







Policy Symposium on NCD Prevention:

Future directions for nutrition and physical activity policies to prevent NCDs across Europe

14th-16th June 2022 Thon Hotel Brussels City Centre



The four projects organising this overt have received European functing as follows: CO-CREATE and STOP have received funding from the European Union's teartion 2020 Research and innovation Programme under the grant agreement No. 7744210 and No. 7744548 respectively. JR Boot ReMail has received funding from the European Europe







Parallel Session 5

The development and implementation of the Physical Activity Environment Policy Index (PA-EPI)

PEN Presenting Authors: Catherine Woods; Peter Gelius; Sven Messing; Liam Kelly; Joanna Zukowska; Nicole den Braver and Kevin Volf

STOP Presenting Author: Gregor Starc

Chairs: Enrique García Bengoechea & Aurelie Van Hoye

Parallel Session 5 Overview



Day 2 · Wednesday 15th June

Time (CET)	Session details
9:00 - 10:30	Parallel session 5
	The development and implementation of the Physical Activity Environment Policy Index (PA-EPI)

When	What	Who
09:00-09:05	Welcome/Introduction	Chairs
		Enrique García Bengoechea & Aurelie Van Hoye
09:05-10:00	The development of the PA-EPI	PEN
(5 x 10mins)	1. Using the HEPA PAT in four countries to inform the PA-EPI	1. Peter Gelius & Sven Messing
(<i>o n</i> 20o,	2. Systematic Literature Reviews	2. Liam Kelly, Joanna Zukowska & Nicole van Braver
	3. PA-EPI Framework	3. Catherine Woods
	4. PA-EPI Implementation Rating & Prioritization	4. Kevin Volf
	5. PA-EPI Next Steps	5. Catherine Woods
10:00-10:20	The Active Lifestyle school intervention: Lessons learned	STOP - Gregor Starc
10:20-10:30	Q&A	ALL

Aim of PEN

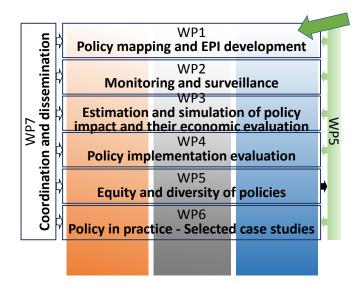


Establish a multi-disciplinary research network for the monitoring, benchmarking and evaluation
of policies that affect dietary and physical activity as well as sedentary behavior with a standardized
approach across Europe

Country (N=8)	Number of partners (N=28)
France	2
Germany	9
Ireland	3
Italy	2
Netherlands	5
Norway	2
Poland	4
New Zealand	1

7 Work packages





Non-communicable Diseases



71%

of all deaths are due to Noncommunicable diseases (NCD's)



41_{Million}

deaths each year are due to NCDs

15 Million

Are premature deaths each year (that is between ages of 30-70 years)



10% reduction in inactivity by 2025

REF: https://www.who.int/nmh/publications/ncd-infographic-2014.pdf

Sustainable Development Goals





By 2030, reduce by one-third premature mortality from noncommunicable diseases (NCDs) through prevention and treatment, and promote mental health and wellbeing

Policy: Upstream solution

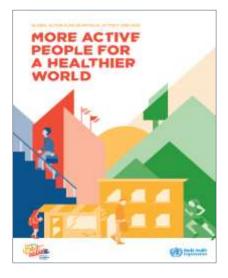
The role of policy is to change systems instead of individuals, and in doing so, create supportive contexts in which programmes and environments collectively can reduce non-communicable diseases, including obesity.





PEN Policy Evaluation Network

A NEW ROAD MAP FOR ALL COUNTRIES: 2018



Goal to reduce physical inactivity by 15% by 2030

A systems-based approach



Website: www.who.int/lets-be-active/en/

Acknowledge: Dr. Fiona Bull, WHO

Physical Activity (WP1)





Objectives Peter & Sven

- 1. Completion of the WHO HEPA PAT for PA in 4 PEN countries
 - Analyse context and gather empirical data WHO HEPA Policy Audit Tool.
 - Establish a national and EU PA expert panel
 - Final version of PAT
- 2. Identification of policies to be included in PA-EPI
 - Scientific rationale for policy inclusion in PA-EPI.
 - Systematic Literature Reviews
 - Grey literature search
 - Data synthesis
- 3. Development of the PA-EPI prototype and testing
 - Expert Consultation and PA EPI prototype development
 - Obtain consensus, test and publish the EU PA EPI prototype

Liam, Joanna & Nicole

Catherine & Kevin

https://www.jpi-pen.eu/pa-epi.html



Parallel Session #5

The development and implementation of the Physical Activity Environment Policy Index (PA-EPI)

Using the HEPA PAT in four countries to inform the PA-EPI

Presenters: Peter Gelius, Sven Messing,

Co-authors: Sarah Forberger, Jeroen Lakerveld, Fiona Mansergh, Wanda Wendel-Vos, Joanna Zukowska & Catherine Woods

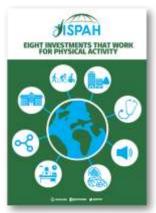


Methodology for PA-EPI development



- 1. Build on existing work
- Scientific literature reviews
- Review of relevant policy documents from international or supranational organisations and agencies (e.g., WHO, ISPAH, UNESCO)
- 4. Expert & policy maker review







INFORMAS: www.informas.org; International Society of Physical Activity and Health: www.ispah.org

Background



Increasing relevance of public policies for promoting physical activity (PA) but limited knowledge about the status, implementation and effectiveness of policies promoting PA in different countries

Aims

- 1. Reporting results of auditing PA promoting policies in Germany, Ireland, the Netherlands and Poland
- 2. Providing information on the practical aspects of applying WHO's Health Enhancing Physical Activity Policy Audit Tool (HEPA PAT) in different national contexts
- 3. Informing the development of the Physical Activity Environment Policy Index (PA-EPI)

Methods

Use of WHO's Health-Enhancing Physical Activity Policy Audit Tool (HEPA PAT), Version 2

- Standardized instrument to assess national policy approaches to PA promotion
- · Questionnaire with 29 closed and openended questions
- To be completed collaboratively by a national team of "relevant stakeholders"



Methods

Academia-driven data collection, division of HEPA PAT questions into three categories

- Use of data collected during the 2018 round of the EU PA Monitoring Framework survey
- 2. Desk research
- 3. Expert opinion

Data collection in 2019

Data analysis based on the stages model of the policy process (policy cycle)



. _

Key results

- Policy-making structures vary strongly across countries, influence should be further investigated
- National health monitoring and PA prevalence data play a similar role for agenda setting in all countries.
- Differences in leadership for policy formulation (single sector vs. shared leadership).



