

Ministry of Health Italy Activities in Health and Environment

Synergy with international trends (EU, UN, WHO, OCSE etc.)

Prevention National Plan (coordination and monitoring 21 Regions public health activities)

EUROPEAN UNION Action Programme for Environment LIVE WELL WITHIN OUR PLANET"

A framework for european policy
December 2013

9 PRIORITY GOALS

N°3 To protect citizens against environmental risks to preserve health and well being;





Collaboration between environmental and health sectors is critical.

Health and well being depend strictly on:

- >how one is born
- >grows up
- **>**works
- >grow old







WHO Europe EEHP



Vth Interministerial Conference

Parma March 2010

Mid Term Conference

Haifa April 2015

Toward VIth Interministerial Conference



WHO Europe



Regional Priority Goal 1

Ensuring public health by improving

access to safe water and sanitation

Regional Priority Goal 2

Addressing obesity and injuries

through safe environments, physica

activity and healthy diet

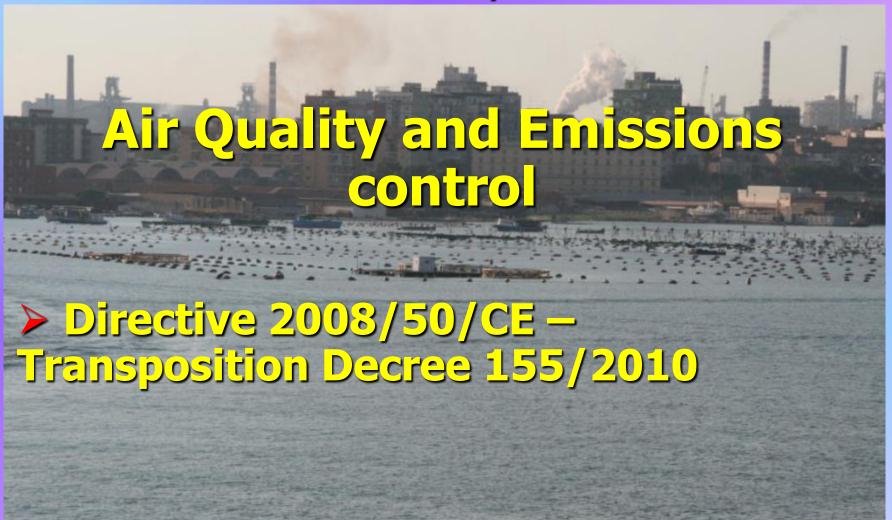


NATIONAL ENVIRONMENTAL LEGISLATION Decree 152/2006

Water protection Ministry of Health is the national competent authority ➤ Drinking water (Directive 98/83/CE **Transposition Decree 31/2001) ▶Bathing waters (Directive 2006/7/CE – Transposition Decree 116/2008)**

NATIONAL ENVIRONMENTAL LEGISLATION

Decree 152/2006



NATIONAL ENVIRONMENTAL LEGISLATION



REACH

Registration, Evaluation Authorization of chemical substances
(REG 1907/2006/CE)

- L. 45/2005 National Competent Authority.

 Ministry of Health
- > Activity Plan DM 2007
- State-Regions agreement 2009 october
 29th -> monitoring activities
- > Decree on sanctions 133/2009



PREVENTION NATIONAL PLAN



(PNP) 2014-2018

Piano Nazionale della Prevenzione

2014-2018

➤ 10 Goals with one specific committing Regions to act to reduce environmental expositions to pollutants and to promote primary and secondary

prevention

- >Attention to children
- >Attention to fragile people



PREVENTION NATIONAL PLAN



(PNP) 2014-2018

Piano Nazionale della Prevenzione

2014-2018

Control role of Proventi

Local Health Agency (ASL)



to integrate actions between health (ASL) and environmental sectors (Arpa) and to support political authorities choices



PREVENTION NATIONAL PLAN



(PNP) 2014-2018

Piano Nazionale della Prevenzione

2014-2018

- > Risks information and communications
- > Health operators training

Global approach for health promotion



>Stakeholders participation:

Ministero della Salute

- data collection for epidemiology surveillance
- promotion of healthy lifestyle

The Global Burden of Chronic Diseases

Overcoming Impediments to Prevention and Control

Derek Yach, MBChB, MPH

Corinna Hawkes, PhD C. Linn Gould, MS, MPII

Karen J. Hofman, MD

HEONIC DISEASES ARE THE largest cause of death in the world (FIGURE 1), led by carwascular disease (17 milin deaths in 2002, mainly from isheart disease and stroke) and ollowed by cancer (7 million deaths), bronic lung diseases (4 million), and fiabetes mellitus (almost 1 million). These leading diseases share key risk factors: tobacco use, unhealthful diets, lack of physical activity, and alcohol use (TABLE).2 The current hurden of chronic diseases reflects past exposure to these risk factors, and the fuure burden will be largely deter-

The global prevalence of all the leaddiseases is increasing, with ry occurring in developing

Chronic diseases are the largest cause of death in the world. In 2002, the leading chronic diseases—cardiovascular disease, cancer, chronic respiratory disease, and diabetes—caused 29 million deaths worldwide. Despite growing evidence of epidemiological and economic impact, the global response to the problem remains inadequate. Stakeholders include governments, the World Health Organization and other United Nations bodies, academic and research groups, nongovernmental organizations, and the private sector. Lack of financial support retards capacity development for prevention, treatment, and research in most developing countries. Reasons for this include that up-to-date evidence related to the nature of the burden of chronic diseases is not in the hands of decision makers and strong beliefs persist that chronic diseases afflict only the affluent and the elderly, that they arise solely from freely acquired risks, and that their control is ineffective and too expensive and should wait until infectious diseases are addressed. The influence of global economic factors on chronic disease risks impedes progress. as does the orientation of health systems toward acute care. We identify 3 policy levers to address these impediments: elevating chronic diseases on the health agenda of key policymakers, providing them with better estdence about risk factor control, and persuading them of the need for health systems change. A more concerted, strategic, and multisectoral policy ap-

proach, underpinned by solid research, is essential to help revene the negative trends in the global incidence of chronic disease.

Prevention of Chronic Diseases very limited budget by health systems.

Health Budgets for Prevention

OCSE: only 3%

ITALY: only 1%

Most spent for care services, diagnosis and therapy of chronic diseases.

Necessity to evaluate policies impacts (HIA)



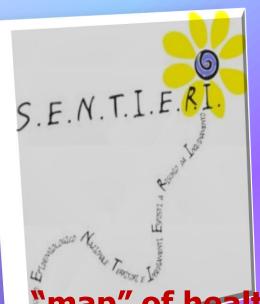
HEALTH IMPACT ASSESSMENT (HIA)

UE and WHO integrated approach: to improve knowledge to help implementing of health policies in different public policies (transports, agricolture, industry etc.)

Research in public health NATIONAL CENTRE FOR DISEASES PREVENTION AND CONTROL (CCM)

Provides coordination between Ministry of Health and Regions for prevention activities in NHS through specific projects Environmental Health: projects by Regions and institutional research partners (ISS, Universities ecc..)

Italy: examples of public health intervention linked to CCM projects



"SENTIERI PROJECT".

Wide national epidemiologic project on CONTAMINATED SITES, conducted by National Istitute of Health on behalf of Ministry of Health

"map" of health impact of contaminated sites

across italian territory, allowing to:

- ➤ Set priorities for land draining
- Set prevention actions to popoulations living near contaminated sites





25 M euro 2014-2015

Puglia and Campania Regions
to set up prevention programmes for populations
living near contaminated sites



EPIDEMIOLOGIA& PREVENZIONE

Rivista dell'Associazione italiana di epidemiologiaANNO 33 (4-5) NOVEMBRE-DICEMBRE 2002 SUPPLEMENTO X

EPIAIR

A oura de Giovanna Berti, Claudia Galassi, Annunciata Fountini, Francesco Forantino

