine UK, (3) BuroHappold UK, (4) African Population Health Research Center Kenya

Poster sessions: 9:00 - 10:00

FRI

**29/09 08:00 - 09:00 PARALLEL SESSION
(ABSTRACTS)**

PS9.4 Environmental Health and Urban Sustainability
Housing and the indoor environment I

Room: Sofia C2B

Chair: Tolullah Oni, University of Cape Town, South Africa

Modelling the impact of energy efficiency interventions on mould exposure in English homes

P. Symonds (1), J. Taylor (1), C. Shrubsole (1), M. Davies (1), M. Ucci (1)
(1) University College London UK

Housing policies as a mean of improving environmental and urban health in Brazil

G.C. Bruna (1), A. Philippi Jr (2)
(1) Presbyterian University Mackenzie Brazil, (2) University of São Paulo Brazil

Factors contributing to low-level carbon monoxide exposure in the English housing stock

C. Shrubsole (1), P. Symonds (1), J. Taylor (1), M. Davies (1)
(1) University College London UK

Strategies for transforming degraded public spaces in the 4th District of Porto Alegre (Brazil) in places using Placemaking Methodology

Fernanda Moscarelli
Methodist University Center, Brazil

Poster sessions: 9:00 - 10:00

FRI

**29/09 08:00 - 09:00 PARALLEL SESSION
(ABSTRACTS)**

**PS9.5 Understanding and Addressing Demographic,
Epidemiological and Societal Changes in Cities**
Rural-urban migration & urban slums

Room: Almedina C2D

Chair: José Siri, United Nations University

Rural-urban migration is associated with increase prevalence of childhood wheeze in a Latin American city

A. Rodriguez (2,1), M. Vaca (1), M. Chico (1), L. Rodrigues (2), M. Barreto (4,5), P. Cooper (6,3)
(1) Laboratorio de Investigación FEPIS Ecuador, (2) London School of Hygiene and Tropical Medicine UK, (3) Universidad Internacional del Ecuador Ecuador, (4) Centro de Pesquisas Gonçalo Muniz Brazil, (5) Instituto de Saude Coletiva Brazil, (6) Institute of Infection and Immunity, St George's University of London Brazil

Rural-Urban Migration and Adult Health: Slums of Dhaka (North and South) and Gazipur City Corporations

A. Razzaque (1), M. Iqbal (1), S.M.A. Hanifi (1), S.S. Mahmood (1), M.N. Mia (1), M.R. Chowdhury (1), A.H.M.G. Mustafa (1), Z. Islam (2), B. Chin (3), D.K. Nath (3)
(1) International Centre for Diarrhoeal Disease Research, Bangladesh Bangladesh, (2) Embassy of Sweden Bangladesh, (3) Asian Development Bank Bangladesh, (4) Partners in Population and Development Bangladesh

Urban innovations in slum areas can influence homicide rates? A Spatial analysis in a city in the Southeast Brazil

R.R. Nicolino (1), M.A. Salles Dias (2), A.A.L. Friche (2), W.T. Caiaffa (2)
(1) Universidade Federal dos Vales do Jequitinhonha e Mucuri Brazil, (2) Universidade Federal de Minas Gerais Brazil

Adolescent girls' reproductive lives in urban slums of Bangladesh: managing constraints and exerting agency

R. Akter (1), J. Evans (1), F. Rashid (1)
(1) James P. Grant School of Public Health, BRAC University Bangladesh

Poster sessions: 9:00 - 10:00

FRI

**29/09 08:00 - 09:00 PARALLEL SESSION
(ABSTRACTS)**

**PS9.6 Understanding and Addressing Demographic,
Epidemiological and Societal Changes in Cities**
Social inequalities and effects on health

Room: Terceira C1B

Chair: Sainath Banerjee, IPE-Global, India

**Estimating the inequalities in urban infrastructures and services through
urban exposure in million plus cities in India**

S. Patel (1)

(1) International Institute For Population Sciences, Mumbai India

**Religion and the adolescent girls: improving choices and opportunities for
adolescent girls in Kaduna State, Nigeria**

O. Abayomi (1), T. Fashola (1), T. Aliyu (1), T. Adah (1), A. Fatilewa (1), M. Okeke (1)

(1) Christian Aid, Nigeria Country Programme Nigeria

**Transition in Childhood Malnutrition in urban India: Evidence from Various
Cross-sectional Surveys conducted during 1998 to 2013**

S.K. Singh (1), G. Gudakesh (1)

