

EDC-Free Healthcare

EDCs in Medical Devices



chemicals that can leach into the body of patients: **Phthalates**

Bisphenol A (BPA)

These chemicals are known to be endocrine disrupting chemicals (EDCs)^{1,2}





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

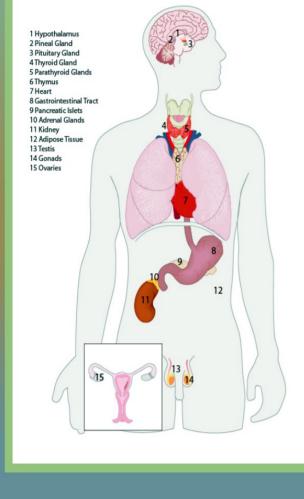
"An endocrine disruptor is an EDCs can interfere with the synthesis, secretion,

What are EDCs? And why are they Hazardous?

substances that can interfere with any aspect of hormone action" 7 -The Endocrine Society THE ENDOCRINE SYSTEM

exogenous substance or mixture of

transport, metabolism, binding action, or elimination of natural blood-borne hormones responsible for the normal functioning of the endocrine system 8



Binding Action Mechanism EDC MIMICKING BLOCKING Response Interference with hormone action

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

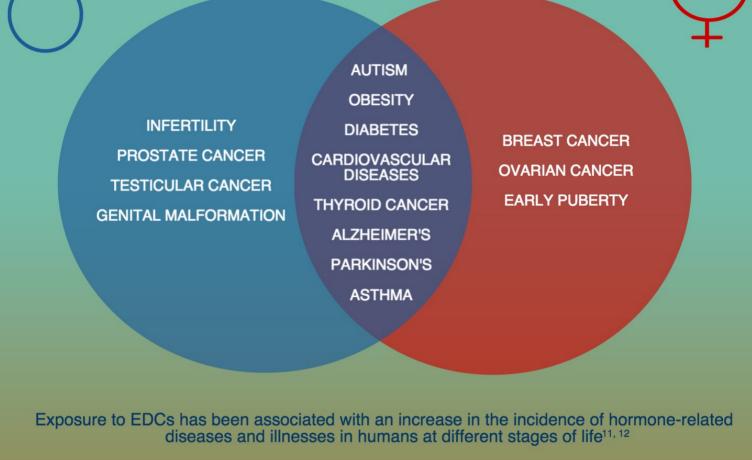
Chronic Patients



What are the Potential Health Problems Linked with

Exposure to EDCs?





Where are EDCs found?

EDCs are everywhere, for example:

CLEANING PRODUCTS

Glycol Ethers (surfactant)

Cyclosiloxanes (spreading agent)

FURNITURE

Polybrominated Diphenyl Ethers PCDBs (flame retardants)

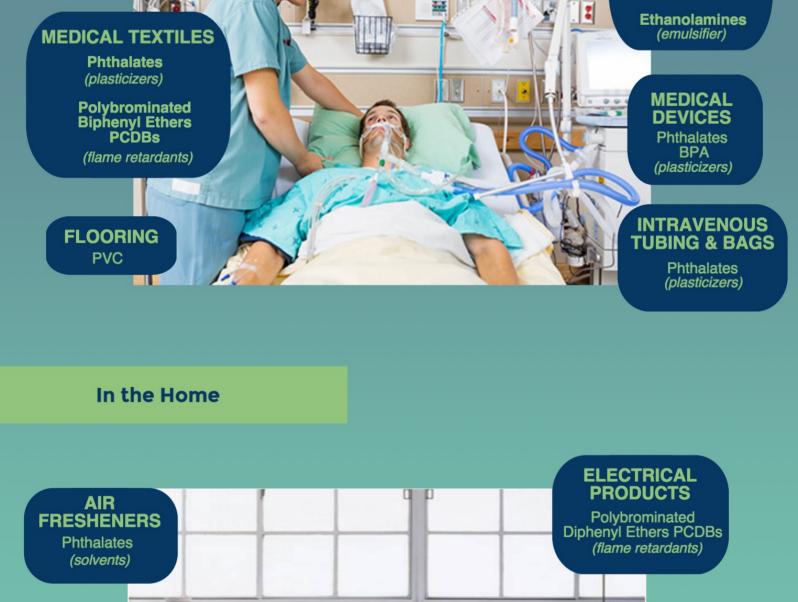
In Healthcare Facilities

MEDICAL

GLOVES Phthalates

(plasticizers)

WOOD





Visit the HCWH Europe database on PVC-free and phthalates-free are available on the market 13 medical devices: http://safermedicaldevices.org

Towards EDC-Free Healthcare



Safer chemical alternatives to EDCs



Phased

out PVC



KAROLINSKA UNIVERSITY HOSPITAL, **NEONATAL UNIT** STOCKHOLM 2014 Completely phased out PVC

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

2005

Started PVC



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