



## Numbers tell a story....

80,000+	# of chemicals registered with the EPA today
2,000	# of new chemicals introduced each year
2,492	# of new chemicals banned or restricted in EU
491	# of chemicals banned or restricted in Canada
170	# of new chemicals banned or restricted in AU
10	# of chemicals banned or restricted in US
287	# of chemicals found in cord blood of newborns
217	# of those that are toxic to brain & nervous system
180	# of those that cause cancer in humans
10x	How much more vulnerable children are to carcinogens than adults

### Key Takeaway

Reliance on regulation to keep harmful chemicals to a minimum is not enough.

# Chemicals and Childhood Obesity:

Chemicals used in disinfectants may increase childhood obesity.

http://www.cmaj.ca/content/190/37/E1097

Household Cleaning = 20 cigarettes/ day Cleaning with spray cleaners equivalent to smoking 20 cigarettes/ day

> https://www.atsjournal s.org/doi/abs/10.1164/ rccm.201706-1311OC

# 45 chemicals have been identified in common

https://www.nrdc.org/res ources/not-just-dirttoxic-chemicals-indoordust

household dust.

Endocrine Disrupting Chemicals linked with increased rates of Dyslexia, **ADHD** and Autism, Asthma, Diabetes, Obesity.

https://www.who.int/ceh/publications/endocrine/en/

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Chemicals
detected in teen
girls including
parabens,
phthalates,
triclosan and
musks

https://www.ewg.org/research/teengirls-body-burden-hormone-alteringcosmetics-chemicals/detailedfindings 3.2x

Toddlers and preschoolers typically have 3.2x more flame retardants in their blood as their mothers.

93%

of people age 6+ had detectable levels of BPA in their systems.

https://www.cdc.gov/exposurer eport/pdf/FourthReport\_Execut iveSummary.pdf 75% of Americans tested had triclosan detected in their bodies.

https://www.cdc.gov/biomonitoring/Triclosan FactSheet.html

https://www.ewg.org/research/fire-retardants-toddlers-and-their-mothers

### Key Takeaways

- 1. There are significant amounts of research indicating that exposure to harmful chemicals may be having an impact on our health.
- 2. Very limited research on the "cocktail effect"; what happens when low dose chemicals are combined in the body.
- 3. The impact on children is greater than on adults.

#### Wanna learn more?

- Norwex Mission Norwex Resource https://theresource.norwex.com/norwex-mission/
  - Podcasts, videos, mission resources
- Become my friend on FB- sharing studies and research as they come in and building our community!
- Take a listen to our podcasts on SoundCloud- Norwex Learning Network
- Beginning in April, Norwex News will have an On The Mission section with latest information on mission and our solutions.

### References for Slide #3

- The European environment state and outlook 2020 European Environment Agency (europa.eu)
- https://dtsc.ca.gov/emerging-chemicals-of-concern/
- <sup>4</sup>Canada Gazette, Part 1, Volume 156, Number 20: Prohibition of Certain Toxic Substances Regulations, 2022
- 6Chemicals under the Toxic Substances Control Act (TSCA) | US EPA
- https://www.scientificamerican.com/article/newborn-babieschemicals-exposure-bpa/
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- https://www.ncbi.nlm.nih.gov/pmc/articles/ PMC1280390/#b80-ehp0113-001125