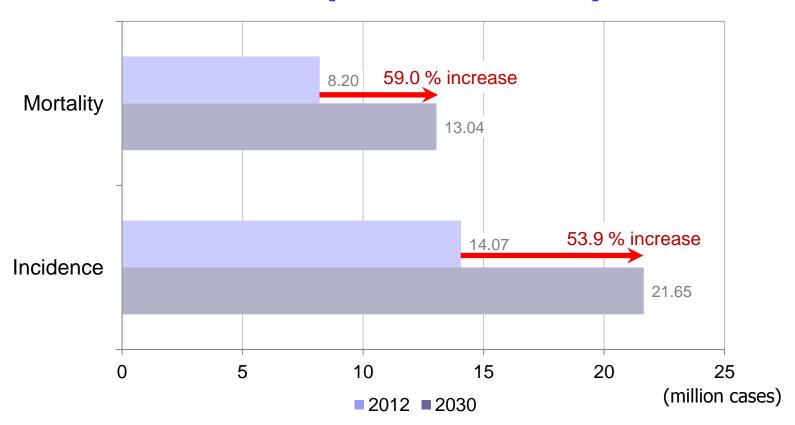


Introduction: The European Code against Cancer

Joachim Schüz

Head, Section of Environment and Radiation
Principal Investigator, European Code against Cancer
International Agency for Research on Cancer
Lyon, France

Projected burden of cancer: World (2012-2030)



Assuming no change in underlying incidence





WHAT IS IT?

- Key prevention tool to reduce cancer risk and to improve health in general
- Concrete, science-based guidelines
- At least 1/3 of cancers are preventable

European Code against Cancer

HOW?

- Update of the Code (recent scientific data)
- Questions and answers
- Emphasis in communicating to the general population

WHY UPDATING?

- Science is dynamic
- Improvement in communication

WHO?

- Supported by the European Commission
- Led by the IARC
- Promoted by the European Cancer League

HISTORY

- Drawn-up and endorsed by the high-level Committee of Cancer Experts of European Union in 1987
- ☐ 2nd Edition (Cancer Experts Committee): 1994

☐ 3rd Edition (Cancer Experts Committee): 2003

☐ 4th Edition (International Agency for Research on Cancer): 2014

□ Requested by European Commission, provided to Member States, dissemination by Member States, no joint systematic evaluation



2014 Target group

What can I do to reduce my risk of cancer?

EUROPEAN CODE AGAINST CANCER





2014 Target group

☐ General population / Actions the individuals can take themselves

Relevant cancer burden

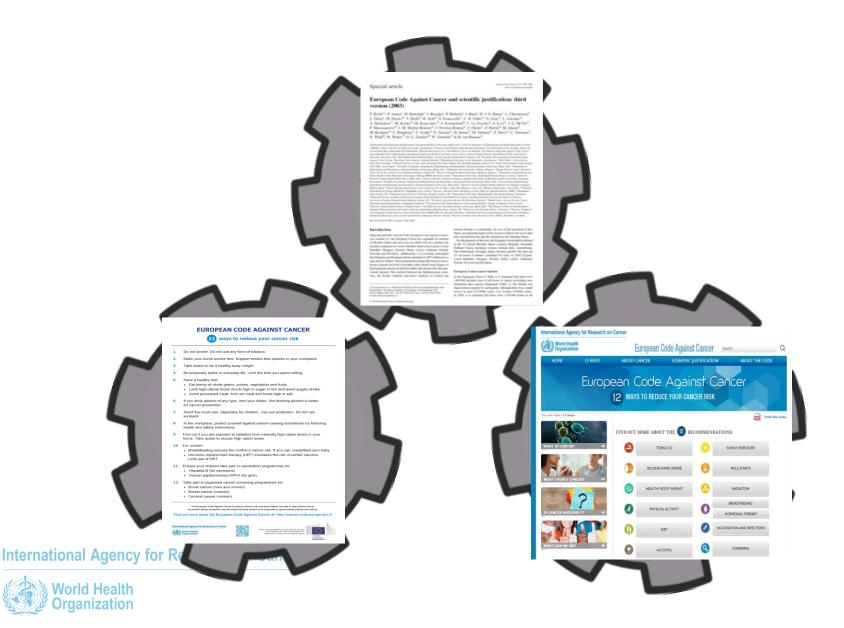
Not targeted only at high risk group

Recommendation can be communicated in a straightforward way

■ No difficult decisions involved (weighing risks and benefits)



2014 New structure and outcomes



Level I: Code

General public

Level II: **Questions** and **Answers** (Q&A)

General public

Level III: **Scientific Justification**

Scientists

> 12 evidence-based recommendations on primary and secondary prevention of cancer

