

Social and Behavioural Medicine (SBM)



Dr Iveta Nagyova

PJ Safarik University, Faculty of Medicine
Department of Social and Behavioural Medicine
Kosice, Slovak Republic

21 November 2016, Kosice, Slovak Republic

Education & Training: I. Nagyova

- **1995 MSc in Clinical Psychology**
Pavol Jozef Safarik University
Kosice, Slovak Republic



- **2005 PhD in Medical Sciences**
University Medical Centre Groningen
University of Groningen, the Netherlands



- **2013 Senior Scientist II in Public Health**
(Scientific degree equal to Assoc Prof)
Slovak Academy of Sciences



- **2016 Certificate, Cohort 10**
International Primary Care Research Leadership Programme
University of Oxford



Contents: 3 pillars



KT - Knowledge Translation

Definitions

- **Social medicine** is an interdisciplinary field of medicine which deals with **the impact of social factors on health**. Social medicine seeks to **optimize health care system**, using health policy, health programs, health services system or legal measures.
- **Behavioural medicine** is the interdisciplinary field concerned with the **development and integration of behavioural, psychosocial, and biomedical science** knowledge and techniques relevant to the **understanding of health and illness**, and the application of this knowledge and these techniques to **prevention, diagnosis, treatment and rehabilitation**.



SBM History: Milestones

1951	Ideas of Social Medicine are taught within the course Organization of Healthcare
1955	Establishment of the Institute for Organization of Healthcare , as part of the Department of Public Health
1991	Establishment of the Department of Humanities, Social Medicine and Public Health
1993	Establishment of the Department of Social Medicine
2008	Department of Epidemiology, Department of Hygiene, and Department of Social Medicine were merged together to create the Department of Public Health
2015	Establishment of the Department of Social and Behavioural Medicine

SBM History: Milestones RESEARCH

1994	Start of collaboration with the University of Groningen (RuG) , the Netherlands EURIDISS project (FP4)
1995	1 st PhD student, RuG NL: I. Nagyova EURIDISS project: European Research on Incapacitating Diseases and Social Support
1997	2 nd PhD student, RuG NL: A Geckova Inequality in health among Slovak adolescents
2000, c.	Establishment of KISH – Kosice Institute for Society and Health Non-formal research group
2004- 2014	KISH 2 Research programmes: Health & Youth : Coordinator: A. Madarasova Geckova, Dpt Health Psychology Chronic Diseases : Coordinator: I Rajnicova Nagyova, Dept Social Medicine
2015	Establishment of ' mc3 ' – Multidisciplinary Centre for Chronic Conditions Dpt Social and Behavioural Medicine, I. Rajnicova Nagyova

SBM History: Milestones RESEARCH

Pavol Jozef Safarik University in Kosice
FACULTY OF MEDICINE
Prof. Leonard Siegfried, MD, PhD
Dean



In Kosice 7th may 2010

Dear Doctor Rajnicova,

Based on Decision no. 53 (Report no. 23/2009 from the meeting of the Academic Senate of UPJS FM), I

a p p o i n t

you to the position of **Vice-director of the Graduate School – KISH for Research Programme Chronic Diseases** effective as of 7th May 2010.

A handwritten signature in black ink, appearing to read 'L. Siegfried'.

SBM: Long-term Research Programme

Title

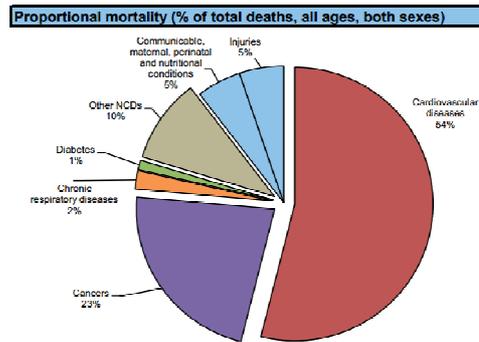
„Biobehavioural and psychosocial innovations in the prevention and management of chronic diseases: implications for integrated healthcare.“



Chronic disease facts and figures

- Chronic non-communicable diseases cause **86%** of all deaths in Europe
- **20 – 40%** of the EU population aged ≥ 15 years report a longstanding health problem
- **2/3** of those at pensionable age have ≥ 2 chronic conditions
- Chronic care accounts for **70-80%** of European health care costs (€700 billion)

