



DEPARTMENT OF PEDIATRICS

2021

ANNUAL REPORT

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THIS REPORT INCLUDES DATA AND EVENTS FROM THE
CALENDAR YEAR 2021,
ACADEMIC YEAR JULY 2020 – JUNE 2021,
AND FISCAL YEAR APRIL 2020 – MARCH 2021.

RESPECTFULLY SUBMITTED BY: DR. MICHAEL LEAKER,
ASSOCIATE PROFESSOR AND HEAD, DEPARTMENT OF PEDIATRICS,
CUMMING SCHOOL OF MEDICINE, UNIVERSITY OF CALGARY
AND CALGARY ZONE, ALBERTA HEALTH SERVICES.

New endowed chairs at the University of Calgary:

- Dr. Adam Kirton, Alberta Children's Hospital Foundation (ACHF) Robert Haslam Chair in Pediatric Neurology
- Dr. Nicola Wright, ACHF Barb Ibbotson Chair in Pediatric Hematology

Dr. Meagan Roy (R3) received the Best Waugh Award, Distributed Learning and Rural Initiatives, for interest in pursuing a career in rural medicine.

2021 Calgary Black Achievement Awards Recipients:

- Dr. Morris Scantlebury, Medicine
- Dr. Nicole Johnson, STEM (Science, Technology, Engineering, Mathematics) Award

Dr. Simone Kortbeek, Fellow, Section of Gastroenterology, 2021 Helios UCMG Post Fellowship Training Award recipient.

Cumming School of Medicine's 13th Annual Celebration of Excellence Award Recipients:

- Dr. Christian Farrier, Rhodes Scholar.
- Dr. Michele Ramien, Professional Association of Resident Physician of Alberta, Clinical Teaching Award.
- Dr. Scott McLeod, Professional Association of Resident Physician of Alberta, Well-being Award.
- Dr. Carly McMorris, Avenue Magazine's, Calgary Top 40 under 40.

Alberta Children's Hospital Research Institute (ACHRI) Child Health and Wellness Catalyst Award recipients:

- Branch Catalyst Awards: Drs. Brent Hagel and Suzanne Tough
- Seedling Catalyst Awards: Drs. Michelle Bailey, Candice Bjornson, Charlotte Foulston, Steven Greenway, Greg Guillcher, Shelina Jamal, Nicole Letourneau

Janet Aucoin, supervised by Dr. Brent Hagel, and Ash Kolstad, co-supervised by Drs. Brent Hagel and Carolyn Emery, received the Frederick Banting and Charles Best Canada Graduate Scholarship Doctoral Awards.

Dr. Gina Dimitropoulos and Dr. Stephen Freedman were awarded UCalgary's Peak Scholars in COVID-19 Innovation Excellence in clinical research.

Dr. Suzette Cooke, UCalgary Alumni of Distinction Award for Excellence in Education.

The Mama na Mtoto team, led by Dr. Jenn Brenner, was awarded the 2021 UCalgary Internationalization Achievement Award, International Program.

The Calgary Eating Disorder Program celebrated 20 years of interdepartmental collaboration.

2021 was a record-breaking year for promotions in the department with seven academic promotions and 14 clinical promotions.

Dr. Susan Samuel was awarded a Tier 1 Canada Research Chair in Precision Medicine and Data Science in Child Health

Dr. Mark Anselmo, 2020-2021 UCalgary PARA Resident Physician Well-being Award Honourable Mention.

Dr. Jovana Milenkovic, 2021 Dr. Marnie Hinton Award, Physician Wellness.

Dr. Khoshid Mohammad, Canadian Paediatric Society Emerging Leader in Neonatology Award.

Dr. Theresa Wu, Undergraduate Medical Education Award for clinical, adjunct and research faculty.

July 2021 marked the launch of the General Pediatrics Competence by Design Curriculum .

Dr. Cora Constantinescu and Dr. Jim Kellner, 2020-2021 Cumming School of Medicine CME & PD Top Teacher Award.

Dr. Anna MacKinnon, co-supervised by Dr. Lianne Tomfohr-Madsen, awarded the SSHRC Banting Postdoctoral Fellowship for work in perinatal mental health, parenting and child development.

