

# EUROPEAN JOURNAL OF PUBLIC HEALTH

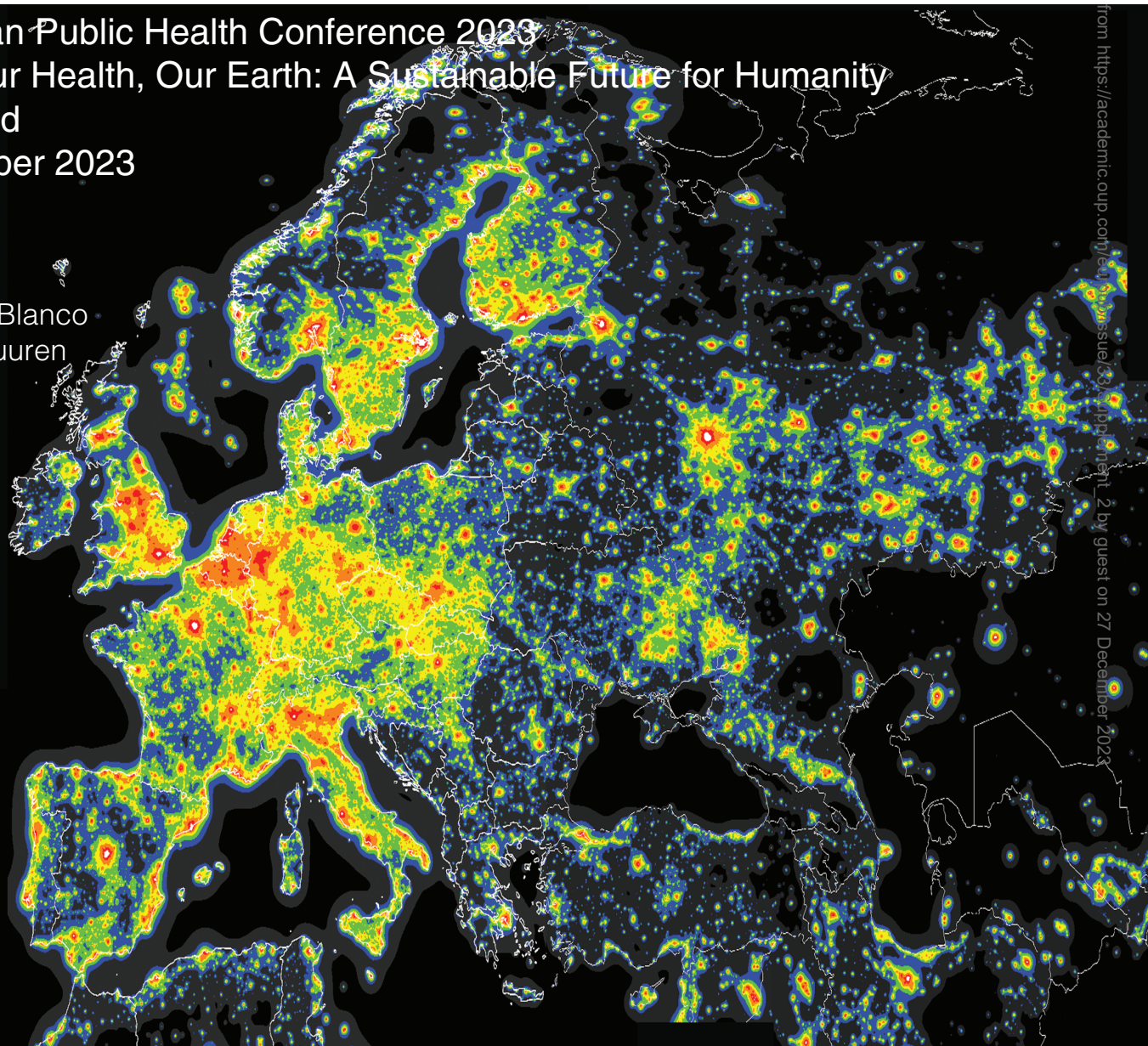
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16th European Public Health Conference 2023  
Our Food, Our Health, Our Earth: A Sustainable Future for Humanity  
Dublin, Ireland  
8–11 November 2023

**Guest Editors:**

Anthony Staines  
Regien Biesma-Blanco  
Marieke Verschuuren



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# EUROPEAN JOURNAL OF PUBLIC HEALTH

Volume 33 Supplement 2

## SUPPLEMENT

### 16TH EUROPEAN PUBLIC HEALTH CONFERENCE

Our Food, Our Health, Our Earth: A Sustainable Future for Humanity  
Dublin, Ireland  
8–11 November 2023

#### ABSTRACT SUPPLEMENT

Guest editors: Anthony Staines, Regien Biesma-Blanco, Marieke Verschuuren

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#### Disclaimer

This supplement includes the abstracts as submitted and corrected by the authors. All abstracts have been reviewed by the International Scientific Committee. EPH Conference is not responsible for any errors.

