



**For immediate release
Thursday, 28 April, 2022**

Media contacts: **Terry Collins**, +1-416-878-8712 (m), tc@tca.tc
Erica Phipps, erica@healthyenvironmentforkids.ca
Don Giesbrecht, dgiesbrecht@ccc-fcsge.ca

Survey data: <https://healthyschoolsday.ca/2022-child-care-survey/>

Vision statement: https://healthyschoolsday.ca/vision_child-care/

Survey results and Vision launch online news conference: Thursday 28 April, 2 PM EDT

Please register for call-in details: tc@tca.tc

Mould, Pesticides, Toxic Chemical Exposures Reported in Survey of Canadian Child Care Professionals

Nearly half of some 2,000 professionals in child care programs across Canada who responded to a recent national survey report unhealthy conditions for children, according to data released on national [Healthy Environments for Learning Day](#) (HELD).

Educators, support staff, administrators and others in oversight roles replied to the survey on a wide range of environmental health and sustainability topics, conducted in March and April by the Canadian Partnership for Children's Health and Environment (CPCHE) and the Canadian Child Care Federation (CCCCF), in collaboration with University of Ottawa researchers.

More than two-thirds of respondents expressed concern about risks to children's health and well-being posed by air pollution (indoor 64%; outdoor 69%), toxic chemicals in products (69%), a lack of access to nature (68%), and climate change (68%).

More than half (53%) cited lack of funding and 45% cited lack of support from government as barriers to action to improve environmental health protection and sustainability in their program.

The findings suggest that while child care professionals believe it is important for program settings to become healthier and more ecologically sustainable, the sector lacks the resources and supports to make needed changes.

Against this backdrop, and to mark Healthy Environments for Learning Day, CPCHE, CCCF and more than 40 organizations across Canada jointly released a [Vision for Healthy and Sustainable Child Care Environments in Canada](#), setting out 10 key areas for action.

Survey findings

Respondents to the national survey were asked about environmental health conditions in their child care settings. Among the findings:

- 22% reported mould or a mouldy smell
- 29% reported noticeable air pollution or fumes (e.g., from renovations, nearby industry, business or roadway)
- 23% reported structural disrepair such as a leaking roof
- 31% reported peeling paint on walls, woodwork or other surfaces
- 33% reported windows that don't open in rooms where children spend time
- 30% reported having basement areas where children spend time
- only 20% reported that their program had been tested for radon gas (a potent lung carcinogen that comes from uranium in soil and rock); 42% indicated that radon testing had not been done; 38% were unsure
- 29% reported excessive noise (e.g., from nearby roadway, industrial facility or airport)
- 35% reported that their program had been affected by wildfire smoke in the past two years
- 25% reported an insect infestation in the past year
- 26% reported a rodent infestation in the past year
- 22% reported pesticides used indoors on a routine basis
- 22% reported lawn or garden pesticides/herbicides used on a routine basis

“These findings are concerning. A striking proportion of respondents are telling us about child care spaces with mould, structural disrepair, peeling paint, pest infestations, routine use of pesticides, and noticeable air contaminants from nearby traffic or industry,” says Erica Phipps, CPCHE’s Executive Director. “As a society, we need to do better than this. If we are serious about ensuring that all children in Canada get the best possible start towards lifelong health and success in learning, we need to invest in the child care settings where many spend significant portions of their formative early years.”

“An ever-growing body of scientific research tells us that ongoing exposure to even low levels of some toxicants can permanently alter the developing brains and bodies of children,” Phipps adds.

While 73% of respondents say there is top-level support (e.g., from the child care administrator/board/owner), interest among staff (71%), and support from families (72%) to improve environmental health and sustainability in their child care programs, action is so far limited. When queried on a host of available measures to reduce children’s exposures to toxic chemicals and pollution, conserve energy or otherwise improve the program’s ecological sustainability, the majority of respondents reported that actions were only partially implemented or not yet underway.