Key results

- **Decision-making** seems to occur mainly with a health and sport perspective in mind.
- Policy implementation covers all major population groups in the form of PA programs and intervention. Funding is split between different government sectors and levels.
- The need for policy evaluation is recognized in all four countries, but not all major policies have built-in evaluation mechanisms.



Conclusions

Policy-making



Countries are already very active but that there is room for improvement in a number of areas.



Awareness for PA promotion needs to be increased in sectors beyond sport and health.





Mechanisms that ensure the evaluation of all future PA policies need to be created.

Conclusions



Policy monitoring



A research-driven, systematic approach to completing the HEPA PAT is highly complementary with other tools and frameworks



EU countries could use the triennial survey on the HEPA Monitoring as a basis to conduct more in-depth monitoring



Political support at the national level and adequate, reliable resourcing would be needed to build a permanent monitoring system

19

Conclusions

Informing the PA-EPI



Provision of detailed knowledge of government's policymaking structures



Understanding of governments' engagement in all stages of the policy cycle

www.who-cc.sport.fau.eu

peter.gelius@fau.de / sven.messing@fau.de





Identification of key PA policymakers for the online consultation phase of the PA-EPI development



Parallel Session #5

The development and implementation of the Physical Activity Environment Policy Index (PA-EPI)

Systematic Literature Reviews

Presenters: Liam Kelly 1; Nicole den Braver^{4,5}; Joanna Zukowska ⁶

Co-authors: Catherine Woods ¹; Kevin Volf ¹; Peter Gelius ²; Sven Messing ²; Sarah Forberger ³; Jeroen Lakerveld ^{4,5}; A Gobis ⁶ and Enrique García Bengoechea ¹ on behalf of the PEN consortium

- Department of Physical Education and Sport Sciences, University of Limerick, Limerick, Ireland.
- 2. Friedrich-Alexander-Universität Erlangen-Nürnberg, Erlangen, Germany.
- 3. Leibniz Institute for Prevention Research and Epidemiology BIPS, Bremen, Germany.
- 4. Amsterdam Public Health Research institute, The Netherlands
- 5. Upstream Team, Amsterdam UMC, VU University Amsterdam, The Netherlands
- 6. Faculty of Civil and Environmental Engineering, Gdansk University of Technology, Gdansk, Poland.









Methodology

- Build on existing work
- 2. Scientific literature reviews
- 3. Review of relevant policy documents from international or supranational organisations and agencies (e.g., WHO, ISPAH, UNESCO)
- 4. Expert & policy maker review





Woods CB, Volf K, Kelly L, Casey B, Gelius P, Messing S, Forberger S, Lakerveld J, Zukowska J, Bengoechea EG; PEN consortium. The evidence for the impact of policy on physical activity outcomes within the school setting: A systematic review. J Sport Health Sci. 2021 Jan 19:S2095-2546(21)00006-5. doi: 10.1016/j.jshs.2021.01.006. Epub ahead of print. PMID: 33482424.

Volf K, Kelly L, García Bengoechea E et al. Policy Evaluation Network (PEN): Protocol for systematic literature reviews examining the evidence for impact of policies on physical activity across seven different policy domains (version 4; peer review: 3 approved). HRB Open Res 2022, 3.62 (https://doi.org/10.12688/hrbopenres.13089.4)NOTE: it is important to ensure the information in square brackets after

Results: 9 Policy Areas (22 policy actions) (3035 to 25 included studies) olicy Evaluation Network



- 1. School PA policy (1 policy action)
- 2. Physical Education (6)
- 3. Sport/Extracurricular PA (6)
- 4. Active breaks/Recess (2)
- 5. PA in the classroom (1)
- 6. Physical environment (2)
- 7. Shared use agreements (1)
- 8. Active transport (1)
- 9. Surveillance (2)



23

Acknowledge: Catherine Woods (Lead author))

Summary

- Evidence supports the effectiveness of PA policy actions within the school setting but cautions against a "one-size fits all" approach.
- Greater clarity regarding terminology, measurement, and methods for evaluation of policy interventions is needed.
- Research recommends; Multi-component, Multi-level approaches are recommended, but these rarely included a robust evaluation of the policy component.
- Emphasizes the need to examine policy implementation to maximise translation into practice.



The evidence for the impact of policy on physical activity outcomes within the school setting: A systematic review. Journal of Sport and Health Science, Volume 10, Issue 3, 2021, Pages 263-276, ISSN 2095-2546, https://doi.org/10.1016/j.jshs.2021.01.006. https://www.sciencedirect.com/science/article/pii/S2095254621000065

Acknowledge: Catherine Woods (Lead author))



Sport policy impact on physical activity: a systematic review

What we already know...

Benefits and harms

Participation in sport can contribute substantially to health by promoting physical activity. Sport participation is also associated with other benefits such as enhanced wellbeing, quality of life and even academic performance.