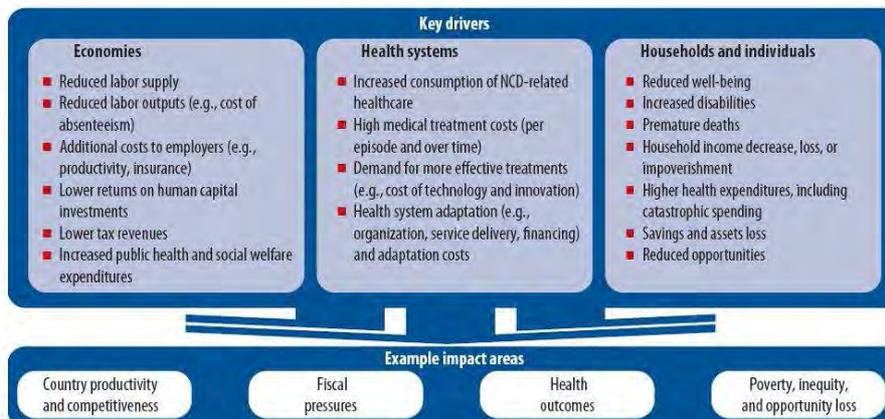
Slovak Republic



Sources: WHO – NCD Country Profiles, 2014; Economist Intelligence Unit, 2011

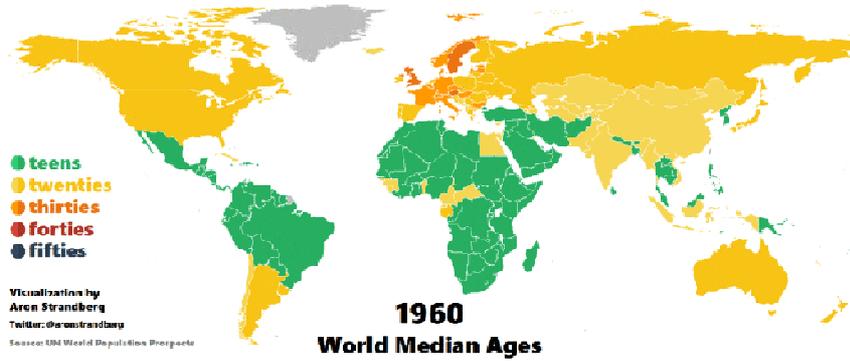
Socioeconomic impact of NCDs

High Cost to Economies, Health Systems, Households and Individuals



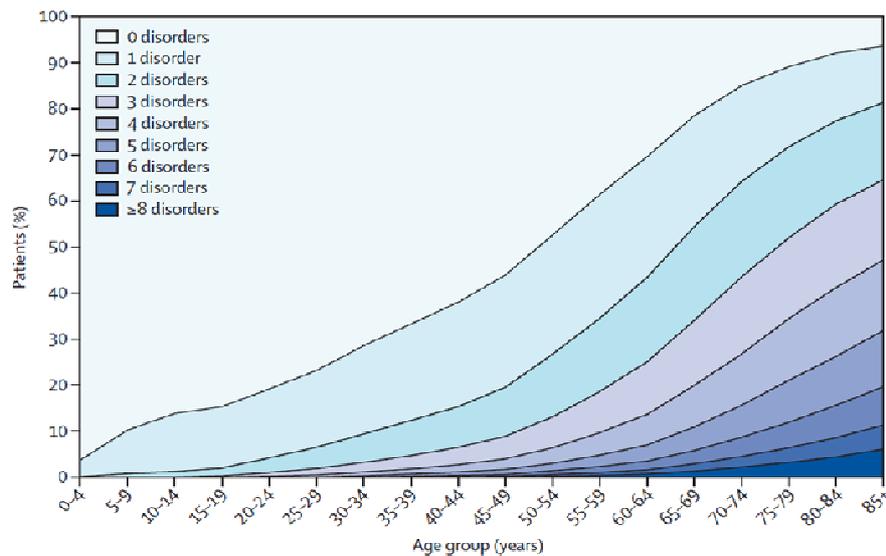
Sources: World Bank analysis in "Chronic Emergency: Why NCDs Matter." Health, Nutrition, and Population Discussion Paper, 2011. Washington DC: World Bank.²