Says Don Giesbrecht, CEO of the Canadian Child Care Federation: “This survey taps into the real-life experiences and knowledge of people working day-in and day-out in child care programs across Canada. We need to listen to their concerns and respond to these environmental health issues. It clearly shows why the Canada-wide child care plan is so necessary. Moving forward, more investment at the provincial/territorial and federal government levels are needed to create child care spaces that actively promote children’s health and well-being.”

“This survey speaks to the gap between commitment and capacity,” he adds. “People in our sector believe health and environment are important and want to see these changes. We just need to get the right policies and supports in place to enable it to happen.”

The results contribute to a renewed national dialogue sparked by nationwide federal-provincial/territorial child care investment agreements.

Progressive measures to improve environmental health and sustainability

Asked about a range of progressive measures to create healthier and more sustainable child care settings, respondents reported that their programs are currently taking action, including:

- ensuring children have regular access to green/natural play space (55%)
- reducing/avoiding the use of cleaning products that contain hazardous chemicals, other than those required to meet public health standards (45%)
- choosing/using toys and crafts supplies that do not contain toxic chemicals (44%)
- ensuring adequate shade (47%),
- minimizing the use of pesticides (49%) and
- ensuring a fragrance-free environment (43%)

Other measures, such as reducing vehicle idling or taking action to reduce carbon emissions, saw much lower levels of reported action.

Across all of the potential measures, at least 1 in 10 respondents, and sometimes up to 3 in 10, reported that they are not yet doing an action but are interested. For example,

25% reported interest but not yet action to conserve energy. Similarly, 22% reported not reducing the use of plastics, but expressed interest in doing so.

The survey findings suggest that climate change is the topic with the largest gap between level of concern and action. Only one in five respondents (20%) reported their child care program is taking action to reduce carbon emissions/address climate change, the lowest response rate across all measures surveyed. Yet, more than two-thirds (68%) of respondents indicated that they are very or somewhat concerned about the impact of climate change on children's current and future health and well-being.

More survey insights:

Action on COVID-19

Surprisingly, fewer than half (46%) of respondents said that their child care program had taken measures to increase ventilation or otherwise improve indoor air quality in response to the COVID-19 pandemic. Among the respondents who reported measures had been taken, opening windows more frequently was the most commonly cited action (67%), followed by use of portable (e.g., HEPA) air cleaning devices (53%). As a concerning indicator that information on safe and effective measures is not reaching practitioners, nearly one in twelve respondents (7%) reported the use of ozone air purifiers, devices for which Health Canada issued an [interim order](#) in 2021 to avoid use due to health risks. Similarly, 12% of respondents reported use of "fogging" devices that propel disinfecting/sanitizing chemicals into the air, a concerning practice that can increase inhalation of such chemicals by children and staff, and that is not known to be an effective means of reducing COVID transmission.

Not all child care settings are equal

Child care professionals who indicated that the majority of children in their care are living in low-income circumstances were more likely to report unhealthy conditions in their programs. Respondents working in programs in which a majority of children are on low income were more likely to report structural disrepair, lead in water supply pipes, recent insect and/or rodent infestation, mould or mouldy smell, excessive moisture, peeling paint, noticeable air pollution and/or excessive noise from a nearby roadway, industrial facility or other source, and the use of artificial air fresheners, among others.

Unregulated/unlicensed status was also significantly correlated with respondent-reported structural disrepair, having windowless rooms where children spend time, recent rodent infestation, routine use of pesticides indoors, use of cleaning/sanitizing/disinfecting chemicals in close proximity to children, and lack of natural vegetation in outdoor play areas.

Conversely, respondents who reported that their child care program has outdoor spaces with natural vegetation were more likely to be working in regulated child care, and in

programs serving a low proportion of children who live on low income, are visible minorities or who speak a language other than English or French at home.

Respondents working in regulated child care were more likely to report that their program had taken measures to improve ventilation and air quality in response to the COVID pandemic.

