

20 23

Canadian Cardiovascular Society Annual Report



Canadian
Cardiovascular
Society

Société
cardiovasculaire
du Canada

CCS.CA

Message from the CCS President

An inspiring and promising future for the cardiovascular profession in Canada



2023 was one of my most enriching years yet as a CCS member, as I completed my first full year in the role of society President and wrapped up my 20th year of working alongside each of you to advance our shared vision of Strong Heart Teams in a Heart Healthy Canada.

We continue our steady growth as the professional home to more than 2,500 members, including trainees and students. The bright future of our profession was wonderfully apparent to me when we gathered together in beautiful Montréal, Québec, for Vascular 2023, alongside thousands of delegates from other disciplines and more than 20 countries to network, discuss ideas, and learn from each other through the 240 scientific sessions that were delivered.

For some of you, this was your first or one of the handful of times you've had the chance to meet your peers from across the country, and the knowledge exchange I observed was inspiring. I know everyone gained insights and clinical knowledge. Moving forward, get involved where you can – there are countless opportunities for you get involved at the CCS and contribute to excellence and evidence in cardiovascular care, and myriad ways to continue to develop for trainees, early and mid-career, and into retirement.

“We don't know what we don't know,” so, purposefully, our multi-subspecialty One Heart Team fosters inclusivity for the entire cardiovascular care team by connecting 14 cardiovascular Affiliate societies to exchange information and learn from each other. All Affiliate societies are quick to fill gaps that others have identified, and to lean on each other when a peer's expertise is needed. To further leverage the power of collaboration, the CCS initiated the launch of the Canadian Alliance of Cardiovascular Centres during Vascular 2023, which will bring leading institutions together to amplify and accelerate innovation at various levels of cardiovascular healthcare systems, starting in the New Year.

CCS Guidelines and Clinical Practice updates are developed and published by tapping the world-renowned knowledge and expertise of CCS members, setting standards for excellence in heart health and care. 126 members representing all the Affiliate societies were involved this year, with four CPUs and two Guidelines published in 2023, and another nine topics currently under development for publication over the next two years. CCS also received an additional \$2.3M in funding for a total of \$3.6M from the Public Health Agency of Canada in 2023 to expand the CCS National Active Surveillance Study of **MY**ocarditis and/or Pericarditis following mRNA **COVID-19 VACC**ination (MYCOVACC).

Our trio of scientific journals - the Canadian Journal of Cardiology, the Canadian Journal of Cardiology Open, and the Canadian Journal of Cardiology Pediatric & Congenital Heart Disease – supports the amplification of knowledge and recommendations for care, and collectively are steadily gaining reach. I'm proud to be the Editor-in-Chief of CJC Open and to share the latest news about our scientific journals' growing impact factors and uptake in this 2023 CCS annual report.

To all CCS members and staff, I express my gratitude for your many contributions to the field of cardiovascular health over the past year. We've accomplished great things by working together and I look forward to what we achieve in 2024.

Michelle Graham, MD, FRCPC, FCCS

Message from the CCS CEO

Important new initiatives fuel the start of
a high-impact 2024



A new year is upon us and CCS is charging ahead on a number of exciting initiatives that have been in the works and are ready to come to life.

The new CCS digital Learning Management System (LMS) will launch this winter as the hub for all CCS Continuing Professional Development programming. The LMS offers members preferred-access to all programming, and the convenience of being able to report CPD credits to the Royal College of Physicians and Surgeons of Canada. You'll be able to log into one central platform to access any CCS CPD content and track your learning progress in a single place. The official launch is imminent – we'll keep you abreast of all you can expect from this superior platform.

The Canadian Cardiovascular Congress returns October 24-27, 2024 this fall to scenic Vancouver. The scientific program and networking opportunities will hold something for every member of the heart health team. Save the date and look forward to our wonderful annual reunion with colleagues and up-and-comers in cardiovascular medicine.

The CCS-initiated Canadian Alliance of Cardiovascular Centres launched at Vascular 2023. It brings together cardiovascular centres from across the country to exchange ideas, improve processes, and collaborate on how to deliver the best care to Canadians from coast to coast to coast. The Alliance meets quarterly, and is presently developing a robust two-year work plan. If your center is not yet involved, reach out to me about how to get involved. Updates on CACC developments will come throughout the year.

