



Research Community Engagement Survey Summary

Institute of Human Development, Child & Youth Health (IHDCYH)

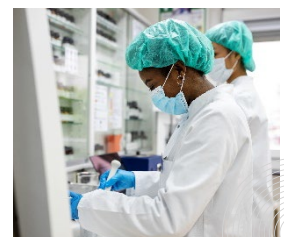
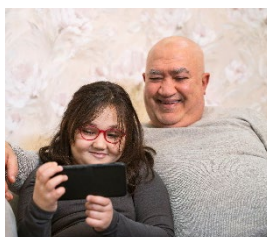
Introduction



We are committed to engaging with our community, including early career researchers, mid-career researchers, senior career researchers, clinician-scientists, trainees and fellows, as well as knowledge users – to identify strategic directions and research priorities that will make a difference. Between September 2020 and March 2021, IHDCYH as a founding partner of Inspiring Healthy Futures engaged broadly with a diversity of youth, parents, services providers, youth-serving agencies, cross-sector experts, and others to develop a commitment and action framework to mobilize communities around children, youth, and families in Canada. The IHDCYH community survey was launched to build on that work to deepen our understanding of the perspectives and needs of researchers.

In Fall 2021, we asked researchers to share their perspectives on challenges they face, opportunities to leverage strengths, the aspects of IHDCYH-led funding programs that are working well, and ideas on how we can continue to enhance the way we support the IHDCYH community.

This report summarizes the key findings from our Institute's community engagement survey. It serves as a vital piece to our strategic planning process.



Executive Summary

As a part of IHDCYH's **strategic planning process**, in Fall 2021 we launched a survey intended as a deeper dive with researchers following our engagements with the broader research community with Inspiring Healthy Futures. We wanted to hear more about researchers' perspectives on challenges, opportunities, the types of IHDCYH-led funding programs and activities that are working well, and ideas on how we can continue enhancing the way we support the IHDCYH community. The valuable information from the 220 responses we received is actively shaping the future of our Institute activities and funding priorities.



Respondent Demographics

We heard from researchers at all career stages, clinician-scientists, trainees and fellows, and knowledge users. Overall, there were responses from diverse community members, including 27% identifying as South Asian, Jewish, East Asian, Middle Eastern, Latin American, Black, or Southeast Asian collectively. In total, 20% of respondents identified as having a disability. However, fewer than 2% of respondents identified as indigenous; as transgender, non-binary, or two-spirit; and as having a visible disability respectively.

There is therefore a clear need to continue our efforts to enhance representation in all engagements that we do.



Partnering, Collaborating, & Convening: (including “Interdisciplinary Team Research”)

Over 40% of respondents did not feel well connected to partners, including significant challenges or barriers to initiating and sustaining partnerships with knowledge users. On the other hand, the majority of respondents generally felt actively engaged in interdisciplinary teams. Research funding, opportunities for networking, and recognition of interdisciplinary research by academic institutions were some of the top mechanisms identified for developing and maintaining interdisciplinary teams.



Catalyzing Research

Respondents felt that strategic funding, supports in grantsmanship, support for building interdisciplinary teams, mock peer review, and mentorship effectively catalyze success.



Knowledge Creation

Over 90% of respondents agreed that taking a lifecycle perspective enhances research. New and emerging research directions covered critical aspects of health, well-being, fulfillment, and engagement in life.



Knowledge Mobilization (KM)

Most respondents had some degree of comfort in developing end of grant and integrated knowledge mobilization (KM) approaches. Training in integrated KM, specific funding for KM, supports to connect with knowledge users, and implementation science training were requested.



Capacity Building and Career Pathways

For academic careers, funding, mentorship, and protected time for research were factors that often support respondents' careers. There was interest in training in areas such as grantsmanship, research group management, grant administration, and networking. However, more than half of respondents are considering careers outside of academia, such as health policy or industry.



Pandemic Impacts and Recovery

The pandemic at least moderately negatively impacted most respondents, and many are managing caregiving responsibilities. Measures to support funding use and attainment had been helpful.