(1) International Institute for Population Sciences India

**Violence against women: are there differences between urban centers and
neighborhoods away? Faculdade Jaguariúna - SP 2016/2017**

A.M.G. Sperandio (1,2), N.M.F. Santos (1), P. Pereira (1)

(1) Faculdade Jaguariúna Brazil, (2) UNICAMP Brazil

Poster sessions: 9:00 - 10:00

FRI

**29/09 08:00 - 09:00 PARALLEL SESSION
(ABSTRACTS)**

PS9.7 Urban Governance and Equity-oriented Policies
Food systems and food (in)security II

Room: Peninsular P0

Chair: Kerry Griffin, New York Academy of Medicine, USA

Governance for healthy equitable local food environments within rapidly urbanising cities

M. Murphy (1), H. Jordan (1), H. Badland (2), B. Giles-Corti (2)

(1) The University of Melbourne Australia, (2) RMIT University Australia

Elaboration process of the 1st Food Security and Nutrition Municipal Plan of São Paulo city, Brazil: use of the logical model for data systematization

S.M. Ribeiro (1), J.D. Lins (1), S.R. Santana (1)

(1) Public Health Faculty, University of São Paulo Brazil

Impact of a community-based management of acute malnutrition program in urban informal settlements of Mumbai India: a mixed-methods assessment

S. Ramani (1), N. Shah More (1), S. Chanani (1), A. Waingankar (1), S. Pantvaidya (1), A. Fernandez (1), V. dSouza (1), A. Jayaraman (1)

(1) Society for Nutrition, Education and Health Action India

Poster sessions: 9:00 - 10:00

FRI

29/09 08:00 - 09:00 PARALLEL SESSION

PS9.8 PRE-FORMED PANEL
India's Growth: Cities on the Horizon

Room: Conventual C1D

Chair: Lucy Mize, USAID/Washington, the Asia Bureau
Anuradha Jain, Project Management Specialist (Urban Health),
USAID

With the growth of secondary and tertiary cities in India, the urban landscape is very dynamic. Private sector partners and donor organizations, as well as the government of India through its formation of the National Urban Health Mission, are responding to this dynamism with varied approaches. Stakeholders are trying to tap into the energy of the markets and growth while addressing continued pressing urban issues, such as slum settlements and environmental constraints. This panel will present some of the varied approaches being tried in India with a discussion of results to date and anticipated impact.

SPEAKERS

Senior government officials

Ministry of Health and Family Welfare

Government of India

Poster sessions: 9:00 - 10:00

FRI

**29/09 08:00 - 09:00 PARALLEL SESSION
(ABSTRACTS)**

PS9.9 Environmental Health and Urban Sustainability
Noise pollution and effects on health and health equity II

Room: Inês de Castro C1E

Chair: Cláudia Costa, University of Coimbra, Portugal

Living close to busy roads reduces wellbeing

P.R. Anciaes (1), S. Scholes (1), J. Stockton (1), A. Ortegon (1)
(1) University College London UK

Comparative analysis of environmental impact between a conventional and alternative streets with non-motorized flow through the Ica

H. Saldaña-Márquez (1), D.G. Gámez-García (1), J.M. Gómez-Sober (1), R. Corral-Higuera (1,2), S.P. Arredondo-Rea (1,2)
(1) Universitat Politècnica de Catalunya Spain, (2) Universidad Autónoma de Sinaloa Mexico

Spatial variation in soundscape frequency components and sound volume across an urban area: implications for public health and city planning

T. Alvares-Sanches (1), P.E. Osborne (1), P.R. White (1), P.A.B. James (1), A.S. Bahaj (1)
(1) University of Southampton UK

Poster sessions: 9:00 - 10:00

FRI

**29/09 08:00 - 09:00 PARALLEL SESSION
(ABSTRACTS)**

PS9.10 Environmental Health and Urban Sustainability
Housing and the indoor environment II

Room: D. Pedro C1F

Chair: Ricardo Almendra, University of Coimbra, Portugal

Assessment of thermal comfort based on bioclimatic indexes in urban centers of Russia

N.V. Shartova (1), P.I. Konstantinov (1), V.N. Krainov (1), S.M. Malkhazova (1)
(1) Lomonosov Moscow State University Russia

The effect of energy efficiency retrofits on indoor temperature conditions in English cities: a longitudinal study of 16.4 million houses

I. Hamilton (1), P. Wilkinson (2), M. Davies (1), B. Armstrong (2)
(1) University College London UK, (2) London School of Hygiene and Tropical Medicine UK