Population ageing

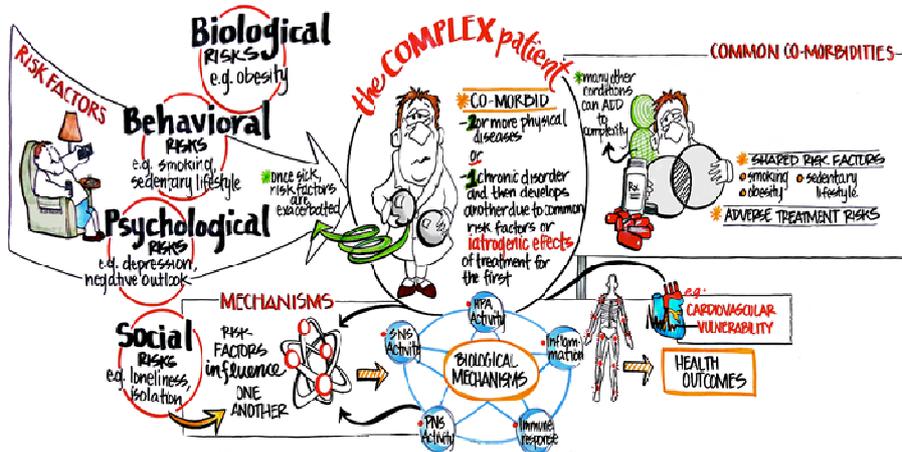


Source: Strandberg 2016; http://esa.un.org/unpd/wpp/Publications/Files/Key_Findings_WPP_2015.pdf

Number of chronic disorders by age-group

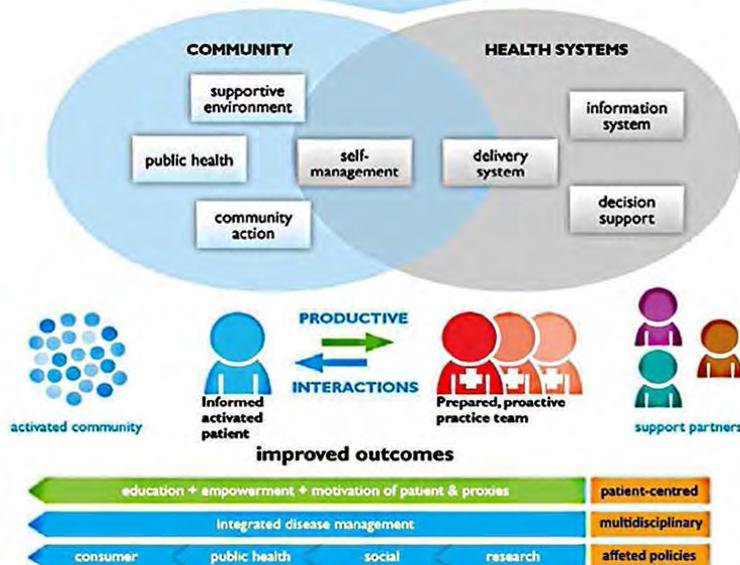


BIOBEHAVIORAL PERSPECTIVES ON THE COMPLEX PATIENT



Source: <http://cancercontrol.cancer.gov> (adjusted)

INTEGRATED CARE



Source: Wagner et al. 1998, Eppsi White Paper 2012

National projects: PI – I. Nagyova

- **2006-2009: APVV-20-038305 | € 220 540**
CD-QoL: Quality of life in patients with a chronic disease: multilevel integrative approach
 
- **2007-2009: VEGA 1/4288/07 | € 14 406**
QoL-RA: Functional status and quality of life in rheumatoid arthritis patients
 
- **2011-2014: APVV-0220-10 | € 226 790**
LORIDIS: Longitudinal research on incapacitating chronic disease
 
- **2016-2020: APVV-15-0719 | € 184 812**
LORICCOM: Longitudinal research on psychosocial innovations in chronic condition management
 