Additional Recurring Themes

Sustainable funding, peer review, networking and partnerships, child and youth data, transition to early career research, mental health and work/life balance and; equity, diversity, and inclusion in research and for researchers recur as themes throughout this report.

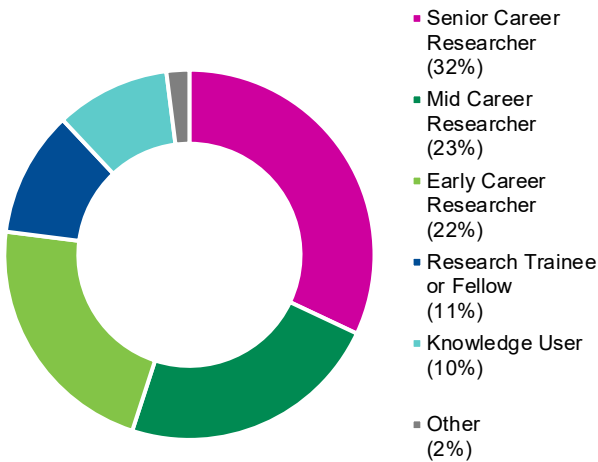
Respondent Demographics



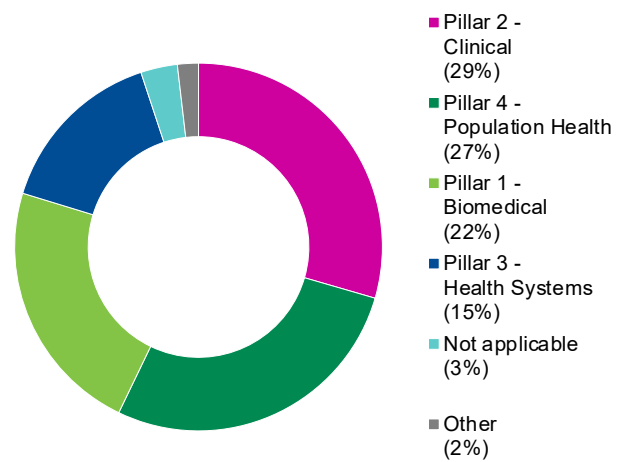
220
Total respondents

This summary reports percentages based on the number of responses per question, which varies.

Career stage or Role (n=219)



CIHR Pillar (n=219)



Location (n=209)

Ontario	42%
British Columbia	14%
Quebec	14%
Alberta	12%
Manitoba	6%
Nova Scotia	5%
Prefer not to answer	3%
Outside of Canada	1%
Saskatchewan	1%
New Brunswick	0.5%
Yukon	0.5%
Prince Edward Island	0.5%
Northwest Territories, Nunavut, Newfoundland and Labrador	0%



Characteristics and Intersectionality

81% of respondents identify as White Canadian, White American, or White European; while 27% identify as South Asian, Jewish, East Asian, Middle Eastern, Latin American, Black, Southeast Asian collectively

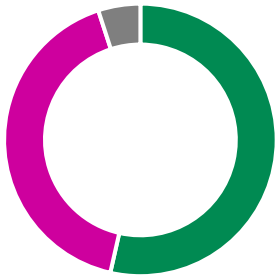
About 16% of respondents identify with having a disability, of which 15% of respondents identify as having an invisible disability

<2% of respondents identify as transgender, non-binary, or two-spirit

<2% of respondents identify as Indigenous



Partnerships: Current state



41%
Disagree to some extent

53%
Agree to some extent

“I feel well connected with partners who are able to provide financial or in-kind support for elements of my research activities.” (n=215)