Projected impacts of housing heat adaptations on summertime mortality in the West Midlands, UK

J. Taylor (1), P. Wilkinson (2), P. Symonds (1), R. Picetti (2), M. Davies (1)
(1) UCL UK, (2) London School of Hygiene and Tropical Medicine UK

Healthy urban design and 'slowness': theory and practice in Brazil and Mexico

L.A. Herzog (1).
(1) San Diego State University USA

Poster sessions: 9:00 - 10:00

FRI

**29/09 08:00 - 09:00 PARALLEL SESSION
(ABSTRACTS)**

PS9.11 PRE-FORMED PANEL

**Dhaka Statement on Urban Health and Way Forward to
Achieving the SDGs**

Room: Main Auditorium

Chair: ASM Mahbubul Alam, Chief Coordinator, UPHCP, LGD,
Government of the People's Republic of Bangladesh

The session will discuss the need for and status of developing the indicators, targets and goals for the SDGs for countries to use to monitor progress in achieving urban health. This includes the challenge of priority setting among multiple social determinants such as : women empowerment and education, poverty reduction and access to food and nutrition, urban planning, energy, transportation, housing and information technology, migration and access to universal health services.

The session will also describe the partnership status and way forward for achieving the urban health related indicators and targets of the SDGs. It will consider how the Dhaka Statement for Urban Health can be useful in this process.

SPEAKERS

Md. Abdul Hakim Majumder Ndc, PD, UPHCP, Bangladesh

Mahiuddin Osmani Options Consultancy Services Ltd

Bushra Alam, The World Bank, Bangladesh

Poster sessions: 9:00 - 10:00

FRI

29/09 09:00 - 10:00 POSTER SESSION 3

POS3 POSTER SESSION 3

Room: Cloister

137 The impact of urbanization on ground water quality in Malawi

T.J. Bisika, University of Pretoria School of Health Systems; Public Health, South Africa

138 Novel reactor design for removal of heavy metals from industrial wastewater by biomass of Cu and Co-doped alginate-coated chitosan nanoparticles: Application of RSM for process optimization

A. Esmaili, Islamic Azad University, Iran

139 Effect of hospital waste (DASRI) on public health and the environment

A. Akni, University Mentouri of Constantine, Algeria

140 Anticancer drugs as water environment contaminants: Data needs for quantitative risk assessment

A. Brunier, University of Strathclyde, UK

141 Breastfeeding, sanitation and water on child health in urban South Asia: Who succeeds, who fails and under what conditions

B. Brajesh, International Institute for Population Sciences Deonar, India

142 Resilience and recovery in water system and assessment of water related health risks after the mass disaster in urban Nepal

Y. Aihara, Kobe City College of Nursing, Japan

143 Sustainable food consumption practices: Case studies and contexts from Edmonton, Canada

R.M.A. Touchie, Uppsala University, Sweden

144 Methodology for decision making on the use of groundwater for public supply in the vicinity of industrialized urban areas

P.R. Penalva Santos, São Paulo University, Brazil

145 Isfahan's sustainable urban green spaces as cultural heritage

M. Haghighatbin, Tarbiat Modares University, Iran

146 Barefoot tourism: The pathway to a healthy life

J. Zavodny Pospisil, Palacky University in Olomouc, Czech Republic

147 Diurnal temperature range and all-cause non-accidental mortality in Cape Town, Durban and Johannesburg, South Africa

J. Wichmann, University of Pretoria, South Africa

Coffee break: 9:30 - 10:00

FRI

29/09 09:00 - 10:00 POSTER SESSION 3

148 Healthcare environment in Russia: Before, after and 100 years after the revolution

E. Petrashen, Saint-Petersburg State University, Russia

149 Effect of apparent temperature on cardiovascular disease hospital admissions in Cape Town, South Africa

J. Wichmann, University of Pretoria, South Africa

150 Implementation of legal provisions for commercial immission protection in urban planning

R. Sieber, TU Dortmund University, Germany

151 Early-childhood exposure to fine particle air pollution and the incidence of glaucoma

J.Y. Min, Seoul National University, Republic of Korea

152 Exposure to environmental noise and risk for dying by suicide: A population-based cohort study

K.B. Min, Seoul National University, Republic of Korea

153 Thermal physiology and urbanization: A climate change and biodiversity perspective

S.L. Chown, Monash University, Australia

154 Association between exposure to particulate matter and respiratory diseases in children: Results from a cross-sectional study in Ploiesti, Romania