# 1. INTRODUCTION

We are extremely pleased to present you this abstract supplement for the European Public Health Conference 2023 in Dublin. Like every year, the scientific programme and this accompanying supplement are the fruits of the labours of the International Scientific Committee, who again had to score a higher number of submissions than in previous years. After the successful conference in Berlin, it is wonderful to see that also this year so many public health professionals want to share their latest research and engage in discussions with their peers. As for previous conferences, we are confident that the Dublin conference will prove to be an excellent platform for scientific exchange and debate.

This supplement to the European Journal of Public Health contains the abstracts of presentations at the 16<sup>th</sup> European Public Health

(EPH) Conference, held in Dublin from 8-11 November and includes abstracts for presentations for the main part of the conference (plenary sessions, oral presentations, workshops and posters).

For the EPH Conference 2023, we received a record 2,550 abstracts of which a record number of 257 workshops. All abstracts were scored by the members of the International Scientific Committee (ISC) of the EPH Conference. The ISC 2023 consisted of 151 public health experts from 33 countries and was chaired by Prof Regien Biesma-Blanco. To ensure scientific quality without bias, each abstract was scored by on average 4,46 reviewers, each workshop by 3,64. We are extremely grateful to all ISC members for the hard work this involved. The members of the ISC scoring in 2023 are listed below.