Dr. Ian Mitchell, 2021 Canadian Paediatric Society Alan Ross Award.

Dr. Janice Heard, University of Calgary ARCH Award in Alumni Service.

Dr. Meagan Mahoney, author of "Meranda and the Legend of the Lake," was featured in the Globe and Mail, Must Read for Fall list.

The Department of Pediatrics Gender Equity and Diversity Report was released.

Dr. Susa Benseler and Dr. Suzanne Tough were inducted into the Canadian Academy of Health Sciences.

Dr. Keith Yeates was named as one of the newest Fellows for 2021 by the Royal Society of Canada (RSC).

Dr. Carolyn Emery and Dr. Nicole Letourneau were named 2021 Killam Annual Professors and recognized for their remarkable achievements in research, teaching and community involvement.

A resident-led mental health advocacy project, led by Dr. Rebecca Hay , received praise for enhancing youth mental health education.

Dr. Ellie Vyver, 2022 Society for Adolescent Health and Medicine (SAHM) International Chapter Award.

Drs. Katherine Bright, Michèle Hébert, and Anna MacKinnon completed the Canadian Child Health Clinician Scientist Program Certification.

A thank you to Drs. Juliet Guichon and Ian Mitchell for their leadership and advocacy in returning fluoride to Calgary's tap water.

Dr. Suzanne Tough was recognized by the Calgary Public Library for her work with Calgary's youth.

Dr. Stephen Freedman and Dr. Abhay Lodha were elected as members of the American Pediatric Society (APS).

Think2Switch was awarded \$150,000 to develop a novel innovation for children with severe physical disabilities and named the inaugural winner of the ST Innovations Challenge.

Dr. Nalini Singhal, 2021 recipient of the Global Child Health Award.

Dr. Deborah Dewey appointed as an Innovate Calgary e2i Principal Investigator and her postdoctoral fellow, Dr. Gillian England-Mason was awarded an e2i fellowship.

The National Institutes of Health in the United States is providing more than C\$11 million to support a six-year study led by Dr. Stephen Freedman to investigate a new treatment for E. coli in children.

Dr. Ayman Abou Mehrem and Dani Smith have trained over 180 health-care, education, and administration professionals in the EPIQ Workshop.

The Calgary Couplet Care Pilot Program went live the summer of 2021 at FMC to reduce the separation of mothers and babies resulting from NICU admission.



MESSAGE FROM DEPARTMENT HEAD



This report is a celebration of the hard work and unwavering commitment our department has put into patient care, administrative services, research, and education. It includes just some of the many stories about the remarkable work our members have done; for example, in vaccine advocacy, youth and adolescent mental health, medical education, research and innovation, and work to acknowledge equity, diversity, and inclusion within our department.

I am in awe of our members' incredible and collaborative work, and I am so excited to share these stories and recognition with everyone. The report highlights the breadth of award recognition our members have received internally with the department's CARE Awards and Innovation Awards and external recognition at the local, national, and international levels.

I look back on 2021 with a grateful heart and with great pride for what our department has accomplished as a group.

I am continually thankful and honoured to work alongside a group of wonderful individuals who put compassion and care at the center of everything that they do. Year two of the pandemic has been very challenging for everyone, filled with so many uncertainties and it has demanded much from each one of us. And yet, through it all, you continue to show up for each other, our patients and families, and our community; to provide excellent care with a commitment to compassion and keeping everyone safe. Your collective efforts are an inspiration. Thank you!

With a new year ahead of us, I hope we take the time to celebrate all the amazing work that we achieved in 2021.

As we navigate this year ahead, I know we will do so with kindness and compassion. We will continue to uplift one another and celebrate our collective successes. I draw inspiration and strength from the resilience and commitment displayed by each member of this department, and I look forward to celebrating your wins, big and small. The year will bring transition to a new department leader and I know that our future together will be bright. It has been my privilege to serve the department in the interim role; I could not have done so without the support, guidance and advice of a truly outstanding leadership team.