- Additional information on the recommendations or on cancer prevention topics not covered by the recommendations
- Q&A on exposure, messages for special target groups, and information on preventive actions on how to achieve the recommendation
 - Justification of each recommendation and the scientific statements made in Q&A
 - Peer-reviewed publications (open access)

EUROPEAN CODE AGAINST CANCER









European Code Against Cancer - Formulation of Evidence-based Recommendations and Q&A

- Working group drafted recommendations
- ➤ In a series of consultations between the Communication WG, the PIs and the Expert WGs initial drafts were refined
- Presentation, discussion and adoption by the Scientific Committee
- □ Rigorous scientific approach (evidence base)
 Endorsement by local key players (authoritative)



Update of the scientific evidence

- □ Evidence that following the recommendation reduces the risk of cancer or of dying from cancer
 ▼
- ☐ Focus on comprehensive sources:
 - IARC Monograph Program and Handbooks of Cancer Prevention
 - WCRF/AICR reports and continuous updates
 - Evidence-based publications of the WHO and the European Commission
 - Additional systematic reviews using other sources if highest grade



evidence not readily available International Agency for Research on Cancer



Working process

Scientific Committee

advises & adopts

Editorial Board

PI (Co-Chairs)

edits

Coordination Group:

Scientific Secretariat:

Principal Investigators:

Joachim Schüz, Lawrence von Karsa

Carolina Espina, Patricia Villain, Tracy Lignini

WG Communication

Jane Wardle (Chair)

WG Chairs

Expert Groups:

WG Tobacco

Maria Leon Roux (Chair)

WG Nutrition

Isabelle Romieu (Co-Chair) Martin Wiseman (Co-Chair) WG Screening

Nereo Segnan (Chair)

prepares

WG Radiation

Joachim Schüz (Chair)

WG Environment

Joachim Schüz (Chair)

WG Infections

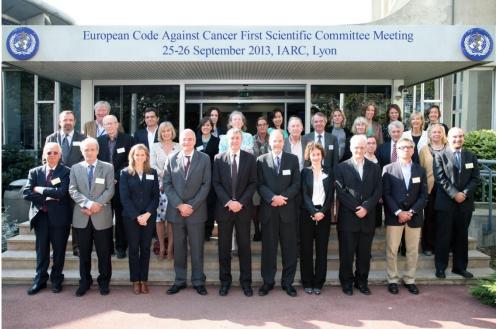
Rolando Herrero (Chair)

Literature Group

Silvia Minozzi (Chair)

supports

Scientific Committee (Oversight & Endorsement)









ECAC Working Group Meeting on Physical Activity, Obesity, Nutrition and Alcohol, 12-13 February 2013, IARC, Lyon

European Code Against Cancer, Tobacco Working Group Second Meeting, 26 April 2013, IARC, Lyon





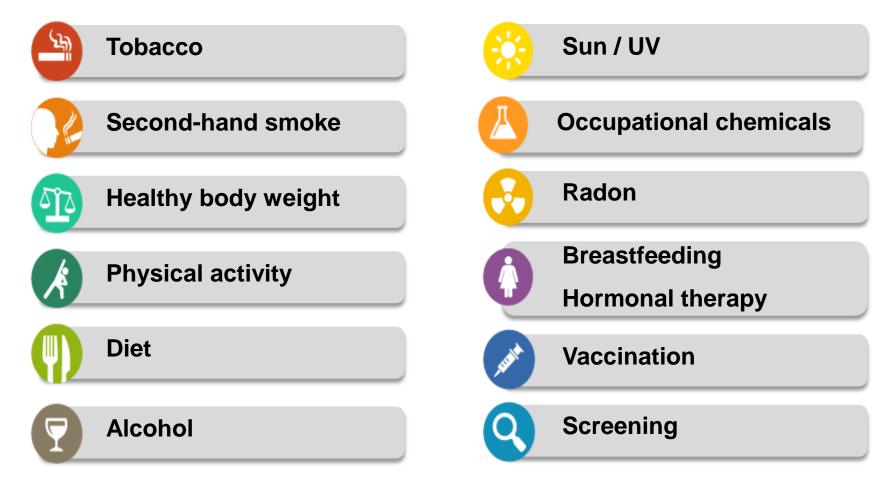


International Agency for Research on Cancer



Working Groups of Experts

Twelve ways to reduce your cancer risk Update of the European Code against Cancer



http://cancer-code-europe.iarc.fr/



S to P IIII

Do not smoke.Do not use any form of tobacco.



2 Make your home smoke free. Support smoke-free policies in your workplace.



12 ways to reduce your cancer risk

3 Take action to be a healthy body weight.



4 Be physically active in everyday life. Limit the time you spend sitting.



5 Have a healthy diet:



- Eat plenty of whole grains, pulses, vegetables and fruits.
- Limit high-calorie foods (foods high in sugar or fat) and avoid sugary drinks
- Avoid processed meat; limit red meat and foods high in salt.