Priority of the problem

Publications released by the European Commission reveal that nearly half (46%) of Europeans never exercise or participate in sport, in spite of the various benefits mentioned above. Studies of the determinants of sport participations show disparities between males and

Acknowledge: Kevin Volf (Lead author))



2

Results: Sport SLR (6472 to 14 included studies)

Drawing upon evidence from both qualitative and quantitative study designs, we generated the four categories of policy intervention identified in our review:

- **1. Facility Availability** (Build multi-purpose sport infrastructure and facilities).
- 2. Financial Incentives (Provide free access for identified target groups [under 16s and over 60s or people on benefits]; Provide a voucher programme subsidising structured PA and sports).
- **3. Collaboration** (Fund programmes that collaborate with county sports partnerships to increase sport participation in hard-to-reach groups; Promote detailed SUAs).
- **4. Exhortation** (Combine free access with outreach measures; Leverage sporting mega-events to promote PA).

Policy Evaluation Network Records identified Through database searching (n = 6472) Titles and abstracts suckeled, with Records after duplicates remo reasons (iv = 3612) Wrong population = (n + 3705)No policy exposure = 1885 trapprograms redicorns = 3454 Publication type = 130 lable in English language Titley and abstracts screened (n = 3705) Full-test articles excluded, with (m = 762 Wrong population = 6 No policy exposure = 27 Inappropriate outcome = 28 for eligibility (n = 90) Publication type = 15 Studies included after full text screening (n - 1)!Studies included in half-text articles identified from corrective synthesis. Thaties included in Quantitative synthesis (n = 14)

Acknowledge: Kevin Volf (Lead author))



Sport policy impact on physical activity: Policy Recommendations

1. Ensure adequate access to sport facilities.

- Policies to build sports facilities have correlated with increased sport participation levels.

2. Beware the complicated effects of financial incentives.

- Some studies suggest that providing free entry to public swimming pools leads to displacement of existing users of those facilities.

3. Build the capacity of sports clubs.

- Expecting sports clubs to promote PA behaviours may conflict with their competitive priorities.

4. Understand that the least active are hard to reach via sport.

- Many public policy interventions are reported to work on people who are moderately motivated to participate in PA.

UNIVERSITY OF LIMERICK CILISCON LIMERON Institute

27

Acknowledge: Kevin Volf (Lead author))

Transport









Policy Evaluation Network

Acknowledge: Joanna Zukowska (Lead author))



Results: Transport SLR (3840 to 17 included studies)

3 POLICY AREAS / 60 policy actions

Convenient Transport Infrastructure

• (sign. positive: walking paths, new traffic-free cycling routes, new bus shelters, new bus lines, safer urban and streets design, traffic calming)

Active Travel Programming & Promotion

• (sign. positive: personal travel planning, individual active travel guidelines, promotional activities on active transport)

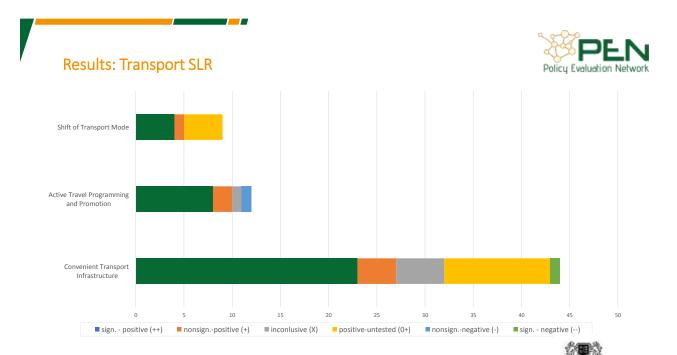
Shift of Transport Mode

• (sign.positive: ticketing improvements, discounted season tickets, free university bus service, increased parking charges, public transport frequency)



Acknowledge: Joanna Zukowska (Lead author))

29



Acknowledge: Joanna Zukowska (Lead author))

Mass Media (1915 to 22 included studies)



- Meta-analyses (n = 2)
- SLR (n = 16)
- Narrative (n = 3)
- Umbrella (n = 2)





Amsterdam UMC

Acknowledge: Nicole Den Braver (Lead Author)

Policy recommendations derived from mass-media SLR



- To achieve behaviour change, mass-media is an important component of larger, multilevel, and multicomponent strategies
- · Mass-media strategies should be coordinated and aligned at localand national-level, and be sustained, monitored and recourse at these levels
- Media should be tailored to reduce socioeconomic inequalities



So, what does the scientific literature add...

Policy Recommendation	Mention in # of reviews	PA-EPI Implication
Plan and support long-term, sustained strategies	6	There are national and/or subnational public policies in place that ensure media and education campaigns that
Resource adequate evaluation and monitoring	10	promote and support physical activity are sustained and monitored
Combine media with complementary initiatives i.e. prevention strategies, health brands, community activities	14	There are clear, consistent policies to ensure that multiple media modes/channels (e.g., via posters, social media, radio as well as TV) combined with complementary community initiatives are used to promote the benefits of physical
Intersectoral partnerships and local level	3	activity and disseminate guidelines which align with the WHO physical activity recommendations.
Tailor to target groups / audience segmentation	7	There are public policies in place to ensure mass media contain evidence informed focused physical activity messages, appropriate for and tailored to the target audience.

Acknowledge: Nicole Den Braver (Lead Author)



33

In summary, what does the scientific literature add...



- Evidence supports the effectiveness of PA policy actions across multiple policy and infrastructure support domains.
- Greater clarity regarding terminology is essential PEN Glossary.
- Policy interventions can have unintended consequences.
- Intersectoral partnerships and actions are key across policy domains and infrastructure support domains.
- More robust measurement and methods for evaluation of policy interventions are required.
- There is a need to examine policy implementation and methods for benchmarking to maximise translation into practice



Parallel Session #5

The development and implementation of the Physical Activity Environment Policy Index (PA-EPI)

PA-EPI Framework

Presenters: Catherine Woods 1 & Kevin Volf 1

Co-authors: Liam Kelly ¹; Aurelie van Hoye ¹; Peter Gelius ²; Sven Messing ²; Sarah Forberger ³; Jeroen Lakerveld ^{4,5}; Nicole den Braver^{4,5}; Joanna Zukowska ⁶ and Enrique García Bengoechea ¹ on behalf of the PEN consortium

