## **Gender and Diabetes**

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This presentation arises from the Joint Action addressing chronic diseases and healthy ageing across the life cycle (JA-CHRODIS) which has received funding from the European Union, under the framework of the Health Programme (2008-2013).

## Why Women's Health?



"The health of women has a direct bearing on the health of the future generation, their families, and communities, and ultimately, the health of societies."

NIH Office of Research on Women's Health, 2010

http://orwh.od.nih.gov/ORWH Strategic-Plan Vol 1 508.pdf



#### **About the EIWH**



- The European Institute of Women's Health is a health NGO launched in 1996.
- The EIWH aims to ensure a gender-sensitive approach to health policy, prevention, treatment, care and research in order to reduce health inequalities and improve quality.

#### Organisation:

 Extensive multi-national, multi-disciplinary network of patient groups, health NGOs, researchers, gender experts, politicians, and medical professionals

www.chrodis.Expert Advisory Board.



#### **About the EIWH**



#### Aim of EIWH is to influence policy:

- Evidence based reports
- Policy Briefs
- •Roundtables and seminars.

# Gender and Chronic Disease Policy Briefings Gender and Chronic Disease Policy Briefings Gardiovascular Disease: The Beslet Tradibionally regarded as a male disease, cardiovascular disease. (CVO) is the number of the Briefings of the Briefings

/HO defines cardiovascular diseases as a

- up of disorders of the heart and blood vessels that includes:

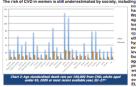
  Coronary heart disease (CHD): disease of the blood vessels supplying the heart muscle;
- Peripheral arterial disease: disease of blood vessels supplying the arms and legs;
   Rheumatic heart disease: damage to the heart muscle and heart valves from rheumatic fever, cause
- kneumatic neart disease: damage to the neart muscle and neart valves from meumatic tever, caused by streptococcal bacteria;
- Deep vein thrombosis and pulmonary embolism: blood clots in the leg veins, which can dislodge and move to the heart and lungs.

Heart attack and stroke are acute events, mainly caused by a blockage that prevents blood from flowing to the heart or brain.<sup>3</sup>

Both can be life-threatening and may require immediate emergency treatment and hospitalisation. Time is of essence and influences survival chances. Corrowary heart disease (CHD) by tilself is the most common cause of death in the EU, responsible for more than 681,000 deaths annually; 14% of women and 15% of men die from CHD. Women are much more likely to die within a vear of havine, head a heart attack. 4

Stroke is the second most common cause of death in women and affects more women than men. Although CVD has declined over the last 40 years, this decline has been smaller for women. Instead, new cases for women are rising and due to their greater longevity, the CVD burden can be said to have shifted gradually onto

#### OVD: Why Gender and Age Matter



has been considered a make disease.

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# ender and Chronic Diesase Policy Briefings Initiates: The Basics habites is a complex stabblic disease estabblic diseas

does not produce enough insulin and the insulin that is produced does not work properly. It often results from excessive bod

#### Diabetes: Why Gender Matters

Worfelvide diabetes in increasing rapidly and in some countries it is reaching epidemic proportions. If women it is the "Picadeng cause of death in high-income countries and is becoming one of the most common non-communicable diseases globally." Prevalence of diabetes is increasing in every country developing and the proportion of people with diabetes increases with age. For younger women, diabetes can be a hard burden to carry, Fluctuations in hormone levels occur be a thorough the memoratual cycle and these fluctuations can affect blood usage control. When estingen level through the memoratual cycle and these fluctuations can affect blood usage control. When estingen level to carry fluctuations in hormone levels occur and the control of the control of the proposition of the control of the

Increasing rates of obesity, smoking and sedentary lifestyles in women are putting them at risk of type diabetes. This is compounded by women's greater longerity, The above chart of the preventence of diabetes illustrates a large variation across EU Member States in the rate of diabetes among men and women. In some Member States, like the Czech Republic, Greece, Hungary, Malla, Sivvakia and Sweden, more women have diabetes than men. In other Member States, the gap in diabetes prevalence.

