

Keynote Speech



Recent Human Biomonitoring Results from the Canadian Health Measures Survey

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Speaker Biographies :

Ms. St-Amand is Section Head of the National Biomonitoring Program since 2015. This national program is conducted through the Canadian Health Measures Survey. In her role, she consults with stakeholders to identify chemical priorities, collaborates closely with analytical laboratories to develop methods, and actively works to increase awareness and use of human biomonitoring data through scientific publications, biomonitoring reports, open data releases, and stakeholder outreach. Her team contributes to exposure science, more specifically in the interpretation of biomonitoring data and the development of new tools. She is also the co-chair of the *i-HBM* working group on human biomonitoring under the International Society of Exposure Science (ISES).

ABSTRACT:

Canadians' exposure to environmental chemicals is monitored as part of the Canadian Health Measures Survey. Six cycles of data collection have been completed over the past decade, measuring over 250 chemicals in blood, urine, and hair of over 35,000 Canadians at 100 sites across the country. Data can be used for comparison with other populations, to provide baseline data for tracking trends in environmental chemical levels over time, and to explore relationships between environmental chemicals and health outcomes. These data have not only provided baseline concentrations in the Canadian population but have been used to inform regulatory risk assessment and improve evidence-based decision making in public policies aiming to reduce exposure to toxic chemicals and protect the health of Canadians.