H-Y. Liu, Norwegian Institute for Air Research, Norway

155 Climate in everyday life of elderly residents of the center of Sao Paulo, Brazil

M.A. Mascoll, University of São Paulo, Brazil

156 Daily monitoring of air quality by remotely sensed data for enhanced exposure assessment

A. Marinoni, University of Pavia, Italy

157 Road traffic-related air pollution and aerosol loading at Coimbra urban area

D. Dias, University of Coimbra, Portugal

158 Land degradation: A threat to sustainable urban cities

S. Yakubu, Osun State University, Nigeria

159 The intermunicipal cooperation in municipal solid waste management

M. Struk, Masaryk University Czech Republic; Mendel University, Czech Republic

160 Understanding drinking water practices, perception, and quality within an informal community: A case study of Rio das Pedras, Rio de Janeiro

R.V. Remigio, Drexel University, USA

Coffee break: 9:30 - 10:00

FRI

29/09 09:00 - 10:00 POSTER SESSION 3

161 Using the design and construction of the built environment as a global health strategy for attaining scale and impact in the fight against malaria

S. Pareek, The Pennsylvania State University, USA

162 The impact of proximity to green space and sports facilities and physical activity practice

M. Garrido-Cumbrera, University of Sevilla, Spain

163 The relationship between urban sprawl and overweight/obesity in a European Mediterranean context

M. Garrido-Cumbrera, University of Sevilla, Spain

164 Differences in Arab and Jewish women coping with selected small towns environments in Israel

I. Schnell, Tel Aviv University, Israel

165 Urban sanitation and waste management in ethiopia: Knowledge, perspectives, and practices among urban communities

Y.T. Bayou, JSI/SEUHP, Ethiopia

166 Integrated sustainable urban development strategy: The city of Cáceres

M. Jiménez-Espada, University of Extremadura, Spain

167 Geoenvironmental method for determining past air pollution

K. Kamura, Waseda University, Japan

168 Using climate risk screening tools to assess and mitigate the inevitable health impacts of climate change on urban populations

J-J. Frere, United States Agency for International Development, USA

169 Participative Diagnostic of Food and Nutrition Security: The Experience of Butantã Local Network of Sustainable Food and Nutritional Security (SANS-BT Network), São Paulo / SP, Brazil

S.M. Ribeiro, University of São Paulo, Brazil

170 Occupational airborne exposure and the prevalence of respiratory symptoms and self reported asthma among workers in selected factories in industrial area Nairobi , Kenya

J. Musumba, Jomo Kenyatta University of Agriculture and Technology, Kenya

171 Role of informal systems in sustainability and resilience to climate change in Beirut, Lebanon

A. Badran, American University of Beirut, Lebanon

Coffee break: 9:30 - 10:00

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172A systemic model of environmental health: Well-being and spatial characteristics of open recreational spaces, assessing environmental quality and sustainable requalification, case study Parc Titou in Algiers

S. Kentache, School of Architecture and Urbanism, Algeria

173 Knowledge production challenges on population-based health survey: Sao Paulo's Municipal Secretariat of Health (SMS-SP) experience - Brazil

K. Bassichetto, Sao Paulo's Municipal Department of Health, Brazil

174 Accessing equity in transport accessibility to community health service: A case study in Shanghai, China

J. Li, Tongji University China)

175 Morbidity from oral and oropharyngeal cancer in Santa Catarina, Brazil

L. Gama Paes, Federal University of Santa Catarina Brazil; Florianopolis Municipal Government, Brazil

176A geographical analysis of emergency obstetrics care services in Osun State, Nigeria

O. Babatimehin, Obafemi Awolowo University, Nigeria

177 Assessing urban population vulnerability and environmental risks during heatwaves across a UK urban area – implications for health protection

C. Heaviside, Public Health England, UK

178 Application of geospatial tools to improve disparities in access to breast, cervical and colorectal cancer screening services

H. Mavronicolas, The Brooklyn Hospital Center USA; St. George's University, Grenada

179 Healthcare services costs of family health centres in Ulaanbaatar, Mongolia

U. Lkhagvaa, Mongolian National University of Medical Sciences, Mongolia

180 The influence of transport mode on accessibility to healthcare facilities: Measuring modal accessibility disparities in Lisbon

D. S. Vale, University of Lisbon, Portugal

181 Waterborne diseases in the city of Souk-Ahras (Algeria)

D. Mellahi, University of Batna, Algeria

182 Trauma, healing and keeping well in the city: Exploring the experiences of cross-border migrant women in the urban spaces of Johannesburg, South Africa