International projects: PI/NC – I. Nagyova

- **2005-2009: KISH-CD | € 172 357**
 RuG-UPJS Bilateral collaboration agreement: KISH Research Programme on Chronic Diseases
 
- **2010-2014: KISH-CD | € 316 226**
 RuG-UPJS Bilateral collaboration agreement: KISH Research Programme on Chronic Diseases
 
- **EC: FP6, FP7, DG SANCO, DG SANTE**



Total income: 1,4 mil EUR

Study samples

	Sample / Diagnosis	Cross-sectional data	Longitudinal data	Sum
1	Rheumatoid arthritis	274	468	742
2	Kidney transplantation	360	652	1012
3	Dialyzed patients	395	150	545
4	Parkinson's disease	366	0	366
5	Sclerosis multiplex	392	0	392
6	Coronary artery disease	971	522	1493
7	Cystic fibrosis	47	0	47
8	Obstructive sleep apnoea	90	0	90
9	End stage renal disease – children	41	0	41
10	Urban population - healthy adults	1296	0	1296
11	Urban population - healthy adolescents	1111	0	1111
	Total	5343	1792	7135

Scientific output

J Dev Phys Disabil (2014) 26:285–297
DOI 10.1007/s10882-013-9364-y

ORIGINAL ARTICLE



ELSEVIER



CrossMark

Disability and Health Journal 8 (2015) 29–34

Disability and
Health Journal

www.disabilityandhealthjournal.com

Research Paper

Social participation and health-related quality of life in people with multiple sclerosis

Pavol Mikula, M.Sc.^{a,b,c}, Iveta Nagyova, Ph.D.^{a,b}, Martina Krokavcova, Ph.D.^{a,b,c},
Marianna Vitkova, M.D.^{b,d}, Jaroslav Rosenberger, M.D., Ph.D.^{a,b}, Jarmila Szilasiova, M.D., Ph.D.^d,
Zuzana Gdovinova, M.D., Ph.D.^d, Johan W. Groothoff, Ph.D.^e, and Jitse P. van Dijk, M.D., Ph.D.^{b,c}

^aInstitute of Public Health, Department of Social Medicine, Faculty of Medicine, Safarik University, Kosice, Slovakia

^bGraduate School – Kosice Institute for Society and Health, Safarik University, Kosice, Slovakia

^c1st Department of Psychiatry, Faculty of Medicine, Safarik University, Kosice, Slovakia

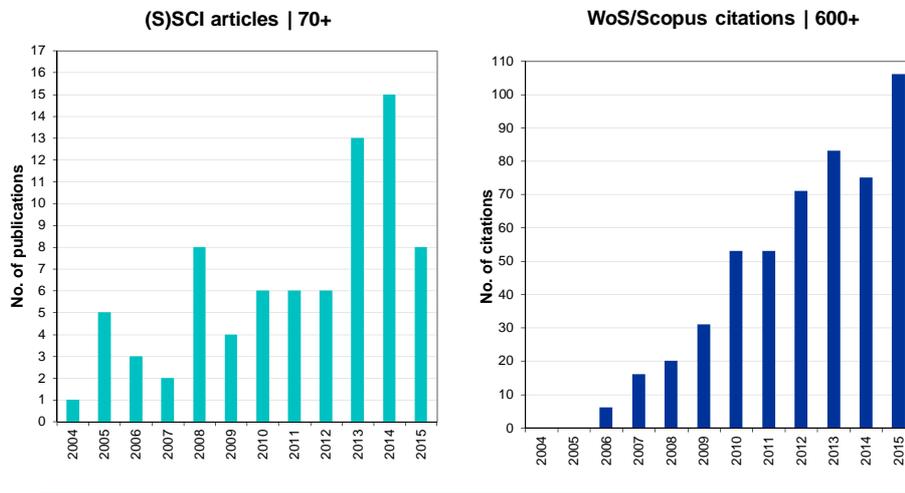
^dDepartment of Neurology, Faculty of Medicine, Safarik University, Kosice, Slovakia

^eDepartment of Community and Occupational Health, University Medical Center Groningen, University of Groningen, The Netherlands