## International Scientific Committee, 2023, active

- |   |  |   |
|---|--|---|
| — Prof Regien Biesma, Netherlands - Chair | — Dr Kimberley Foley, United Kingdom           | — Prof Julian Mamo, Malta               |
| — Ms Mette Aadahl, Denmark                | — Dr Birger Forsberg, Sweden                   | — Mr Thomas Maribo, Denmark             |
| — Dr Oboh Achioyamen, United Kingdom      | — Dr Kate Frazer, Ireland                      | — Prof Piedad Martin-Olmedo, Spain      |
| — Prof Róza Ádány, Hungary                | — Mr Marthein Gaasbeek Janzen, Netherlands     | — Dr Sara McQuinn, Ireland              |
| — Dr Nina Adelberger, Germany             | — Prof Maria Gańczak, Poland                   | — Prof Anjum Memon, United Kingdom      |
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| — Prof Tit Albreht, Slovenia              | — Prof Margarida Gaspar De Matos, Portugal     | — Mrs Joana Moreno, Portugal            |
| — Prof Kristina Alexanderson, Sweden      | — Dr Francesco Gianfagna, Italy                | — Dr Anne Mosnier Mantel, France        |
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| — Mrs Tatiana Alves, Portugal             | — Dr Abby Gold, United States                  | — Prof Saoirse Nic Gabhainn, Ireland    |
| — Dr Gabriela Barbaglia, Spain            | — Prof Beatriz González-Valcarcel, Spain       | — Dr Emer O'Connell, Ireland            |
| — Prof Ronald Batenburg, Netherlands      | — Ms Vanessa Gorasso, Belgium                  | — Prof Anna Odone, Italy                |
| — Prof Fabrizio Bert, Italy               | — Dr Olivier Grimaud, France                   | — Prof Orkan Okan, Germany              |
| — Prof Johan Bilsen, Belgium              | — Prof Peter Groenewegen, Netherlands          | — Mr Kasper Olesen, Denmark             |
| — Dr Christopher Birt, United Kingdom     | — Prof Giuseppe Grosso, Italy                  | — Prof Nüket Paksoy Erbaydar, Turkey    |
| — Prof Uwe H. Bittlingmayer, Germany      | — Prof Ilona Grünberger, Sweden                | — Dr Maria Papadakaki, Greece           |
| — Petronille Bogaert, Belgium             | — Dr Stefano Guicciardi, Italy                 | — Dr Roberta Pastorino, Italy           |
| — Dr Henrik Bøggild, Denmark              | — Prof Catherine Hayes, Ireland                | — Dr Andre Peralta Santos, Portugal     |
| — Dr Richard Bränström, Sweden            | — Dr Henk Hilderink, Netherlands               | — Prof Julian Perelman, Portugal        |
| — Prof Ute Bültmann, Netherlands          | — Anne Illemaan Christensen, Denmark           | — Prof Ivan Perry, Ireland              |
| — Prof Genc Burazeri, Albania             | — Mr Damir Ivankovic, Netherlands              | — Dr Angelo Maria Pezzullo, Italy       |
| — Prof Reinhard Busse, Germany            | — Dr Marija Jakubauskiene, Lithuania           | — Dr Péter Pikó, Hungary                |
| — Dr Stefan Buttigieg, Malta              | — Dr Danielle Jansen, Netherlands              | — Dr Paulo Pinheiro, Germany            |
| — Dr John M Cachia, Malta                 | — Prof Marta Cecilia Jaramillo-Mejia, Colombia | — Dr Valérie Pittet, Switzerland        |
| — Prof Stefano Capolongo, Italy           | — Prof Marija Jevtic, Serbia                   | — Klaus D. Pluemer, Germany             |
| — Dr Marion Carey, Australia              | — Prof Ramune Kalediene, Lithuania             | — Prof Ileana Prejbeanu, Romania        |
| — Dr Evangelia Chryssikou, United Kingdom | — Prof Allan Krasnik, Denmark                  | — Prof Ossi Rahkonen, Finland           |
| — Prof Nesrin Cilingiroglu, Turkey        | — Dr Ellen Kuhlmann, Germany                   | — Dr Bina Ram, United Kingdom           |
| — Dr Thomas Classen, Germany              | — Dr Bernadette Kumar, Norway                  | — Prof Oliver Razum, Germany            |
| — Prof Judith de Jong, Netherlands        | — Prof Tobias Kurth, Germany                   | — Prof Andrea Rebecchi, Italy           |
| — Prof Luis de Souza, Brazil              | — Hannamaria Kuusio, Finland                   | — Prof Ralf Reintjes, Germany           |
| — Prof Chiara de Waure, Italy             | — Prof Giuseppe La Torre, Italy                | — Dr Sofia Ribeiro, Portugal            |
| — Prof Sonia Dias, Portugal               | — Prof Lucie Laflamme, Sweden                  | — Prof Eva Roos, Finland                |
| — Prof Marie-Luise Dierks, Germany        | — Prof Tea Lallukka, Finland                   | — Dr Nicole Rosenkötter, Germany        |
| — Prof Helen Dolk, United Kingdom         | — Dr Teresa Leão, Portugal                     | — Prof Luís Saboga-Nunes, Portugal      |
| — Prof Thomas Dorner, Austria             | — Dr Andreia Leite, Portugal                   | — Prof João Vasco Santos, Portugal      |
| — Prof Julia Dratva, Switzerland          | — Prof Alastair Leyland, United Kingdom        | — Prof Milena Šantrić Miličević, Serbia |
| — Natalie Durbeej, Sweden                 | — Prof Jutta Lindert, Germany                  | — Prof Sonia Saxena, United Kingdom     |
| — Mr Gilles Dussault, Portugal            | — Dr Johan Lund, Norway                        | — Dr Mathilde Sengoelge, Sweden         |
| — Dr Ivan Erzen, Slovenia                 | — Dr Alejandra Machado, Sweden                 | — Prof Andreia Silva da Costa, Portugal |
| — Dr Carlo Favaretti, Italy               | — Dr Els Maeckelberghe, Netherlands            | — Dr Natalia Skogberg, Finland          |
| — Prof Patricia Fitzpatrick, Ireland      | — Prof Tomi Mäki-Opas, Finland                 | — Dr Signe Smith Jervelund, Denmark     |
| — Dr Silvia Florescu, Romania             |  | — Prof Paulo Sousa, Portugal            |
|   |  | — Prof Anthony Staines, Ireland         |
|   |  | — Prof Danijela Stimac Grbic, Croatia   |
|   |  | — Prof Christiane Stock, Germany        |
|   |  | — Prof Saverio Stranges, Canada         |

— Prof Birute Strukcinskiene, Lithuania	— Dr Peter Van Den Hazel, Netherlands	— Prof Paolo Villari, Italy
— Dr Sakari Suominen, Finland	— Dr Arjan van der Star, Sweden	— Ms Verena Vogt, Germany
— Prof Pernille Tanggaard Andersen, Denmark	— Dr Aurélie Van Hoye, Ireland	— Mr Greg Williams, United Kingdom
— Dr Louise T. Thomsen, Denmark	— Dr Paula Vassallo, Malta	— Dr Jason Wu, Australia
— Dr Hanna Tolonen, Finland	— Dr M Luisa Vázquez Navarrete, Spain	— Prof Silviya Yankulovska, Bulgaria
— Dr Marius-Ionuț Ungureanu, Romania	— Prof Arnoud Verhoeff, Netherlands	— Dr Dineke Zeegers Paget, Netherlands
	— Dr Marieke Verschuuren, Netherlands	
	— Prof Susana Viegas, Portugal	

The abstracts were scored on a scale of 0 to 7. The average score of the single abstracts was 4,478. The highest score was 6,500 and the lowest 1,000. The average score of workshops was 5,031. The highest score was 6,667 and the lowest 1,667. Only the highest scoring abstracts are accepted for the EPH Conference. We accepted 120 workshops out of 257 and 1,623 single abstracts out of 2 293 submitted. The EPH Conference Executive Board decided on 14 June 2023 on cut-off points for workshops, oral presentations and poster presentations, resulting in an excellent selection of workshops and presentations, as showcased in this abstract supplement.

