

# **EDC-Free Healthcare**

## **EDCs in Medical Devices**



of patients: **Phthalates** 

**Bisphenol A** (BPA)

These chemicals are known to be endocrine disrupting chemicals (EDCs)<sup>1,2</sup>





hazardous to human health and the environment 3,4,5,6

# "An endocrine disruptor is an

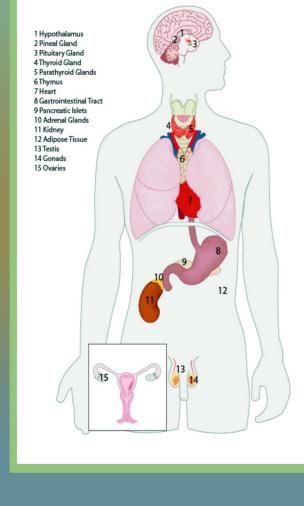
What are EDCs? And why are they Hazardous?

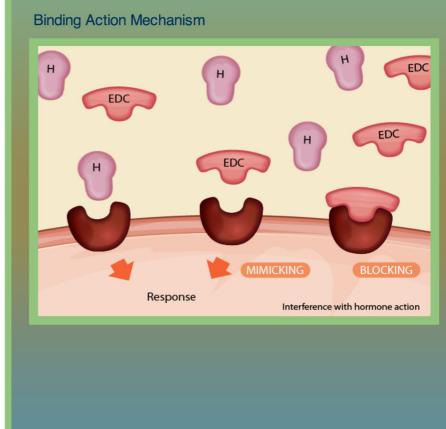
substances that can interfere with any aspect of hormone action" 7 THE ENDOCRINE SYSTEM

exogenous substance or mixture of

-The Endocrine Society

EDCs can interfere with the synthesis, secretion, transport, metabolism, binding action, or elimination of natural blood-borne hormones responsible for the normal functioning of the endocrine system 8





## Foetuses **Vulnerable Groups:** Neonates Children

Who is at Risk?

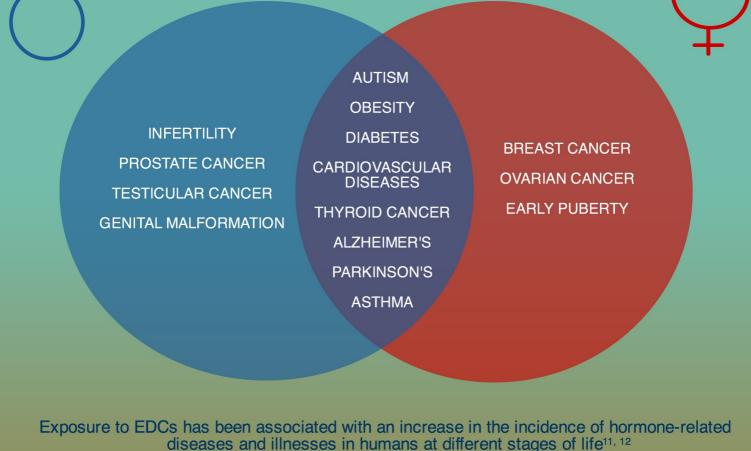
Exposure to EDCs in early life has been associated with diseases later in life 9

Nursing & Pregnant Women

Chronic Patients



What are the Potential Health Problems Linked with **Exposure to EDCs?** 



EDCs are everywhere, for example:

Where are EDCs found?

**CLEANING** 

**PRODUCTS** 

**Glycol Ethers** 

(surfactant)

**FURNITURE** 

Polybrominated Diphenyl Ethers PCDBs (flame retardants)

In Healthcare Facilities

**MEDICAL** 

**GLOVES** 

**Phthalates** 

(plasticizers)

WOOD





## medical devices: http://safermedicaldevices.org

**Towards EDC-Free Healthcare** 



GLANZIN CHILDREN HOSPITAL NEONATAL INTENSIVE CARE UNIT VIENNA

Safer chemical alternatives to EDCs

are available on the market 13





**Phased** 

out PVC



KAROLINSKA UNIVERSITY HOSPITAL, **NEONATAL UNIT** STOCKHOLM 2014

Completely

phased out PVC

2005

Visit the HCWH Europe database

on PVC-free and phthalates-free

**HOSPITAL OF SOUTHERN JUTLAND** PAEDIATRICS AND NEONATOLOGY **DEPARTMENT** 



phase-out

# The Way Forward

The EU must protect European citizens, especially vulnerable groups, from

exposure to endocrine disrupting chemicals

Now is the opportunity to phase out EDCs in the healthcare sector by adopting strong EU Medical Device Regulation