I. Nagyova · J. Rosenberger

Institute of Public Health - Department of Social Medicine, Medical Faculty, Safarik University,
Kosice, Slovak Republic

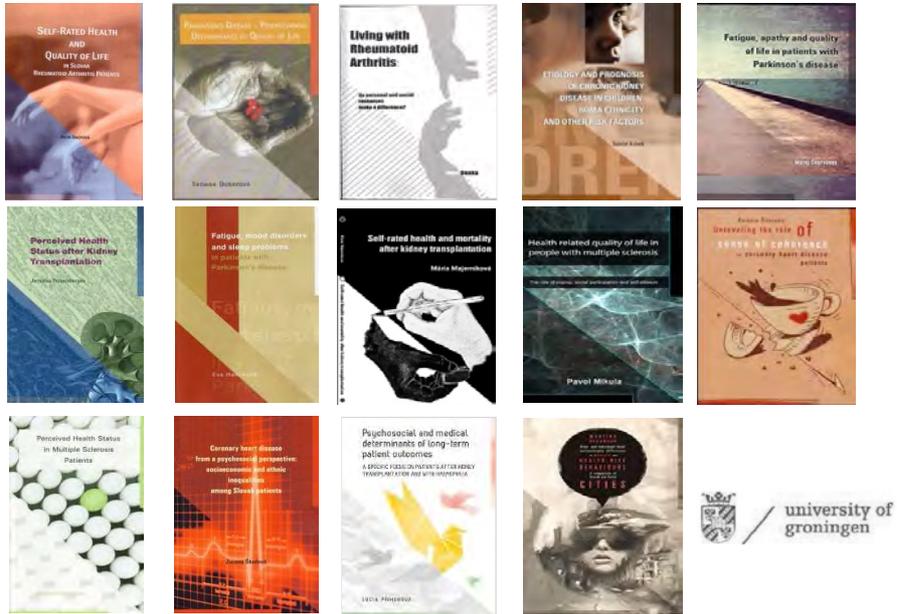
Scientific output: since 2004



Scientific output: since 2004

2	Monographs
74	Articles published in peer-reviewed (S)SCI journals with an impact factor
600+	WoS/Scopus citations, h-index 16
14+	Defended PhD students at University of Groningen (RuG) Co-promoters University Medical Centre Groningen, the Netherlands Initiators of "Double PhD Degree" UPJS FM & RuG
12+	National coordinator of European projects, including FP6 / FP7 projects e.g. EURO-URHIS 2, ICARE4EU, STEPS, SPHERE, PHIRE, OptiWork
7	Principal investigator of research projects (e.g. APVV, VEGA, IVF)
€ 1.4 mil.	Income from research projects

Dissertations 2004-2014, KISH-CD



Dissertations 2004-2014, KISH-CD



Dissertations since 2015: mc3 Multidisciplinary Centre for Chronic Conditions



university of
 groningen



Currently undergoing training

SBM: Teaching at UPJS FM

Teaching in **Slovak** and **English languages** in the following study branches:
general medicine, dental medicine, nursing care, public health, physiotherapy

32 Compulsory courses, of which:

- 19 Bachelor
- 9 Master
- 2 Doctoral (Social medicine, Diploma thesis seminar 1)
- 1 PhD study
- 1 Specialization

Elective courses (Doctoral study)

Behavioural medicine, Health care management, Methodology of biomedical research, Science communication skills

Social Medicine: Contents



General Medicine: SK | EN

4th year

14 lectures | 28 practices

Exam, 3 credits

SK: 187 students

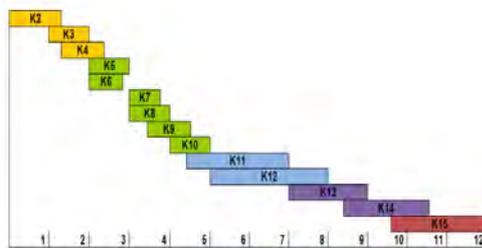
EN: 154 students

PhD study Public Health

SK | EN

Wilkinson R, Marmot M (eds.) *The Social Determinants of Health: The Solid Facts*. WHO Europe, 2003