41%

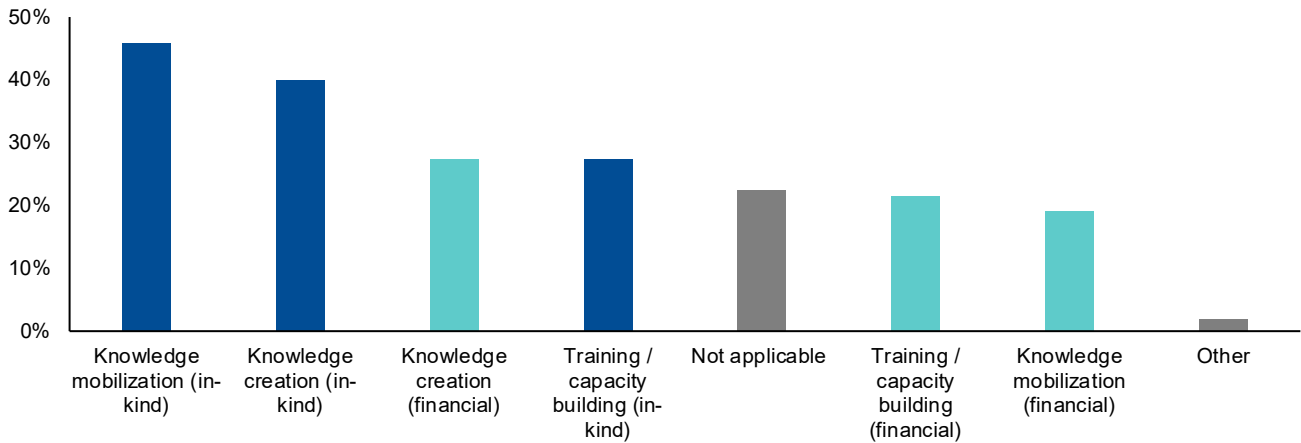
Have aspects of their research program supported by partners financially (n=205)



61%

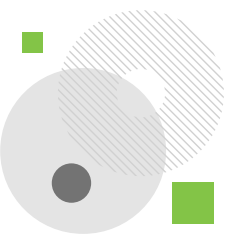
Have aspects of their research program supported by partners in-kind (n=205)

“Which, if any, aspects of your research program are supported by partners – either through in-kind or financial support?” (n=205) (Top 8 responses shown)



What we’ve heard about partnership needs

Researchers face both individual level and systemic barriers to identifying, initiating, and sustaining partnerships with knowledge users. Supports are needed to meaningfully engage with underserved and racialized communities as well as with decision makers, clinicians, providers, patients, and clients within healthcare, social services, and public health sectors. Training, direct support, and funding for partnerships are in high demand.





Interdisciplinary teams: Current state



90%

Agree to at least some extent

“I am actively engaged in an interdisciplinary research team.” (n=218)

Supports and needs for building and sustaining interdisciplinary teams

“Which funding types have you found most effectively support the development and activities of interdisciplinary teams?” (n=212) (Top 6 responses shown)		“What do you identify as your key non-funding needs as you establish and/or build an interdisciplinary collaborator network?” (n=211) (Top 6 responses shown)	
Operating grant funding	42%	Opportunities for networking	52%
Investigator-initiated competitions	42%	Recognition of interdisciplinary research by [...] academic institutions	48%
Team grant funding	42%	Resources and information to help identify potential collaborations	40%
Catalyst grants	24%	Training in skills / approaches to interdisciplinary research	38%
Knowledge mobilization grants	22%	Trainees equipped with skills / expertise to interdisciplinary research	36%
Planning grants	20%	Common understanding of what constitutes interdisciplinary research	32%



What we’ve heard about interdisciplinary research team needs and experiences

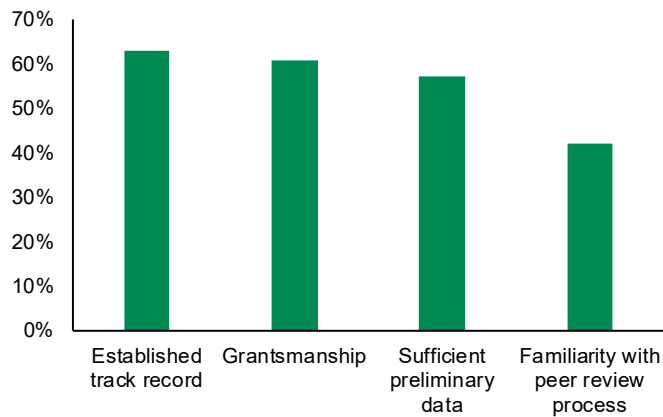
Researchers appreciate that significant time and interpersonal skills are needed to build relationships, create common goals, and sustain an interdisciplinary team. Challenges to developing these teams include navigating the research expectations of different fields and institutions (e.g., timelines, indicators of success and productivity, priorities); securing funds to support team operations, allocating enough time to build and sustain teams, initiating teams, geographic separation, working through team logistics (e.g., workload, communication practices, roles), and overcoming differences in terminology and paradigms.