12 ways to reduce your cancer risk

6 If you drink alcohol of any type, limit your intake.
Not drinking alcohol is better for cancer prevention.



7 Avoid too much sun, especially for children. Use sun protection. Do not use sunbeds.



8 In the workplace, protect yourself against cancer-causing substances by following health and safety instructions.





12 ways to reduce your cancer risk

Find out if you are exposed to radiation from naturally high radon levels in your home. Take action to reduce high radon levels.

10 For women:

- Breastfeeding reduces the mother's cancer risk. If you can, breastfeed your baby.
- Hormone replacement therapy (HRT) increases the risk of certain cancers. Limit use of HRT.







- 11 Ensure your children take part in vaccination programmes for:
 - Hepatitis B (for newborns)
 - Human papillomavirus (HPV) (for girls).



- Bowel cancer (men and women)
- Breast cancer (women)
- Cervical cancer (women).

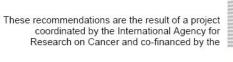


The European Code Against Cancer focuses on actions that individual citizens can take to help prevent cancer. Successful cancer prevention requires these individual actions to be supported by governmental policies and actions.

Find out more about the European Code Against Cancer at: http://cancer-code-europe.iarc.fr









CANCER PREVENTION LATIN AMERICA



- ☐ Integral project involving all the relevant components:
 - Development and adoption of cancer prevention recommendations
 - Dissemination strategy and partnerships
 - Monitoring and Evaluation
- Indispensable: Be a product of Latin America
 - Regional experts and adoption by regional key players
 - Endorsement by country governments
- For efficiency, analogy and global impact:
 - Developed based on but <u>not</u> translation of European Code
 - Use established IARC methodology



European Code Against Cancer - Acknowledgements

Scientific Committee

Filippo Belardelli **Douglas Bettcher** Franco Cavalli Gauden Galea Gilbert Lenoir Jose Martin-Moreno Florian Alexandru Nicula

Jørgen Olsen Julietta Patnick Maja Primic-Žakelj Pekka Puska Flora van Leeuwen Otmar Wiestler Witold Zatonski

Co-financed by the



Scientific Secretariat (IARC)

Joachim Schüz Lawrence von Karsa Nereo Segnan

Carolina Espina Patricia Villain Tracy Lignini

Working Group Experts

Tobacco and second-hand smoke

Maria Leon Roux (Chair) Neela Guha Eva Kralikova

Anne McNeill, Silvia Minozzi

Armando Peruga Joachim Schüz Carolina Espina

Radiation

Joachim Schüz (Chair)

Anssi Auvinen Esther de Vries

Friederike Erdmann Rüdiger Greinert

John Harrison

Ausrele Kesminiene for Res

Neil McColl

Carolina Espinaalth Organization

Physical Activity, body weight, diet, alcohol and breastfeeding

Isabelle Romieu (co-Chair)

Martin Wiseman (co-Chair) Annie Anderson

Paola Armaroli

Franco Berrino

Marie-Christine Boutron-Ruault

Michele Cecchini

Tim Key

Michael Leitzmann

Teresa Norat

Hilary J Powers

Chiara Scoccianti Joachim Schüz

Lawrence von Karsa

Carolina Espina

Søren Friis

Environment, occupation and pharmaceutical drugs

Joachim Schüz (Chair) Manolis Kogevinas Rodolfo Saracci

Kurt Straif Harri Vainio Carolina Espina

Infections and vaccination

Rolando Herrero (Chair) Maribel Almonte Ahti Anttila Joakim Dillner Silvia Franceschi Paula Gonzalez Andrew Hall Lawrence von Karsa

Screening

Patricia Villain

Nereo Segnan (Chair) Ahti Anttila Wendy Atkin Peter B. Dean Harry de Koning Lena Dillner Rolando Herrero **Ernst Kuipers** Iris Lansdorp-Vogelaar Eugenio Paci Jaroslaw Regula Eero Suonio Sven Törnberg Lawrence von Karsa

Patricia Villain

Communication group

Jane Wardle (Chair) Lynn Faulds Wood Nicolas Gaudin Kirstin Grosse Frie Eric Lucas Veronique Terrasse Maria Valdivieso Gonzalez Kelly Winstanley Martin Wiseman Lawrence von Karsa Joachim Schüz Carolina Espina Patricia Villain

Literature group

Silvia Minozzi (Chair) Paola Armaroli Cristina Bellisario Elena Biagioli Michela Cinquini Silvia Gianola

Marien Gonzalez Lorenzo

Teresa Norat Nereo Segnan Eero Suonio Lawrence von Karsa

Joachim Schüz

Carolina Espina Patricia Villain