- 1. Department of Physical Education and Sport Sciences, University of Limerick, Limerick, Ireland.
- 2. Friedrich-Alexander-Universität Erlangen-Nürnberg, Erlangen, Germany.
- 3. Leibniz Institute for Prevention Research and Epidemiology BIPS, Bremen, Germany.
- 4. Amsterdam Public Health Research institute, The Netherlands
- 5. Upstream Team, Amsterdam UMC, VU University Amsterdam, The Netherlands
- $6. \ Faculty of \ Civil \ and \ Environmental \ Engineering, \ Gdansk \ University \ of \ Technology, \ Gdansk, \ Poland.$



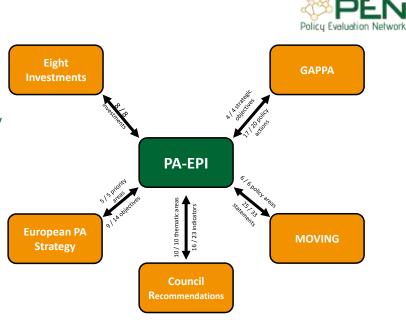






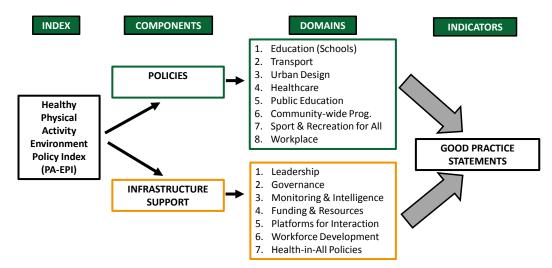
Methodology

- 1. Build on existing work
- 2. Scientific literature reviews
- Review of relevant policy documents from international or supranational organisations and agencies (e.g., WHO, ISPAH, UNESCO)
- 4. Expert & policy maker review



PA-EPI Prototype





Reference: Adapted from INFORMAS Food-EPI (www.informas.org

Methodology

- 1. Build on existing work
- Scientific literature reviews
- Review of relevant policy documents from international or supranational organisations and agencies (e.g., WHO, ISPAH, UNESCO)
- Expert and policy maker review.



Stage 1 (Academics) Development of Good Practice Statements (GPS)

101 Experts Invited to Partake

- 72% (n=73) Replied to Invite
- 71% (n=52) Fully Completed Review
- 19% (n=14) Partially Completed Review
- 10% (n=7) Declined
- Experts from 20 Countries with 885 Comments

Methodology

- 1. Build on existing work
- 2. Scientific literature reviews
- Review of relevant policy documents from international or supranational organisations and agencies (e.g., WHO, ISPAH, UNESCO)
- 4. Expert and policy maker review.



Stage 1 (Academics) Development of Good Practice Statements (GPS)

101 Experts Invited to Partake

- 72% (n=73) Replied to Invite
- 71% (n=52) Fully Completed Review
- 19% (n=14) Partially Completed Review
- 10% (n=7) Declined
- Experts from 20 Countries with 885 Comments

Stage 2 (Phase 1) Academics Review GPS

66 Experts from Stage 1 invited75% (n=50) participated

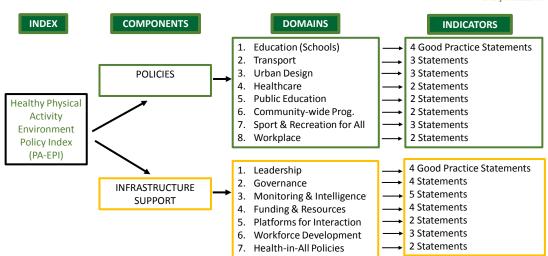
Stage 2 (Phase 2) Policymakers Review GPS

 40 Policymakers, 4 EU countries across all 8 policy domains

39

PA-EPI Framework





Reference: Adapted from INFORMAS Food-EPI (www.informas.org)

PA-EPI: Education Domain (Example)





Physical education

School-related physical activity

Shared use agreements to utilise school spaces

E04 Safe active travel

41

PA-EPI: Indicator E01 (Example)



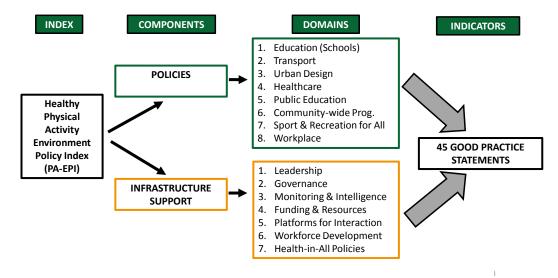
E01

Evidence-informed, quality mandatory physical education that promotes and supports the ideals of equity, diversity and inclusion and adheres to defined standards is part of the curricula in all schools.

E02 School-related physical activity E03 Shared use agreements to utilise school spaces E04 Safe active travel

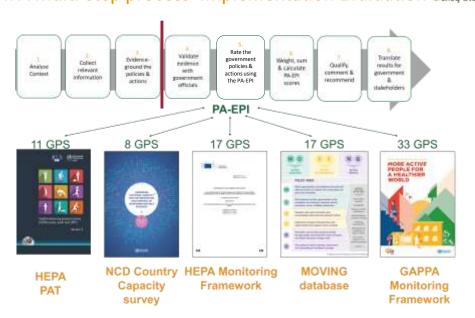
PA-EPI Framework





https://www.jpi-pen.eu/

PA-EPI: A multi-step process 'Implementation Evaluation Lean Scaluation Network



PA-EPI & Policy Monitoring Tools



Overlap with indicators used in existing monitoring tools and systems:
- MOVING database (CO-CREATE) - HEPA Monitoring Framework survey (EU/WHO) - NCD Country Capacity Survey (WHO) - HEPA PAT (WHO) - GAPPA Monitoring Framework (WHO)
39 out of 45 PA-EPI Good Practice Statements (87%)