In 2023, CCS provided \$287,000 in funding for trainee and early career investigator-led research. We will surpass that in 2024 to further support and propel bright young minds that make up the future of our profession. Trainees are continuously supported through the CCS Academy, which provides the funding for the *Have a Heart* bursaries, trainee review programs, opportunities to participate on CCS standing committees, recognition for research excellence, and many tailored events at CCC 2024. I encourage each of you to read the [2023 CCSA annual report](#), and to consider donating to the Academy so that we can continue to accomplish great things for those entering or getting started in the profession.

On behalf of the CCS Board and our 34 full-time staff, it is a pleasure to work with you to advance cardiovascular care, year after year. The beginning of each new year energizes me – we have much to accomplish together in the months that lay ahead.

All the best for the New Year,

Carolyn Pullen RN PhD
CEO, Canadian Cardiovascular Society

Membership

Contributing to Excellence in Cardiovascular Care



44 Committees and Working Groups

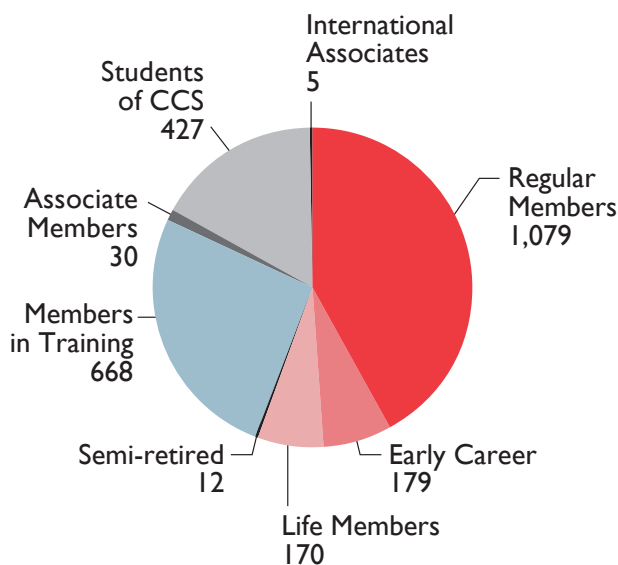
347 Members Engaged

2,570 CCS Members



Dr. Varinder Randhawa

\$287,000 provided in funding this year for trainee and early career investigator research.



- This year, we saw a **40%** increase in associate members compared to 2022.
- **109** of our **2,570** members in 2023 either joined the CCS for the first time, or transitioned from being a member in training to an early career member.

Investing In Our Trainees

As the second largest CCS member segment, trainees are the future of cardiovascular care in Canada. The active trainee committee of 28 members focuses on meeting the needs of those training in the profession. Leadership for this important work has been provided by Dr. Varinder Randhawa for 2023.

Recognizing Leaders In The Profession

- **160** Fellows of CCS, **13** of which were newly elected in 2023
- **126** members Involved in Guideline and CPU Development in 2023
- **22** CCS and Affiliate Society Recognition Awards in 2023

Working Together Helps Us Grow

The Canadian cardiovascular professional ecosystem includes the CCS and numerous specialty affiliates groups. The CCS acts as an umbrella for the One Heart team, which fosters inclusivity for the entire cardiovascular care team by connecting specialty societies to learn from each other.

CCS Affiliates



CCS Partnerships



76% of CCS members belong to at least one of our Affiliate societies.

Continuing Professional Development

In 2023, the CCS...

- Accredited **33** educational programs for a total of 90.25 MOC credits.
- Successfully delivered 7 MOC Section 1 accredited webinars, attracting over **1,320** registrants.
- Launched 8 MOC Section 3 Self-Assessment programs that are valid for 3 years, with over **390** certificates issued to date.
- Successfully delivered 6 Accredited Symposia at Vascular 2023 over a span of 3 days, with a combined attendance of over **1,000** delegates.
- Reviewed and approved **33** internal and external accreditation applications.



Vascular 2023 at a glance:

- Held from October 25-29, 2023 in Montreal, Quebec and hosted alongside the Canadian Society of Endocrinology and Metabolism, CanVECTOR, Diabète Québec, Diabetes Canada and Thrombosis Canada.
- Over **3,500** delegates from **22** countries in attendance
- **240** scientific sessions delivered
- **1,400** participating speakers
- **429** abstracts presented
- **85%** of delegates felt that Vascular 2023 completely met or met its stated learning objectives
- **6.7M** impressions of tweets using the **#VASC23** hashtag

Quality Care

CCS Guidelines and Clinical Practice Updates are developed and published thanks to the world-renowned knowledge, expertise and contribution of CCS members and affiliates, and set standards for excellence in heart health and care.