#### Diabetes and Cardiovascular Disease - the strong Interconnection

Diabeties and CVD are strongly interconnected. Diabeties in own regarded as the biggest risk factor for strong, and the strong of the strong



#### **About the EIWH**



- DG SANCO
  - Clinical Trials Regulation
- DG Research & Innovation
  - FP6 expert advisory group
- Member of European Medicines
   Agency Patient and Consumer
   Working Group
- European Parliament
  - Roundtables, HPV cervical
     www.cheanger prevention and vaccines

- EuroMedicat
- CanCom (1996)
- Engender
- EPAAC (European Partnership Action Against Cancer – JA
- CHRODIS-JA
- ASSETS.



#### Gender perspectives in health care



- Due to biological differences and varied gender roles, men and women have different health needs
- Healthcare equity should to be based on achieving the same outcomes
- Women experience specific barriers to accesing healthcare
- Analysing the quality of health care is difficult due to varied health care systems, demographic composition, and cultural differences.

WWW.CHRODIS.EU

### Gender perspectives in health care



Unequal experiences in earlier life in access to education, empolyment and healthcare as well as those based on gender and cultural background can have a critical bearing on the health status of women throughout their life (EU Committee on the Environment, Public Health and Food Safety 2011).







#### **Women and Diabetes: Concerns**

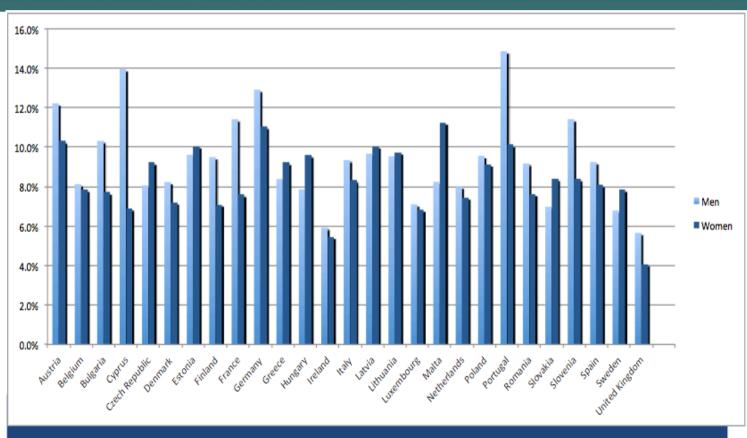


- Diabetes is the ninth-leading cause of death for women in high-income countries
- Female longevity makes women more likely to get diabetes
- In 2010, more women than men had diabetes in nine of the EU-27 countries, and the gap between men and women in the other countries are rapidly narrowing.



#### **Women and Diabetes**





Prevalence of diabetes in women and in men, 2010, EU-271,2



## **CHRODIS WP7 Objectives**



- Identifying people at high risk of diabetes
- Early diagnosis
- Secondary prevention
- Comprehensive multifactorial care







#### Gender and Diabetes: the Evidence



- Chronic Disease
- Cardiovascular disease
- Osteoporosis
- Cancer
- Mental Health.





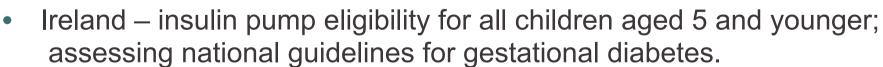
#### Life course approach



- Children
- Gestational Diabetes



- Older women
- Multimorbidity chronic diseases







#### Recommendations



- Gender mainstreamed in National Diabetes Plans
- Health Promotion and diabetes prevention -women as managers of Family Health
- Life course perspectives in diabetes care
- Pregnancy opportunity for education and diabetes awareness.



## The Joint Action on Chronic Diseases and promoting healthy ageing across the life cycle (JA-CHRODIS)\*

\* THIS PRESENTATION ARISES FROM THE JOINT ACTION ON CHRONIC DISEASES AND PROMOTING HEALTHY AGEING ACROSS THE LIFE CYCLE (JA-CHRODIS) WHICH HAS RECEIVED FUNDING FROM THE EUROPEAN UNION, IN THE FRAMEWORK OF THE HEALTH PROGRAMME (2008-2013)