Policy domains					
Education (Schools)	E01*	E02	E03	E04	
Transport	T01*	T02	T03		
Urban design	UD01	UD02	UD03		
Healthcare	H01	H03			
Mass media	MM01	MM02			
Community	C02	C03		_	
Sport	SP01	SP02	SP03		
Workplace	W01	W02			
Infrastructure domains					
Leadership	L01	L02	L03	L04*	
Governance	G01	G02	G03	G04	
Monitoring and intelligence	MI01	MI02	MI03	MI04	MI05
Funding and resources	FR01	FR02	FR03	FR04	
Platforms for interaction	PI01	PI03			
Workforce development	WD01	WD02	WD03		
Health in all policies	HIAP01	HIAP02			

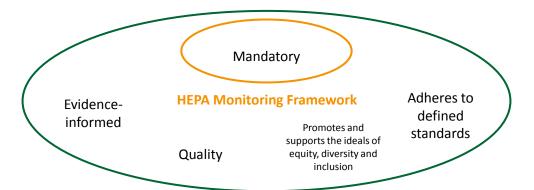
^{*} SIMPLE modules developed

DE N.

Policy Evaluation Network

PA-EPI & Policy Monitoring Tools: Example

PA-EPI Good Practice Statement E01: Physical education in school curricula



PA-EPI Good Practice Statement

PA-EPI: A multi-step process



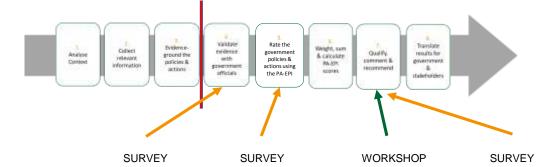


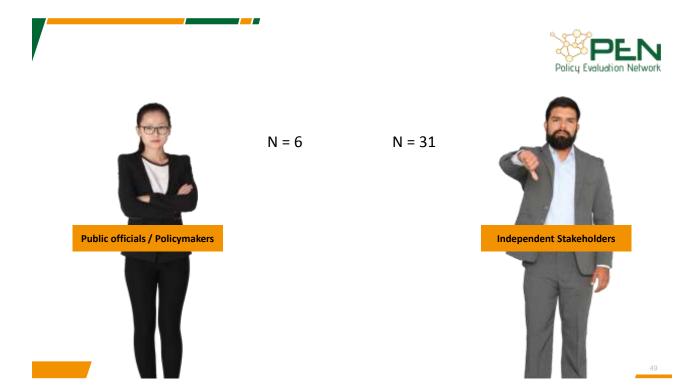


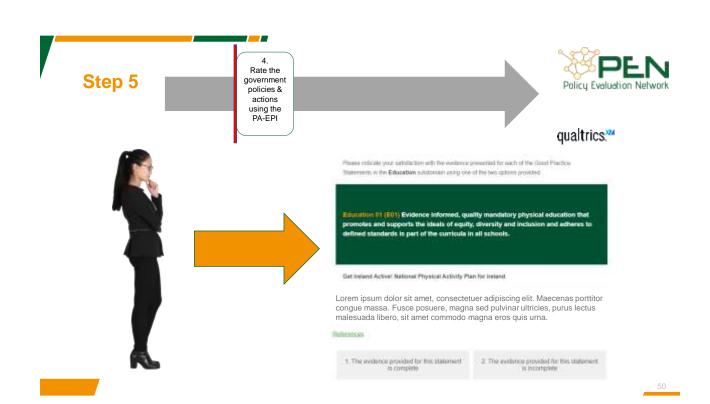
47

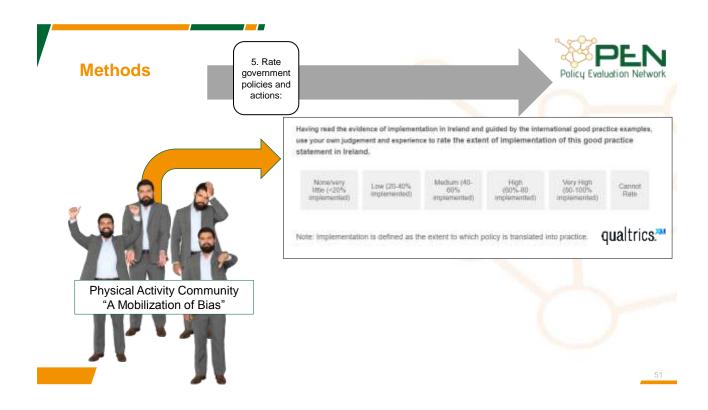
Piloting the PA-EPI

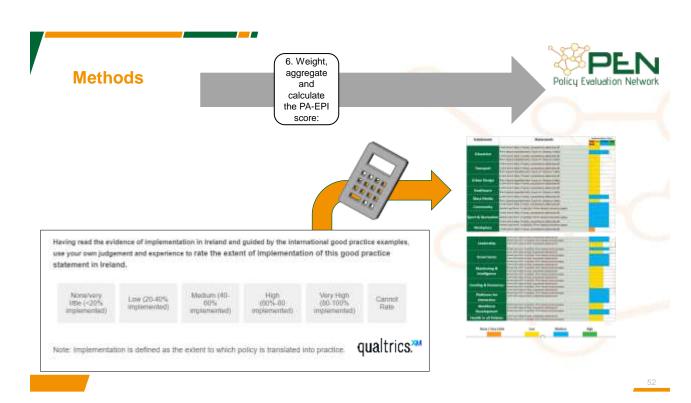


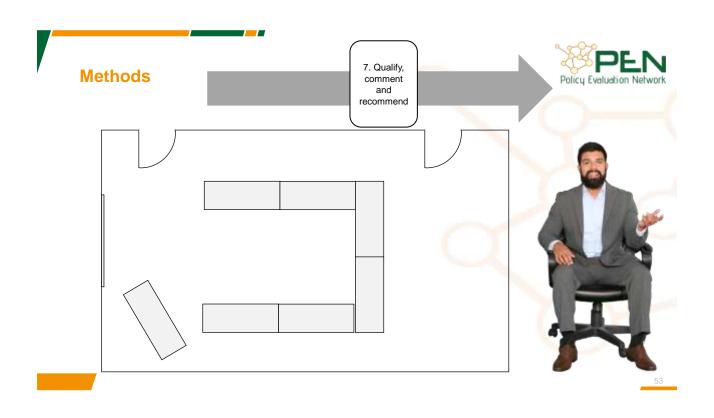


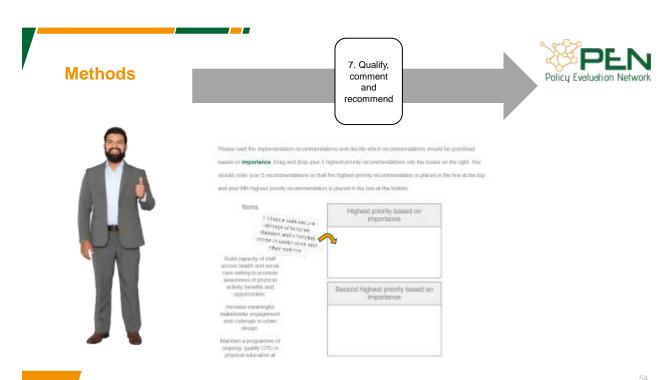












0.

Results









55

Results



Subdomain	Statements	Implem	entation Status			
	Statements	None Lov	Medium High			
	Physical education		1			
Education	School-related physical activity					
Education	Shared use agreements to utilise school spaces					
	Safe active travel		وناكير			
	Lorem ipsum dolor sit amet, consectetuer adipiscing elit*.			*The Good		
Transport	Lorem ipsum dolor sit amet, consectetuer adipiscing elit.			Practice		
	Nunc viverra imperdiet enim. Fusce est. Vivamus a tellus.		200	Statements are		
	Lorem ipsum dolor sit amet, consectetuer adipiscing elit.			in Press in the		
Urban Design	Nunc viverra imperdiet enim. Fusce est. Vivamus a tellus.					
	Lorem ipsum dolor sit amet, consectetuer adipiscing elit			European		
Harabile and	Lorem ipsum dolor sit amet, consectetuer adipiscing elit.			Journal of		
Healthcare	Nunc viverra imperdiet enim. Fusce est. Vivamus a tellus.			Public Health		
Mass Media	Lorem ipsum dolor sit amet, consectetuer adipiscing elit.					
iviass iviedia	Nunc viverra imperdiet enim. Fusce est. Vivamus a tellus.					
	Lorem ipsum dolor sit amet, consectetuer adipiscing elit.					
Community	Aenean nec lorem. In porttitor. Donec laoreet nonummy augue.					
Sport & Recreation	Lorem ipsum dolor sit amet, consectetuer adipiscing elit.					