Child Health consequences

There is ever-increasing scientific evidence that children's exposures to toxic chemicals and pollutants, prenatally and in childhood, adversely affect their cognitive development, contribute to learning and behavioural challenges, and affect their educational pathways and lifelong health trajectories ([Bennett et al, 2016](#)).

Early environmental exposure to pollutants and toxic chemicals are implicated in the development of chronic diseases, including cancer, cardiovascular disease, asthma, diabetes, and neurodegenerative diseases ([Clark et al, 2020](#); [Cooper et al, 2011](#)).

CPCHE and CCCF launch online resource for child care professionals

In the lead-up to Healthy Environments for Learning Day, CPCHE and CCCF launched an [online information hub and checklist](#) offering child care professionals a host of practical tips and supporting information to improve environmental health and ecological sustainability in their programs. Survey findings indicate that such supports are needed: nearly nine out of 10 survey respondents expressed interest in using such a resource; 47% cited the lack of information, guidance and training as a current barrier to action.

Towards a national vision of healthy and sustainable child care environments

To further mark national [Healthy Environments for Learning Day](#), CPCHE, CCCF and more than 40 organizations across Canada released [Healthy and Sustainable Child Care Environments: A Vision for Canada](#).

It outlines 10 priority areas for action, including reducing toxic exposures, fostering children's access to natural play spaces, creating culturally inclusive settings, and taking action on climate change through building design/operations, energy conservation and uptake of renewable energy sources.

"I fully believe that Canada can achieve a world-class child care system that supports all children to thrive, models best practices on climate change, and fosters the child-nature connections that we know are so important for children's emotional well-being and their future role as environmental stewards," says Giesbrecht. We want to see action towards the Vision, and our sector is keen to do our part."

Further comments on the national Vision

“Children have a right to grow up in healthy learning environments and this is why governments must give special attention to the health and safety of children as they build the new Canada-wide system of early learning and child care. Child Care Now, Canada’s national child care advocacy association, endorses the ambitious vision and recommendations for healthy and sustainable child care environments developed by the Canadian Partnership for Children’s Health and Environment and the Canadian Child Care Federation. They will serve children, parents and communities for decades to come.”

- ***Morna Ballantyne, Child Care Now***

“Here in BC, we are recommending concrete policy changes that would advance key elements of this national vision statement. Our aim is to hasten BC’s transition to both universal child care and a clean economy in ways that improve the health and well-being of children, families, educators, and communities.”

- ***Sharon Gregson, Coalition of Child Care Advocates of BC***

“In an increasingly uncertain world, we need to do all we can to honour our children by creating safe and nurturing spaces in which they can learn, grow and thrive. If, as a society, we take the actions outlined in this Vision for Healthy and Sustainable Child Care Environments, we will be doing just that.”

- ***Raffi Cavoukian, Raffi Foundation for Child Honouring***

"Outdoor Play Canada welcomes and supports this national Vision Statement as a framework for collective action that will guide child care settings across Canada to optimize children’s well-being. There is unequivocal evidence that children benefit from routine outdoor learning and play, and connections with nature. Investing in healthy child care settings that afford ample access to outdoor play and the natural world will benefit children today and in generations to come. This Vision Statement supports the need for jurisdictional policy amendments to allow, accommodate, facilitate and encourage outdoor play as a healthy foundational feature of child care environments and delivery systems"

- ***Dr. Mark Tremblay, Chair, Outdoor Play Canada; Senior Scientist, CHEO Research Institute.***

* * * * *

About

The Canadian Partnership for Children’s Health and Environment (CPCHE)
healthyenvironmentforkids.ca/about/

The Canadian Child Care Federation (CCCF)
cccf-fcsge.ca

Healthy Environments for Learning Day (HELD)

healthyschoolsday.ca

Canadian Partnership for Children's Health and Environment (CPCHE) — Partner Organizations



* * * * *