E. Oliveira, University of the Witwatersrand, South Africa

183 Situating health interventions in diverse communities: Feasibility, modifications, and content

E. Bastida, Florida International University, USA

Coffee break: 9:30 - 10:00

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29/09 09:00 - 10:00 POSTER SESSION 3

184 Low carbon city development for the urban sustainability: International practices and implications for Mannar, Sri Lanka

J.T. Han, Kyung Hee University, Republic of Korea

185 Inter-spousal communication and treatment seeking behaviour among women suffering from RTIs/STIs by different social group of India

A. Pal, International Institute for Population Sciences, India

186 A study on outdoor thermal comfort in courtyard of traditional buildings in the tropical climate. A case study in Bushehr, Iran

J. Shaeri, Shiraz University, Iran

187 The influence of green roof and façade on outdoor thermal comfort in tropical climate of Bushehr

A. Aflaki, Shiraz University, Iran

188 Household condition, morbidity, and its association with SDGs in India

I. Ali, IMS Health, India

189 Determinants in the use of maternal health care services in urban areas of Bangladesh

M.I. Sk, International Institute for Population Sciences, India

190 Sustainable infrastructure systems for Kuttanad wetland region, Kerala State

S. Kumar, Indian Institute of Technology, India

191 The noise annoyance in Milan: Analysis of registered citizen complaints

F. Angelini, University of Milano Bicocca, Italy

192 Exploring the variation in bariatric surgery across London: Does access follow need and to what extent do inequalities exist?

A.J. Mills, Public Health England UK; Imperial College, UK

193 Pattern of temporary, internal and international labour migration, and survival strategy: A perspective of agro-climatic region in India

I. Ali, IMS Health, India

194 Translation and cross-cultural adaptation of "Hoja Verde de Salud Medioambiental Reproductiva"

M.T. Siqueira, Universidade de Pernambuco - FCM/UPE Brazil; Pernambuco health department, Brazil

195 The contribution of ICT at the service of sustainable urbanization and health in urban areas in Cameroon: Case of YUSIIP platform

A. Ayissi Eteme, University of Ngaoundere, Cameroon

Coffee break: 9:30 - 10:00

196 Impact of the energy retrofit of households in the residential health in Spain

J. Ortiz, Catalonia Institute for Energy Research, Spain

197 Experience Report of the Growth Acceleration Program (PAC) and infrastructure as an instrument of Healthy Planning

A.M.G. Sperandio, Unicamp, Brazil

198 Drinking water quality in Rio de Janeiro metropolitan region: Evaluation and validation of health surveillance system

R. Almendra, University of Coimbra, Portugal

199 The trend and pattern of fat intake imbalance and its association with cardiovascular diseases (CVDs) in urban areas of India

S. Patel, International Institute for Population Sciences, India

200 Developing pathways for a low carbon economy in schools

N. Canha, Instituto Superior Técnico, Portugal

202 Small urban agglomerations and the leishmaniasis in São Paulo state-Brazil

B. Casagrande, São Paulo State University, Brazil

203 Evaluation of the accessibility to urban transport in the city of Cáceres

M. Jiménez-Espada, University of Extremadura, Spain

204 LOCAL actions for biodiversity: The application of the City Biodiversity Index in the city of Curitiba, Paraná, Brazil

A. Philippi Jr, University of São Paulo, Brazil

205 GreenSOAP (Solution for Outdoor Air Pollution): Tool to quantify benefits related to the adoption of green roofs in urban contexts

A. Rebecchi, Politecnico di Milano, Italy

206 The impact of socio-economic inequalities on the environment and health of the population of Canaan

AL. Verret, Université Quisqueya Haiti; Association Haïtienne Femmes, Haiti

207 Pokémon GO, good or bad for college student's health? Analyzing physical activity and gaming behavior using Ecological Momentary Assessment

O. Marquet, North Carolina State University, USA

208 The role of dogs in the transmission dynamics of leptospirosis in marginalized urban communities: An agent-based model

M.R. Mason, St. Catherine University, USA

Coffee break: 9:30 - 10:00

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29/09 09:00 - 10:00 POSTER SESSION 3

209 "What comes to your mind when you think of sustainability?" - A study with Brazilian consumers

B. Barone, University of Campinas, Brazil

210 Access to health services in primary care: Intervening factors

L.G. Paes, Federal University of Santa Catarina, Brazil

211 "What comes to your mind when you think of sustainability and food?" - A study with Brazilian consumers