Diploma thesis seminar 1



General Medicine: SK | EN

Dental Medicine: SK | EN

4th year

30 hours practices

2 credits

SK: 187 + 46 students

EN: 157 + 48 students

- I. Conceptual phase
- II. Design and planning phase
- III. Empirical phase
- IV. Analytic phase
- V. Writing phase

National collaboration

UPJS FM Departments and Clinics

- Neurology (5 defended PhD students at the University of Groningen - RuG, NL)
- I. Internal medicine (1 PhD - RuG)
- I. Paediatrics and Adolescent Medicine (1 PhD - RuG)
- Transplantology & Fresenius Medical Care (2 PhDs - RuG)
- Cardiology, VÚSCH (1 PhD - RuG)
- Pneumology and Phtiseology (1 PhD - RuG)
- I. Psychiatry (1 PhD – RuG / KI)
- Nursing Care (Project on integrated care)

Other organizations and institutions in SR

- Comenius University in Bratislava, Faculty of Medicine, Inst Social Medicine
- Comenius University, Jessenius Faculty of Medicine in Martin
- Trnava university, Dpt Public Health
- SAVEZ – Slovak Public Health Association
- WHO Country Office in the Slovak Republic
- Institute of Health Policies, Ministry of Health SR

Platform for healthcare innovations MoH SR

[WHO-BCA: Bilateral Collaboration Agreement project | MoH SR & WHO Europe](#)

International collaboration

EUPHA - European Public Health Association



Rijksuniversiteit Groningen, The Netherlands



Ecole des Hautes Etudes en Santé Publique, Paris, France



Karolinska Institutet, Stockholm, Sweden



University of Oxford, Department of Sociology; & Nuffield Department of Primary Care, Oxford, UK



The screenshot shows the EUPHA website with a navigation menu on the left and a main content area. The 'Chronic diseases' section is highlighted, featuring a profile for Dr. Iveta Nagyova and a 'Vice Presidents' section for Prof. David Stuckler. A 'LOGIN TO EUPHA' form is visible on the left, and a 'NEWSLETTER SUBSCRIPTION' button is at the top right. A cover image of the 'EUROPEAN JOURNAL OF PUBLIC HEALTH' is also present.

EUPHA
EUROPEAN PUBLIC HEALTH ASSOCIATION

Home | Member login | @EUPHActs | Contact

NEWSLETTER SUBSCRIPTION

About us
EUPHA 2014 - 2020
Members
Sections
Four pillars
EUPHAnxt
Conferences
EJPH
Advocacy
News

Chronic diseases
We currently have 1442 section members.
It would be great to add you to those members!

EUPHA sections
Setting up a section

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Graduate School KISH MCS
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✉ iveta.nagyova@upjs.sk
Twitter: @IvetaNagyova

Vice Presidents:
Prof David Stuckler
Oxford University
Department of Sociology
Manor Road Building, Oxford, OX1 3UQ
United Kingdom
✉ david.stuckler@sociology.ox.ac.uk
Twitter: @davidstuckler

Menu
Aims of the section
Background information
Annual reports/meetings
Workshops/conferences
Recent news

EUROPEAN JOURNAL OF PUBLIC HEALTH
Volume 21, Number 7, October 2011
www.eupha.org/ehp

LOGIN TO EUPHA
Login
Password
CONNECT
Password reset
New user?

<http://www.eupha.org/chronic-diseases>

The screenshot shows the EUPHA website with a list of 'Selected ESCD workshops' from 2011 to 2016. The EUPHA logo is at the top left, and the title 'Selected ESCD workshops' is at the top right. The list of workshops is in the center, and the URL 'http://www.eupha.org/chronic-diseases' is at the bottom right.