	n Aenean nec lorem. In porttitor. Donec laoreet nonummy augue.					
	Lorem ipsum dolor sit amet, consectetuer adipiscing elit.					
Workplace	Aenean nec lorem. In porttitor. Donec laoreet nonummy augue.					
	Lorem ipsum dolor sit amet, consectetuer adipiscing elit.					

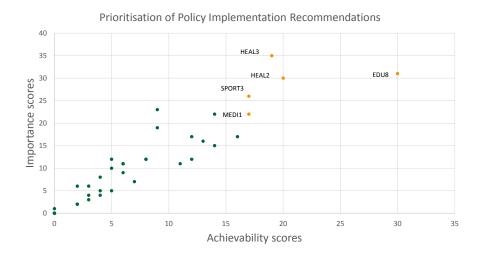
Results



C. dada	Chahamanta		pleme	ntation Sta				
Subdomain	Statements			Medium	High			
	Lorem ipsum dolor sit amet, consectetuer adipiscing elit.	None	_					
	Aenean nec lorem. In porttitor. Donec laoreet nonummy augue.							
Leadership	Lorem ipsum dolor sit amet, consectetuer adipiscing elit.			_				
Leadership	Lorent ipsum dolor sit amet, consectetuer adipiscing ent.							
	Aenean nec lorem. In porttitor. Donec laoreet nonummy augue.							
	Lorem ipsum dolor sit amet, consectetuer adipiscing elit.							
6	Aenean nec lorem. In porttitor. Donec laoreet nonummy augue.					*The Good		
Governance	Lorem ipsum dolor sit amet, consectetuer adipiscing elit.					Practice		
	Aenean nec lorem. In porttitor. Donec laoreet nonummy augue.					Pructice		
	Lorem ipsum dolor sit amet, consectetuer adipiscing elit.					Statements a		
Monitoring &	Aenean nec lorem. In porttitor. Donec laoreet nonummy augue.					in Press in the		
· ·	Lorem ipsum dolor sit amet, consectetuer adipiscing elit.							
Intelligence	Aenean nec lorem. In porttitor. Donec laoreet nonummy augue.							
	Lorem ipsum dolor sit amet, consectetuer adipiscing elit.							
	Aenean nec lorem. In porttitor. Donec laoreet nonummy augue.					Journal of Public Health		
Founding Q Deserves	Lorem ipsum dolor sit amet, consectetuer adipiscing elit.							
Funding & Resources	Aenean nec lorem. In porttitor. Donec laoreet nonummy augue.							
	Lorem ipsum dolor sit amet, consectetuer adipiscing elit.							
Diatfaussa fau	Aenean nec lorem. In porttitor. Donec laoreet nonummy augue.							
Platforms for	Lorem ipsum dolor sit amet, consectetuer adipiscing elit.							
interaction								
Martiforne	Aenean nec lorem. In porttitor. Donec laoreet nonummy augue.							
Workforce	Lorem ipsum dolor sit amet, consectetuer adipiscing elit.							
Development	Aenean nec lorem. In porttitor. Donec laoreet nonummy augue.							
Haalth in all Balisias	Lorem ipsum dolor sit amet, consectetuer adipiscing elit.							
Health in all Policies	Aenean nec lorem. In porttitor. Donec laoreet nonummy augue.							