Workshops	average score of 5,300 or higher were accepted
Oral presentations (8-minute presentation)	average score of 5,630 or higher were accepted
Pitch presentations (5-minute presentation)	average score of 5,250 or higher were accepted
E-Poster walks (3-minute presentation)	average score of 5,100 or higher were accepted
E-Poster displays (throughout the programme)	average score of 4,200 or higher were accepted

Following these decisions, abstracts were grouped in sessions, sessions in tracks and tracks were linked to the contents of the plenary programme. The programme for EPH Conference 2023 is organised in 16 thematic tracks, that mix workshops and oral sessions.

The 16 thematic tracks are:

- A. Food Revolution: Transforming Food Systems and Marketing
- B. Fighting Infectious Diseases: Epidemiology, Pandemic, Vaccines
- C. Bridging Borders: Collaboration for Health and Sustainability
- D. Easing the Burden: Responding to the Threat of Chronic Diseases

- E. Fostering our habitat: Climate Emergency, Environment and health, Urban Health
- F. Expanding Horizons: Digital Innovations, Monitoring, Foresight
- G. Data-Driven: Assessments for Informed Policy-Making
- H. Equity Restored: Improving Health through Law and Ethics
- I. Health Policies: Engaging in Public Debates, Politics, Advocacy
- J. Promoting Health: Better Health throughout the Life Course
- K. Empowering Citizens: Enhancing Health Literacy, Population Health
- L. Transforming Health Systems: Strength, Resilience, Efficacy
- M. Strengthening the Core: Health Workforce Research and Skills Development
- N. Maternal, Child, Adolescent Health: Caring for Our Next Generation
- O. Mental Health Matters: Advancements in Public Mental Health
- P. Embracing Diversity: Migration, LGBTQI+, Minority Health

The posters are on display throughout the whole conference.

As always, the International Scientific Committee members greatly enjoyed reading the submissions, many of them stating that it is a great exercise to learn about new developments in their field of expertise. We hope that you will find this volume equally interesting, and even more so the actual presentations, which promise to be of high quality yet again.

Looking forward to welcoming you all in Dublin,

Prof. Anthony Staines, Chair of the 16<sup>th</sup> European Public Health Conference

Prof. Regien Biesma-Blanco, Chair of the International Scientific Committee

Dr Marieke Verschuuren, Executive Director EPH Conference

all types of activities commonly performed by elderly. High PASE values correspond to high levels of physical activity.

**Results:**

The percentage of physically active elderly decreased significantly during the pandemic, from 39% (CI95% 38.3-39.8) in 2016-2019 to 35% (CI95% 33.7-36.4) in 2020-2021. The decline is greater among people with economic difficulties (44.4% to 37.5), women (from 36.7% to 33.5%), among those with chronic diseases (from 37% to 31%) or sensory impairment (from 31.3% to 27.5%). Participation in social life declines significantly from 23.1% (95% CI 22.5.1-23.8) in the pre-covid period to 14.2 (95% CI 13.2-15.1) in 2020-2021. The pandemic develops in a context where inequalities in prevention and care already exist; 32% of elderly declared difficulties in accessing health services in 2016-2019. During pandemic period 28% of the over-65s gave up at least one medical or diagnostic examination with a risk of delayed in diagnosis and treatment.

**Conclusions:**

PdA shows the importance of monitoring the strong impact of emergency on several aspects of elderly population to reorganize the local health system organization, implement targeted interventions and improve the health services' offers to reduce inequalities.

**Key messages:**

- Reorganize the local health system is crucial to improve targeted interventions and reduce inequalities in care and prevention for elderly population.
- Early diagnosis and adequate therapy are crucial in old age.

**Abstract citation ID: ckad160.983**

**The elderly health profile and health services access during 2020-2021: results from Passi d'Argento**

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**Background:**

The COVID-19 pandemic has affected the community in multiple health, economic, social and cultural aspects and the impact was stronger among the over-65s. PASSI d'Argento (PdA) surveillance system monitors the effects on physical activity, participation in social life and healthcare renunciation due to fear of Covid contagion or services interruption.

**Methods:**

Since 2016, PdA has been continuously collecting information on health, behavioural risk factors, quality of life and the care and assistance needs of elderly people. Data is collected through an anonymous and standardised questionnaire. Physical activity is assessed with the Physical Activity Scale for Elderly, an internationally validated instrument that considers