There was concern about misalignment between current grant processes and interdisciplinary research, for example time required to develop collaboration and peer review panel composition. Potential disconnect was highlighted between the requirement to designate a Nominated Principal Applicant and the ethos of interdisciplinary teams, including fair recognition and distribution of funds.

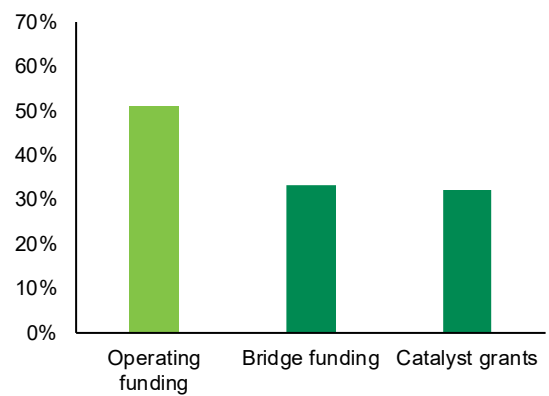


Success facilitators for CIHR investigator-initiated (Project Grant) competitions

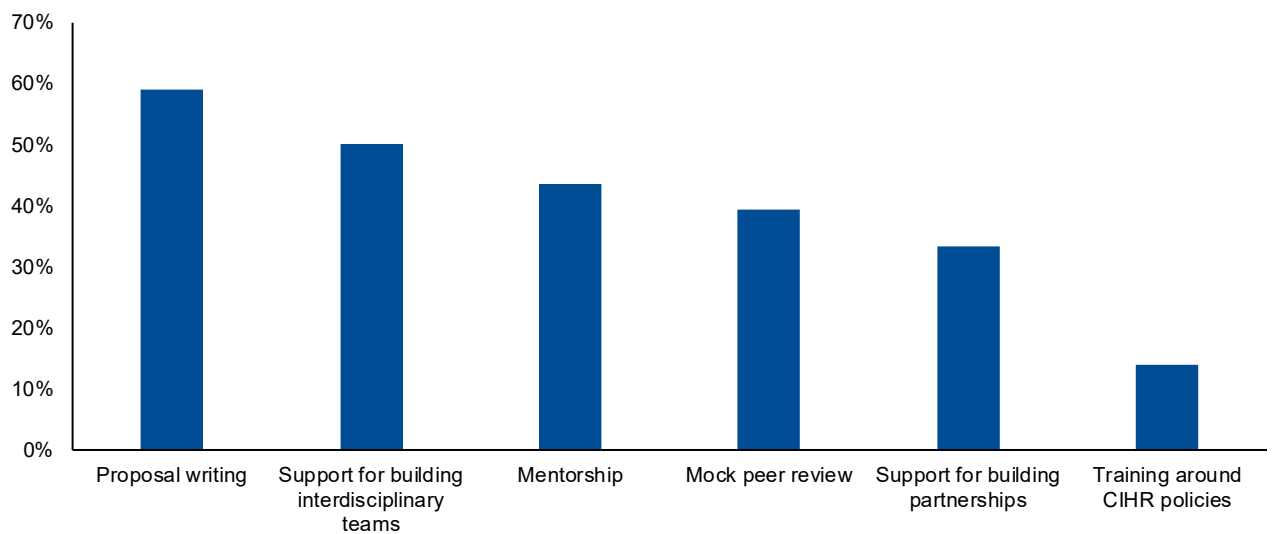
“What factors do you think facilitate success in the CIHR investigator-initiated competitions?” (n=206)
(Top 4 responses shown)