In 2023, CCS released four Clinical Practice Updates and two Guidelines:

Clinical Practice Updates

The Aortic Team Model and Collaborative Decision Pathways for the Management of Complex Aortic Disease: Clinical Practice Update From the Canadian Cardiovascular Society/Canadian Society of Cardiac Surgeons/Canadian Society for Vascular Surgery/Canadian Association for Interventional Radiology

Canadian Cardiovascular Society Clinical Practice Update on Management of the Patient With a Prolonged QT Interval

Canadian Cardiovascular Society-Canadian Heart Failure Society Focused Clinical Practice Update of Patients With Differing Heart Failure Phenotypes

Neuroprognostication in the Post Cardiac Arrest Patient: A Canadian Cardiovascular Society Position Statement

Guidelines

Canadian Cardiovascular Society Guidelines on the Fitness to Drive

Canadian Cardiovascular Society/Canadian Association of Interventional Cardiology Focused Update of the Guidelines for the Use of Antiplatelet Therapy

CCS Guidelines and Knowledge translation activities at a glance:



5,398 average monthly users of the iCCS app since its launch in June



25,000+ pocket guides delivered to Canadian health care providers in 2023



9 topics currently under development for publication over the next two years

Our Trio of Scientific Journals



- CJC's 2022* Impact Factor is 7.2 and it ranks 27 of 143 journals in the SCIE
- CJC Open is indexed by PubMed Central, Scopus, DOAJ, and Clarivate's ESCI. It will receive its first 2023 Impact Factor in 2024
- CJC Pediatric & Congenital Heart Disease has been accepted by DOAJ. It was submitted for PubMed Central indexing in May, accepted in October, and is live as of November 16, 2023

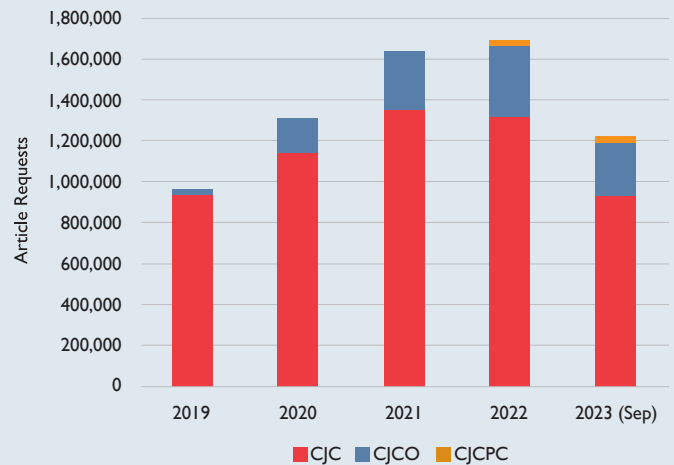
*The most recent date for which data is available

Online Usage



Across platforms (JBS, Science-Direct, ClinicalKey), article requests for the CCS journals combined exceeded 1.5M for the first time in 2021; 2022 usage was even higher. 2023 usage is on track to continue the upward trend.

Online Usage



Submissions

	2022	2023 (Oct 15)
CJC	1789	1440
CJC Open	269	291
CJC PC	64	59
CCS Journals combined	2122	1790

Submissions continue to normalize post-pandemic for CJC. CJC Open and CJPC will likely end 2023 with more submissions than 2022.

The Impact of mRNA COVID-19 Vaccines on Heart Health



Canadian
Cardiovascular
Society

MYCOVACC

In 2023, CCS received an additional **\$2M** from PHAC for a total investment of **\$3.6M** over three years.

The new funding allows for:

- Continued expansion of the existing study and extended follow-up of enrolled patients
- A new project using cardiac MRI to investigate recovery of the heart
- Extended follow-up of patients with COVID-19 associated myocarditis and/or pericarditis
- A study to explore reporting of adverse events following immunization to inform development of new tools

The CCS National Active Surveillance Study of **MY**ocarditis and/or Pericarditis following mRNA **COVID-19 VACC**ination (MYCOVACC) is a multi-centre, pan-Canadian study funded by the Public Health Agency of Canada (PHAC).

- Led by the CCS and Dr. Nathaniel Hawkins of the University of British Columbia
- Project began in October 2022 and studies the clinical and functional outcomes of adults and children experiencing myocarditis and/or pericarditis following mRNA COVID-19 vaccination

The pan-Canadian study, which involves the leading experts from cardiac care centres across the country, is working to determine if people who experience these rare heart conditions are at increased risk of future health problems.” – Dr. Nathaniel Hawkins, MYCOVACC Co-Principal Investigator