(Preliminary) results

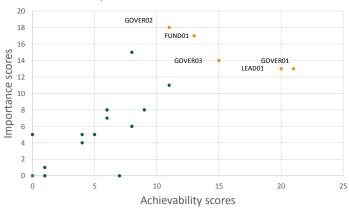




(Preliminary) results



Prioritisation Scores of Infrastructure Support Implementation Recommendations



Benchmarking Policy Evaluation Network 8. Translate results for government and others 1. Agenda "Too many studies focus on 5. Policy Setting Evaluation supplying scientific evidence to reduce uncertainty; focus instead on increasing demand for evidence" 4. Policy 2. Policy Implementation Formulation (Cairney and Oliver, 2017) 3. Decision Making

Policy Cycle, adopted from Howlett et al., 2009

Cairney, P., Oliver, K. (2017) 'Evidence-based policymaking is not like evidence-based medicine, so how far should you go to bridge the divide between evidence and policy?', Health Research Policy and Systems, 15(1), 1–11. Howlett, M., Ramesh, M., Perl, A. (2009) Studying Public Policy Policy Cycles & Policy Subsystems, 3rd ed, Oxford University Press: Toronto, Canada.



Parallel Session #5

The development and implementation of the Physical Activity Environment Policy Index (PA-EPI)

PA-EPI Next Steps

Presenter: Catherine Woods 1

Co-authors: Liam Kelly ¹; Kevin Volf ¹; Peter Gelius ²; Sven Messing ²; Sarah Forberger ³; Jeroen Lakerveld ^{4,5}; Nicole den Braver^{4,5}; Joanna Zukowska ⁶ and Enrique García Bengoechea ¹ on behalf of the PEN consortium

- $1.\ Department of Physical Education and Sport Sciences, University of Limerick, Limerick, Ireland.$
- 2. Friedrich-Alexander-Universität Erlangen-Nürnberg, Erlangen, Germany.
- 3. Leibniz Institute for Prevention Research and Epidemiology BIPS, Bremen, Germany.
- 4. Amsterdam Public Health Research institute, The Netherlands
- 5. Upstream Team, Amsterdam UMC, VU University Amsterdam, The Netherlands
- $6. \ Faculty of \ Civil \ and \ Environmental \ Engineering, \ Gdansk \ University \ of \ Technology, \ Gdansk, \ Poland.$



















Create a policy index to assess the healthiness of the physical activity policy environment



Provide countries with concrete examples of international best practice

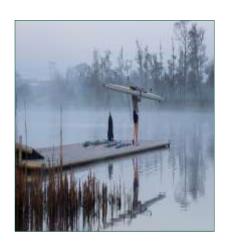


Potential for country comparison and benchmarking of government policies

PA-EPI: Next Steps

PEN Policy Evaluation Network

- The PA-EPI is a tool that can be used to independently monitor and benchmark the extent of implementation of public sector PA policies and actions.
- Conduct the PA-EPI in multiple countries to identify and prioritise actions needed to address critical gaps in government policies and infrastructure support for implementation.
- PA-EPI completion will help governments determine:
 - Where they are now?
 - What is possible to change?
 - Provide pathways to reach your goals
 - A mechanism for documenting progress



63

PA-EPI Next Steps

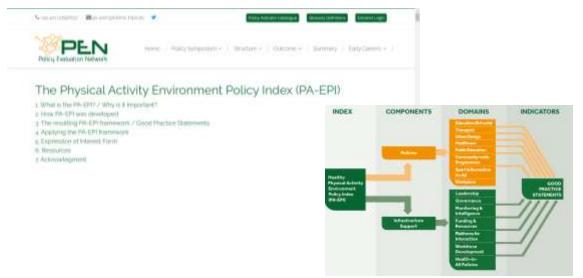


In time, the PA-EPI will evolve into benchmarks established by governments at the forefront of creating and implementing policies to address physical inactivity.

However, country-specific adaptations might be necessary to account for differences in political culture, to achieve a maximum of stakeholder involvement to build policy capacity, and to ensure high-level political support for an adequate policy response.

PA-EPI Website / Expression of Interest





https://www.jpi-pen.eu/pa-epi.html

65

References



- 1. Lakerveld J, Woods C, Hebestreit A, Brenner H, Flechtner-Mors M, Harrington J, et al. Advancing the evidence base for public policies impacting on dietary behaviour, physical activity and sedentary behaviour in Europe: The Policy Evaluation Network promoting a multidisciplinary approach. Food Policy. 2020; 96. Link
- 2. Kelly L, Volf K, Garcia E, Woods C. Systematic Review Examining the Evidence for Impact of School Policies on Physical Activity. PROSPERO. 2020; CRD42020156630. Link
- Forberger S, Luszczynska A, Nanna L, Meshkovska B, Łobczowska K, Scheller D, et al. Analyzing Public Health Policy Implementation Processes a Systematic Map. OSF. 2020. Link
- 4. Woods CB, Volf K, Kelly L, Casey B, Gelius P, Messing S, et al. on behalf of the PEN consortium. The evidence for the impact of policy on physical activity outcomes within the school setting: A systematic review. J Sport Health Sci. 2021. Link
- 5. Messing S, Forberger S, Woods C, Abu-Omar K and Gelius P. Politik zur Bewegungsförderung in Deutschland (Policies to promote physical activity in Germany). Bundesgesundheitsblatt. 2021. Link
- 6. Gelius P, Messing S, Forberger S, Lakerveld J, Mansergh F, Wendel-Vos W, et al. The added value of using the HEPA PAT for physical activity policy monitoring: A four-country comparison. Health Res Policy Sys. 2021; 19:22. Link
- Garnica Rosas L, Mensink GBM, Finger J, Schienkiewitz A, Lange C, Do S, et al. on behalf of the PEN consortium. Selection of key indicators for European policy monitoring and surveillance for dietary behaviour, physical activity and sedentary behaviour. Int J Behav Nutr Phys Act. 2021; 18:48. Link
- 8. Lobczowska K, Banik A, Romaniuk P, Forberger S, Kubiak T, Meshkovska B, et al. Frameworks for implementation of policies promoting healthy nutrition and physically active lifestyle: systematic review. Int J Behav Nutr Phys Act. 2022; 19:16. Link
- 9. Lobczowska K, Banik A, Brukalo K, Forberger S, Kubiak T, Romaniuk P, et al. Meta-review of implementation determinants for policies promoting healthy diet and physically active lifestyle: application of the Consolidated Framework for Implementation Research. Implementation Science. 2022; 17:2. Link
- 10. Woods, CB, Kelly, L, Volf, K., Gellius, P, Messing S. et al. on behalf of the PEN consortium. The first steps to benchmarking PA policy: The development of a comprehensive physical activity environment policy index (PA-EPI) European Journal of Public Health (In Press).
- 11. Den Braver, N., Froberger, Sl., et al. on behalf of the PEN consortium. The impact of mass media on physical activity: a review of reviews with a policy perspective European Journal
- 12. Volf, K., Kelly, L., Lakerveld, J., denBraver, N., et al. on behalf of the PEN consortium. Evidence of the impact of Sport Policies on physical activity and sport participation: A systematic mixed studies review Social Science & Medicine (In review)
- 13. Zukowska, J., Gobis, A., Krajewski, P. et al.. on behalf of the PEN consortium. Twhich transport policies increase physical activity of the whole of society? A systematic review Journal of Transport and Health (in review).