“Which strategic funding types do you think most effectively lead to success in the CIHR investigator-initiated competitions?” (n=196)
(Top 3 responses shown)

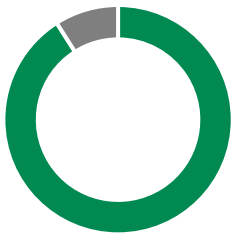


“Which non-funding supports do you consider most effectively catalyze success in the CIHR investigator-initiated competitions?” (n=195) (Top 6 responses shown)



Knowledge Creation

Endorsing strategic directions



91%
Agree to at least
some extent

“Taking a lifecycle perspective enhances research” (n=193)



What we've heard about the lifecycle approach

Overall, respondents were supportive of a lifecycle approach to health research and felt that IHDCYH was well positioned to lead this work. Some emphasize the need for more funding and infrastructure to support lifecycle research, while others highlighted the need to ensure that critical life stages such as pregnancy, early childhood and adolescence are prioritized in research, funding, and peer review. There was some concern that a focus on the lifecycle may lead to underrepresentation of the early years and decreased focus on non-lifecycle related research.

New and emerging research directions of interest and need



Social determinants of health



Implementation science



Health geography and societal stress



Digital health and technology-enabled research and intervention



Relationships between health, exercise, and outdoor play



Supports for children with disability and chronic health conditions



Early child development



Equity, diversity, and inclusion

Knowledge Mobilization (KM)

Perspectives on capability in knowledge mobilization



79%
Agree to at least some extent

“I am comfortable developing end of grant KM activities” (n=202)



75%
Agree to at least some extent

“I am comfortable developing an integrated KM approach” (n=200)



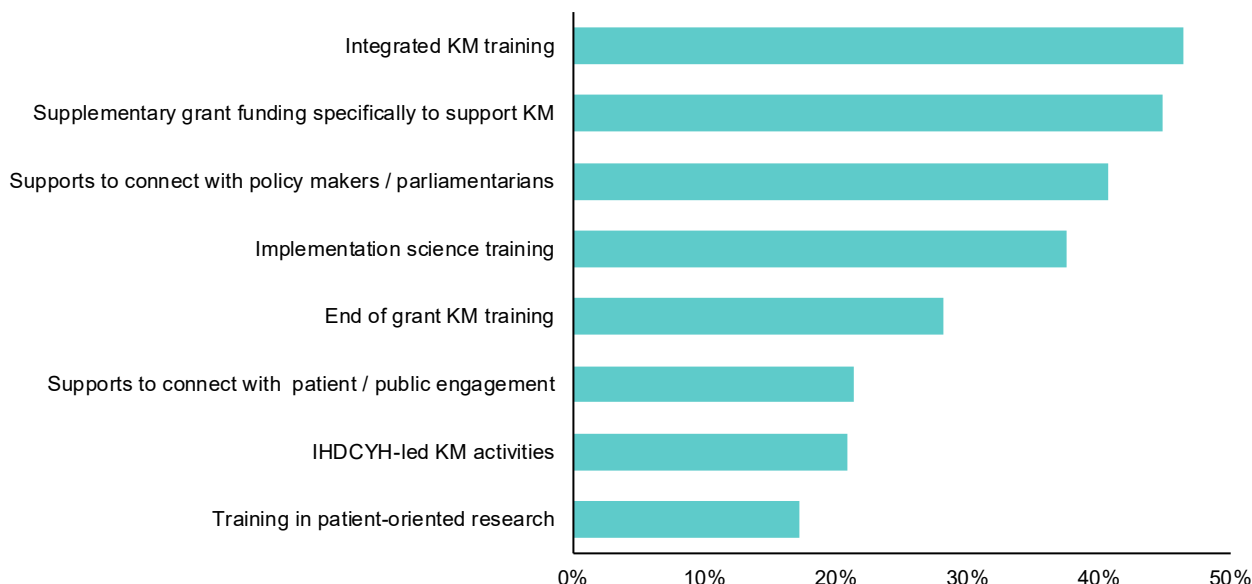
73%
Agree to at least some extent

“I am confident that I am engaging knowledge users in a manner that [...] is of most use to them” (n=201)