B. Barone, University of Campinas - School of Food Engineering, Brazil

212 Tuberculosis profile in Florianópolis: Distribution analysis by mappings

L.G. Paes, UFSC, Brazil

213 Drivers of violence among displaced populations in urban crisis and post-crisis settings: A systematic review

L. Cardoso, University of Pennsylvania, USA

214 The influence of tree canopy cover in urban microclimate

L. Dobbert, University of São Paulo, Brazil

215 Mitigation of heat stress with misting fans in hot environments

C.E. Farnham, Osaka City University, Japan

216 The ombudsman's Office in the Interlocution in urban health

B. De Cesaro, Federal University of Rio Grande do Sul, Brazil

217 Role of community participation through Mahila Arogya Samiti (mas) in promoting uptake of maternal and newborn health services among urban poor in India

D. Bhattacharya, IIHMR University, India

218 Physical activity survey among the elderly in Kaunas

A. Dedele, Vytautas Magnus University, Lithuania

219 Shifting chronic hunger-need for urban policy to address malnutrition

A. Jain, USAID India, India

220 Unlocking government finance for private sector increases utilization of family planning among the urban poor in Uttar Pradesh

M. Sharma, Population Services International, India

221 Private sector participation in urban areas for family planning is key to increase use of contraception to achieve FP2020 commitments

M. Sharma, Population Services International, India

Coffee break: 9:30 - 10:00

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29/09 09:00 - 10:00 POSTER SESSION 3

222 Integration of services at private facilities improved the number of family planning users and numbers of Cervical Cancer screening in urban slums

G. Philip, Population Services International, India

223 Child labor hazard on mental health: evidence from Brazil

M. Justus, Center for Social, Urban and Regional Studies, Institute of Economics, University of Campinas, Brazil

224 Engaging young people to address youth cyber safety issues in British Columbia, Canada

S. Martin, McCreary Centre Society, Canada

225 Education and smoking in Brazil

M. Justus, Center for Social, Urban and Regional Studies, Institute of Economics, University of Campinas, Brazil

226 Engaging experiential youth to address inequalities in educational outcomes for youth in government care in British Columbia, Canada

S. Martin, McCreary Centre Society, Canada

227 Political and Educational Reverberation for Healthy City: experience of medicinal garden in municipal public school

A. Sperândio, University of Campinas, Brazil

Coffee break: 9:30 - 10:00

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29/09 10:00 - 12:00 PLENARY 6

PL6 ENVIRONMENTAL HEALTH AND URBAN SUSTAINABILITY

Room: Main Auditorium

Built and natural environments are important determinants of health in cities. This session will explore a variety of urban environmental challenges, including air quality, soil and water contamination, traffic congestion, noise, poor housing conditions and the effects of climate change. Strategies for sustainable urbanization must include commitments for action towards achieving healthy urban environments that prevent and protect the population from environmental hazards.

CHAIR

Marian Jacobs

Emeritus Professor of Paediatrics and Child Health, University of Cape Town, South Africa

PANELLISTS

Yongguan Zhu

Professor of Soil Environmental Sciences and Environmental Biology, Chinese Academy of Sciences (CAS); Director General, Institute of Urban Environment, Xiamen, China

Sotiris Vardoulakis

Research Director, Institute of Occupational Medicine, United Kingdom

Lidia Morawska

Director of the International Laboratory for Air Quality and Health (ILAQH), Queensland University of Technology (QUT), Australia

Eugenie Birch

Lawrence C. Nussdorf Professor of Urban Education and Research, University of Pennsylvania, USA; Former Chair of the United Nations Human Settlements Programme's World Urban Campaign

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29/09 12:00 - 12:30 CLOSING CEREMONY

The Closing ceremony will include reflections on the main conclusions of the conference from the conference hosts and transfer of leadership of the International Society for Urban Health from the current president, Dr. Shamim Talukder to the newly elected president, Dr. Jo Ivey Boufford. The venue for the next conference will be announced.

Paula Santana

Co-chair of International Conference of Health, ICUH2017, University of Coimbra

José Pedro Paiva

Dean of Faculty of Arts and Humanities of UC (FLUC)

Fernando de Jesus Regateiro

Chairman of the Board of Coimbra Hospital and University Centre (CHUC)

José Tereso

Regional Administration for Health President (ARS-C)

Francisco George

Directorate of Public Health (DGS)

Jo Ivey Boufford

President of the New York Academy of Medicine



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