Acknowledgements



We would like to thank our Policy Evaluation Network (PEN colleagues), in particular, Dr. Janas Harrington, Dr. Maartje Poleman, Dr. Anna Gobis and Dr. Aurelie VanHoye. We would also like to acknowledge the support of the INFORMAS research group, especially Prof. Boyd Swinburn and Dr. Stefanie Vandevijvere. We would also like to thank the academic experts and the policymaker experts who took part in our online consultation.

The PEN project is funded by the Joint Programming Initiative (JPI) "A Healthy Diet for a Healthy Life", a research and innovation initiative of EU member states and associated countries. The funding agencies supporting this work are (in alphabetical order) Germany: Federal Ministry of Education and Research (BMBF); Ireland: Health Research Board (HRB); Italy: Ministry of Education, University and Research (MIUR); The Netherlands: The Netherlands Organisation for Health Research and Development (ZonMw); New Zealand: University of Auckland, School of Population Health; Norway: Research Council of Norway (RCN); and Poland: National Centre for Research and Development (NCBR). Additionally, the French partners acknowledge support through the Institute National de la Recherche Agronomique (INRA).







Amsterdam UMC





https://www.jpi-pen.eu/pa-epi.html







Parallel Session 5

The development and implementation of the PA-EPI

The Active Lifestyle school intervention: Lessons learned

Presenting Author STOP - Gregor Starc, University of Ljubljana.

Healthy Lifestyle Intervention



Case study of school-based & fitness-oriented intervention



Gregor Starc University of Ljubljana



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 774548. This presentation reflects only the author's view and the European Commission is not responsible for any use that may be made of the information it contains.

How Healthy Lifestyle came to life?







Ministry of Education, Science and Sport was granted 10 million EUR and was looking how to invest them best. Faculty of Sport proposed a plan to increase first employment opportunities of recently graduated PE teachers who can provide 2 to 3 hours of additional PE lessons per week.

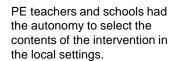
Who could participate?

and the same of th										
School year	2010/11	2011/12	2012, 13	2013/	2014/15	2015/16	2016/17	2017/18		
Newly included schools (N)	78	32	19	17	16	33	8	13		
Included children (N)	18,993	24,202	26,000	27,600	30,261	29,549	35,640	32,245		
Lessons (N)	33,190	60,505	68,306	70,866	72,054	53,527	69,613	51,893		
Annual costs of teachers' salaries (EUR)	1,156,32	1,754,08	2,007,29	2,026,94	2,070,68	1,752,96	2,618,38	2,341,55		
Annual costs per child (EUR)	60.88	72.48	77.20	73.44	68.43	59.32	73.47	72.62		

Any school could be a candidate but the schools from the regions with greatest problems in low fitness of children were especially encouraged. Over 200 schools out of 450 were involved.

Who selected the contents?





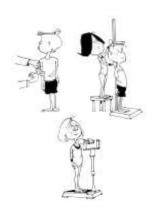






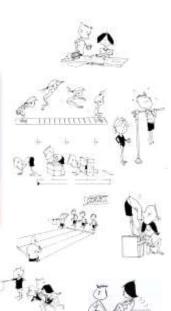


How was it monitored?

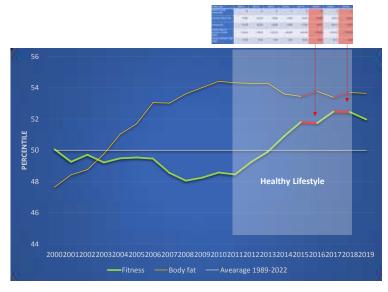




Every April, children in all Slovenian schools participate in SLOfit fitness testing and feedback is provided to schools, parents and the Ministry of Education, Science and Sport.



What were the effects?

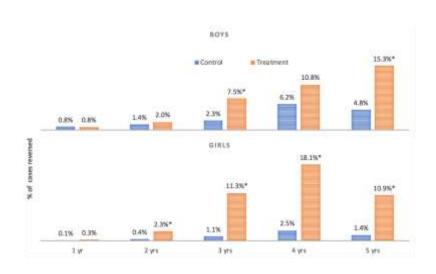


In 8 years of the intervention, physical fitness of the entire Slovenian population of children increased for

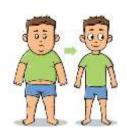




What were the (side)effects?



After 3 years the cases of reversed obesity in participating children considerably exceeded the reversed obesity cases in non-participating children.



What went wrong?



The Ministry of Education, Science and Sport was unable to provide national funding for the continuation of the intervention or for the previously agreed implementation of additional hours of PE in the regular curriculum.



Lessons learned





gregor.starc@fsp.uni-lj.si