Hopes for knowledge mobilization supports

“How can IHDCYH best support you to enhance both end of grant and integrated knowledge mobilization as part of your research program?” (n=192) (Top 8 responses shown)



What we’ve heard about knowledge mobilization needs

There is a need for training in both the theory and practice of knowledge mobilization, as well as for supplementary grant funding. Researchers want to effectively engage with knowledge users such as policy makers and patients using evidence-based strategies, but face barriers. Researchers want to see greater capacity in implementation science.

Current knowledge user landscape

“Which knowledge user group(s) do you engage with regularly?” (n=199) (Top 10 responses shown)



59%

Healthcare staff or administrator



58%

Parent, family, or caregiver



51%

Patient or person with lived experience



50%

Professional organization



42%

Members of the public



40%

Community organizations



36%

Youth



36%

NGO or charity



31%

Policy maker (e.g., federal)



12%

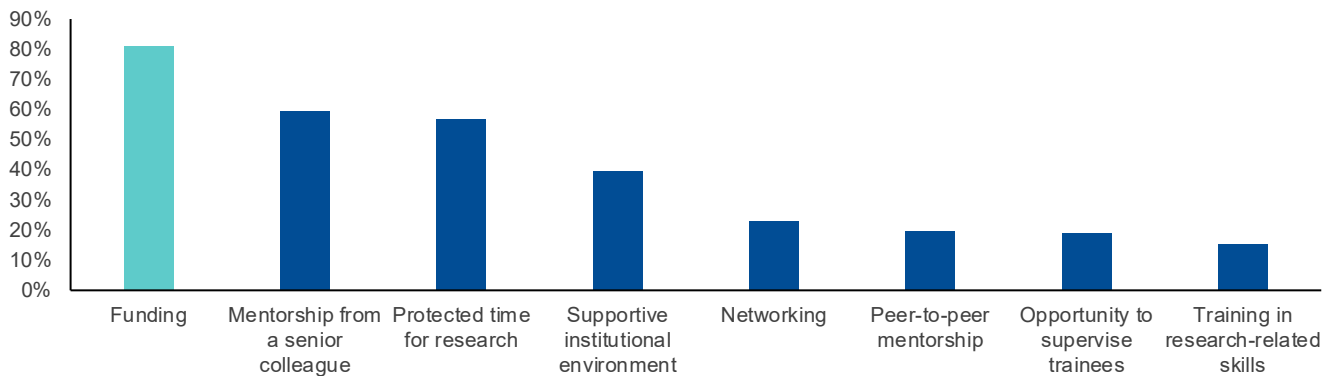
Business or industry



Capacity Building and Career Pathways

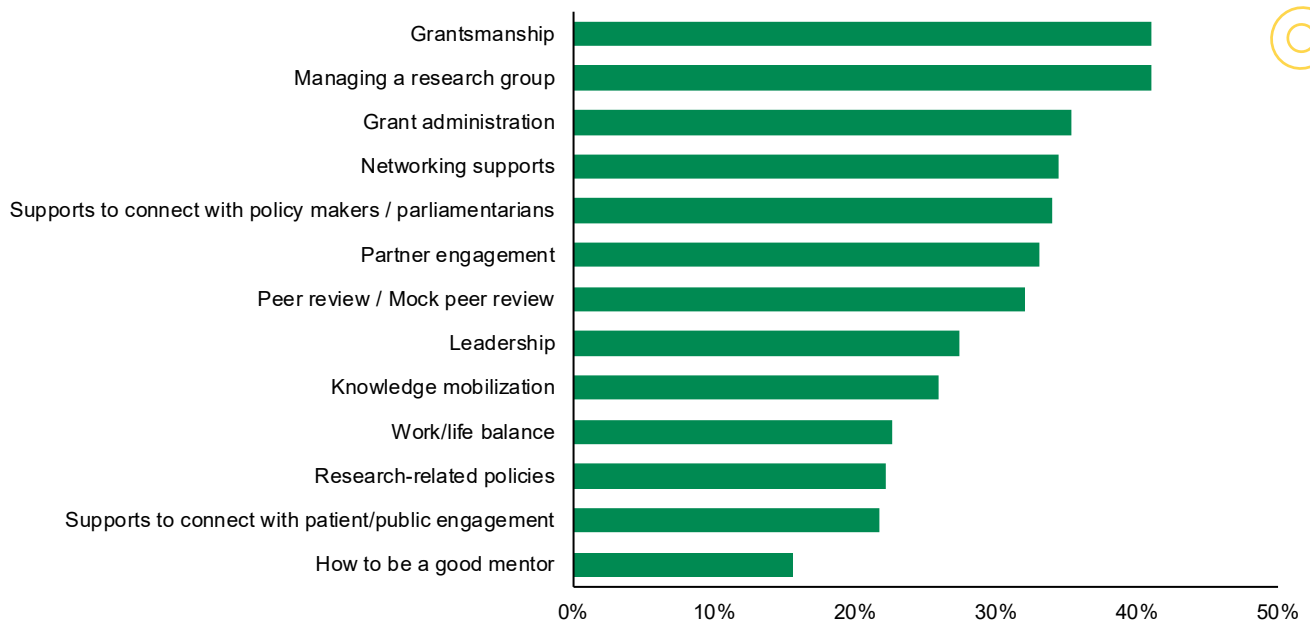
Facilitating factors: Career development

“What support has been most impactful in your career so far?” (n=215) (Top 8 responses shown)



Facilitating factors: Training and support

“Which training or supports has been or could be useful to your career?” (n=212) (Top 13 responses shown)



