

# CANADIAN HEALT EASURES SUR

10 YEARS OF HUMAN BIOMONITORING







#### +29,000 PARTICIPANTS

**AGED 3-79 YEARS** 

### **DID YOU KNOW?**

- Biomonitoring data from the CANADIAN HEALTH MEASURES SURVEY are available to scientists and researchers across Canada. Examples of the data are presented here.
- Drawing on these data as well as other monitoring and surveillance activities, the Government of Canada has taken action to **PROTECT** CANADIANS from exposure to chemicals.
- It is important to note that the presence of a chemical in a person's body **DOES** NOT necessarily mean that it will affect their health.
- The Government of Canada has taken a number of actions to **REDUCE CANADIANS EXPOSURE** to lead, mercury and BPA. Find out more on CANADA.CA.
- More information can be found in Health Canada's human biomonitoring reports available at CANADA.CA/ BIOMONITORING.

## LEAD (Pb)





MALES have higher levels than females

**ADULTS** (20–79 years) have higher levels than children (3–19 years)





 $0.68 \, \mu g/dL$ 



SMOKERS (12-79 years) have higher levels than non-smokers



DECLINING **SINCE 1978-79** 

# **BISPHENOL A (BPA)**



92%

**OF CANADIANS HAVE DETECTABLE** 



MALES have higher levels than females



levels than adults

CHILDREN have higher







who are **OBESE** (BMI 30 and over) have higher levels than overweight (BMIs 25 to 29.9) and normal weight (BMIs 18.5 to 24.9) individuals

## **MERCURY (Hg)**



**63**%

 $\textbf{0.42}~\mu\text{g/L}$ 

OF CANADIANS HAVE DETECTABLE LEVELS IN THEIR BLOOD



**ADULTS** (20–79 years) have high levels than children (3–19 years)



**0.68** μg/L

Canadians who reported **EATING** FISH OR SEAFOOD known to have high Hg levels (e.g. swordfish, tuna) within the last month have higher levels than Canadians who did not

SOURCE: Canadian Health Measures Survey, cycle 3 (2012-2013) Data collection began in 2007 and is ongoing. Data for cycle 4 (2014–2015) were released in August 2017 and cycle 5 (2016–2017) will be released in 2019. © Her Majesty the Queen in Right of Canada, as represented by the Minister of Health, 2017 Cat.: H129-77/2017E-PDF | ISBN: 978-0-660-08533-3 | Pub.: 170065



**0.92** μg/L