EUPHA
EUROPEAN PUBLIC HEALTH ASSOCIATION

Selected ESCD workshops

2016: **Knowledge translation in public health: Moving from evidence to policy and practice**
2015: Systematic reviews in Public Health fields: challenges and how to bridge with policy
2014: Diagnose-based morbidity statistics for the European Union
2014: **Effective action on NCD prevention: A focus on price**
2014: Integrated care: A roadmap for Europe to innovate patient centred chronic disease care
2013: **An optimal European chronic care framework: towards implementation and benchmarking**
2013: Pampers or pamper? Should we celebrate an ageing population or fear it?
2012: **Towards a workable model for the management of chronic conditions in Europe**
2012: Multimorbidity: a hidden epidemic that challenges European health services
2012: **Priority actions for the non-communicable disease crisis: Implications of the UN high level meeting for the European region, one year later**
2012: Understanding the causes of chronic diseases burden in Europe - how can recent advances, new concepts and future perspectives in relation to migrant/ethnic health help?
2011: **The year of non-communicable diseases: Implications of the global movement for the European region**

<http://www.eupha.org/chronic-diseases>

LOG IN



Oxford International Primary Care
RESEARCH LEADERSHIP PROGRAMME

HOME

ABOUT

MENTORING

SELECTION PROCESS

EXPERIENCES

COHORTS

CONTACT



Cohort 10

Members



Dr Clara Heil
Mackay Clinical School, James Cook University



Dr Ioannidis Konstantinos
Centre for Primary Care, University of Manchester



Dr Inez Nagyova
Faculty of Medicine, Pj Safarik University



Dr Konrad Schmidt
Department of General Practice and Family Medicine, Jena University Hospital



Dr Fiona Stevenson
Research Department of Primary Care & Population Health, University College London



Dr Deborah Swingshurst
Unit for Social Policy and Practice in Health Care, Centre for Primary Care and Public Health, Queen Mary University of London



Dr Katrina Turner
Centre for Academic Primary Care, School of Social and Community Medicine, University of Bristol

Mentoring Programme Login

Log in here to connect with mentors on the Oxford Leadership Programme (members only)

[Log in](#)

<http://www.oxfordleadershipprogramme.co.uk/cohorts/10>

KT – Biennial Conferences | since 2004



Priority actions for the prevention and management of chronic diseases

21-22 September 2014, Venice, Venice Republic





Adding Years to Life and Life to Years in Y4 Countries

8-10 May 2015, Ghent, Belgium





Vzdělávání, výskum a prax v oblasti zdravotníctva v SR

11-12 September 2014, Bratislava, Slovakia



Zdravie vo všetkých politikách
Health in all policies

21-22 September 2014, Bratislava, Slovakia





PODPORA ZDRAVIA
Support of Health

21-22 September 2014, Bratislava, Slovakia





Posilňovanie systému verejného zdravotníctva

11-12 September 2014, Bratislava, Slovakia



UPJS LF, SAVEZ, WHO Europe, WHO SR, & V4 partners

Knowledge translation into policy

'Strategic framework for health for 2014 - 2030'

approved by the Slovak Government on 18 December 2013

This document defines **medium- and long-term directions of health policy** with the aim to implement measures for improving the quality, sustainability and efficiency of the healthcare system and the health status of the population.

Among the **priorities** delineated in this document are:

- **development of integrated care centres**
- residency programmes for general practitioners
- regional public governance of health and healthcare
- research and innovations in biomedicine and health technologies



Ministry of Health of the Slovak Republic



Knowledge translation into policy



Ministry of Health of the Slovak Republic



World Health Organization
REGIONAL OFFICE FOR Europe

WHO-BCA 2012-2013: Z. Katreniakova

2, 2a: Evaluation of Public Health Services in Slovakia and Piloting the WHO Europe Self-assessment Tool (EPHO10)

WHO-BCA 2014-2015: I. Nagyova

2.1.1 Development of national intersectoral noncommunicable disease (NCD) policies and monitoring framework for NCDs'

2.1.3 Monitoring framework for Prevention and Control of NCDs and the global action plan on NCDs (2013–2020)

Knowledge translation into policy



- WHO European Ministerial Conference on the Prevention and Control of Noncommunicable Diseases in the context of Health 2020
3-4 December 2013, Ashgabat, Turkmenistan



- Technical Consultation Meeting on the Roadmap of actions to fully implement the WHO Framework Convention on Tobacco Control in Europe
24-25 February 2015, Moscow, Russian Federation

SBM Personnel

Multidisciplinary team: general medicine, veterinary medicine, clinical psychology, public health, social work, management

Team members

- 4 university teachers



- 5 researchers



- 1 administrative manager



- 1 internal PhD student



Contact

Dr Iveta Nagyova

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