What we've heard about career pathway and capacity building needs

Researchers face challenges in finding positions in academia, continuity of funding to establish or maintain their programs, including stable employment for research staff, achieving work-life balance, and navigating research ecosystem concerns including research competitiveness and how research agendas are set. Some researchers in the community also experience challenges to research and/or career advancement due to discrimination and other systemic barriers. Clinician-Scientists and Early Career Researchers are hoping for more opportunities and support specific to their career stage and professional context. Mid Career Researchers face distinctive challenges in sustainable funding. Some Senior Career Researchers grapple with retirement. Particular emphasis was placed on ensuring that both the needs and trust with Indigenous people are addressed

Researcher movement and expansion to non-academic positions

“If you are considering alternatives to academic research pathways, which of the following is most interesting to you?” (n=184)



55%

Are interested in careers outside of academia

Here is a breakdown of the sectors these researchers are considering:



51%

Health policy



30%

Industry



26%

Research administration

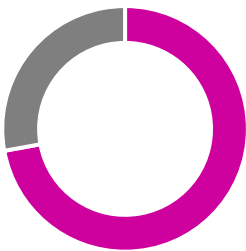


12%

Other (e.g., Clinical)

Pandemic Impacts and Recovery

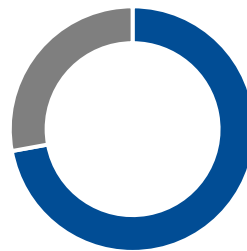
Pandemic impacts



72%

Feel at least moderately negatively impacted by the pandemic (n=201)