Inquinamento atmosferico e salute

sorveglianza epidemiologica e interventi di prevenzione

Air pollution and health

epidemiological surveillance and prevention











 Cities involved in EPIAIR and EPIAIR2 (2001-2010)



CCM project: epidemiologic surveillance of air pollution: risks and impact evaluation in italian cities



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MARCH 5, 2015

VOL. 372 NO. 10

Association of Improved Air Quality with Lung Development in Children

W. James Gauderman, Ph.D., Robert Urman, M.S., Edward Avol, M.S., Kiros Berhane, Ph.D., Rob McConnell, M.D., Edward Rappaport, M.S., Roger Chang, Ph.D., Fred Lurmann, M.S., and Frank Gilliland, M.D., Ph.D.

Sproject

Air-pollution levels have been trending downward progressively over the past several decades in southern California, as a result of the implementation of air qualicine, University of Southern California, as a result of the implementation of air qualtice, California, Workshop and Mattheward and California, and the control of the

air politic policy ve control policy ve construction of the implementation of air quality control policy ve control poli

Los Angeles (W.J.G., R.U., E.A., K.B., E.R., R.C., F.G.) and Sonoma Technies, Petaluma (F.L.) — both in Califo I. Address reprint requests to Dr. G. Lamman at the Department of Preventive Medicine, University of Southern California, 2001 Soto St., 202-K, Los Andreas (201) Soto St., 202-K, Los An

6 2015;372:905-13. Ot .1056/NEJMon1414123

As part of the Children's Health Study, we measured lung function annually in 2120
California, 2001 Soto St., 202-K, tos Anchildren from three separate cohorts corresponding to three separate calendar peri-

neath and e indice from three eparate cohorts corresponding to three separate calendar pende 1994, 1992, 2001, and 2007, 2001. Mean ages of the children within end of the way. V can at the pender of the children within end granion whells are used to each mean e matis which between tecling and

nution levels over time and lang-function development from 11 to 15 years of age, measured as the increases in forced expiratory volume in 1 second (FEV₁) and forced vital capacity (FVC) during that period (referred to as 4-year growth in FEV₁ and FVC).

RESULTS

Over the 13 years spanned by the three cohorts, improvements in 4-year growth of both FEV, and FVC were associated with declining levels of nitrogen dioxide (Pc0.001 for FEV, and FVC) and of particulate matter with an aerodynamic diameter of less than $2.5~\mu m$ (P=0.008 for FEV, and P<0.001 for FFC) and less than $10~\mu m$ (Pc0.001 for FEV, and FVC). These associations persisted after adjustment for several potential confounders. Significant improvements in lung-function development were observed in both boys and girls and in children with asthma and children without asthma. The proportions of children with clinically low FEV, (defined as <80% to 3.6% across the three periods, as the air quality improved (P=0.001).

CONCLUSIONS

We found that long-term improvements in air quality were associated with statistically and clinically significant positive effects on lung-function growth in children. (Funded by the Health Effects Institute and others.)



N ENGLJ MED 372:10 NEJM.ORG MARCH 5, 2015

PUBLIC HEALTH and PERSONAL RESPONSABIL

Risk reduction is the first duty of Public Health.

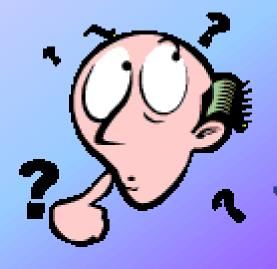
Nevertheless Public Health can give a relevant contribution to focus attention on risks for individual health of

If we want to guarantee a sustainable medicine, we must match public health intervention and promotion of individual healthy life styles.

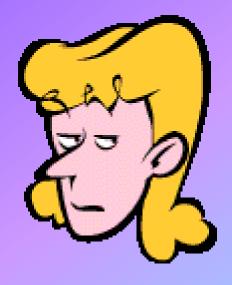
hazardous beahviour.







THANK YOU FOR ATTENTION





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