Caregiving responsibilities

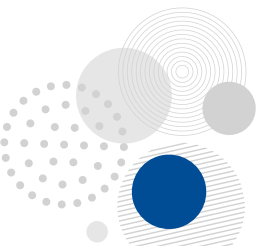
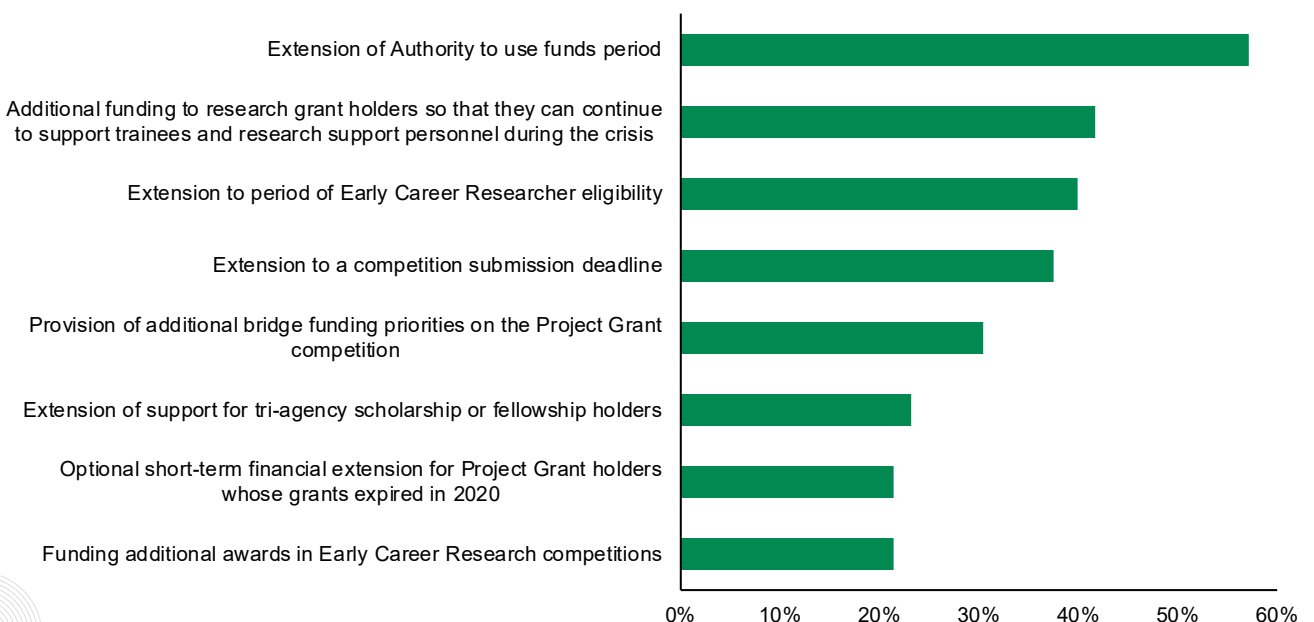


61%

Have caregiving responsibilities (n=188)

Mitigating strategies

“Which, if any, of the measures that have been put in place to support the research community have you or your team benefitted from and/or perceive as helpful?” (n=168)



Recurring Themes

We identified recurring themes that interact, intersect, and influence in different ways within and throughout the different sections of this report.



Sustainable funding



Peer review



Networking and partnerships



Transition to Early Career Research



Child and youth data



Equity, diversity, and inclusion in research and for researchers



Mental health and work/life balance

who are women, have a disability, are racialized, Indigenous, and are from the LGBTQ+ community.

Methods



Between September 2020 and March 2021, IHDCYH as a founding partner of Inspiring Healthy Futures engaged broadly with a diversity of youth, parents, services providers, youth-serving agencies, cross-sector experts, and others to develop a commitment and action framework to mobilize communities around children, youth, and families in Canada. Following these broader conversations, we launched a survey targeted at researchers to learn more about their perspectives.

The IHDCYH community survey was developed, and pilot tested over the Summer and early Fall of 2021. We received valuable feedback on survey design from Institute advisory members, early career researchers, and trainees to improve clarity, length, and ease of use. It contained 48 questions, with a mix of both closed-ended and open-ended questions.

The survey launched in Fall 2021 for a 6-week period. We disseminated the survey through a broad variety of channels including IHDCYH's and CIHR's social media (Twitter and LinkedIn), IHDCYH's newsletter and website, and partner email lists (e.g., research institute leadership, pediatric healthcare centres). The survey was available in both French and English.

The IHDCYH team used descriptive statistics to summarize the quantitative data collected. Qualitative information was themed and narratively summarized.