My deepest gratitude and thanks to everyone who helps to live out our vision, mission, and values day in and day out - from our clinical teams, residents and trainees, research teams, administrative support staff, and everyone in between, **thank you for everything that you do.**

Dr. Michael Leaker
Associate Professor and Department Head (Interim)
Deputy Head, Clinical Affairs
Section Chief, Pediatric Hematology
Department of Pediatrics

VISION, MISSION, VALUES



OUR VISION

Excellence in each of our four CARE Pillars:

- Clinical Service
- Advocacy and Leadership
- Research
- Education



OUR MISSION

To promote, maintain, and restore health in children by:

- Delivering high quality, evidence-based clinical care
- Training caregivers at all levels
- Innovation and dissemination of new knowledge



OUR VALUES

- Compassion
- Respect
- Integrity
- Collaboration
- Leadership
- Innovation



CLINICAL HIGHLIGHTS

2.5M

CATCHMENT POPULATION

300+

CLINICAL MEMBERS

24

SUBSPECIALTY CLINICAL
SECTIONS & UNITS

MESSAGE FROM DEPUTY HEAD, CLINICAL & STRATEGIC AFFAIRS



DR. MICHAEL LEAKER
DEPUTY HEAD
CLINICAL & STRATEGIC AFFAIRS

The Department of Pediatrics consists of almost 400 clinical and non-clinical faculty, expertly contributing to excellence in clinical care delivery, advocacy and leadership, research and education. We continue to provide care to a community of approximately 2.5 million people while supporting the advancement of health care at a national and international level.

This department has, once again, come together after another tumultuous year of uncertainty and unpredictability. The COVID-19 pandemic has seen our members rise to the occasion and contribute where they can. A number of my colleagues volunteered to support those at the frontlines of the pandemic, jumping in to provide care on adult COVID units. Others became vocal advocates for public health and education. In a time of uncertainty and misinformation, my colleagues became reliable sources of answers for colleagues and for our community at large. While others, helped support our patients on the home-front during staffing shortages.

To all of my colleagues, thank you for your dedication to our patients and our community. It has been a true privilege to support our department over this last year.



ADVOCACY IN OUR COMMUNITY AND BEYOND

ADVOCATES IN OUR DEPARTMENT



HIGHLIGHTING DR. CORA CONSTANTINESCU

For the past 24 months, Dr. Cora Constantinescu has become well-known for her work in vaccine advocacy at both a local and national level.

Dr. Constantinescu has led our community in vaccine education and advocacy for many years. Over the course of the COVID-19 pandemic, her educational influence has broadened to multi-media, appearing regularly as on television, news outlets and radio. She has become well-known for clarifying myths and misinformation about vaccines in a gentle and compassionate manner. On top of her regular clinical duties, Dr. Constantinescu is regularly seen providing community outreach for those who work in healthcare and education. She has provided a number of community engagement sessions, particularly to communities with low vaccine uptake. A recent town hall in the Buffalo region reaching an attendance of 8000 people.

Along with her work at the Vaccine Hesitancy Clinic and being part of a Canada-wide national surveillance group to review adverse events after immunization, Dr. Constantinescu is also the co-lead for “19 to Zero”. Formed back in August 2020, “19 to Zero” is a dedicated coalition of academics, public health experts, behavioural economists, and creative professionals working to understand, engage and shift public perceptions around COVID-19 and vaccination. Much of the content of “19 to Zero” was created or edited by Dr. Constantinescu. The primary aim was to reach individuals and communities who had questions, those who had lost trust amongst the rapidly changing recommendations, and those for whom accessibility to accurate information was a challenge. This program aims to be a consistent, accurate, and transparent resource. “[19 to Zero] has broadened my mind to solutions and possibilities I could never have done otherwise,” says Dr. Constantinescu.

“Overcoming vaccine hesitancy is usually about three things: confidence, complacency, and convenience,” says Dr. Constantinescu, “with the most challenging aspect being confidence.”

“
You never think about making a difference on a grand scale. The best part is hearing comments from individual people that I’ve been of help to them.
”

Tailored interventions have become important. Finding influential vaccine champions amongst minority groups have become crucial in building trust and providing vaccine confidence, particularly in the earlier stages of COVID-19 vaccine rollout. Dr. Constantinescu attributes the high vaccine uptake in Canada to the collective effort and hard work of all healthcare workers and vaccine champions who work tirelessly at the community level.

Through her countless media appearances and healthcare worker outreach, Dr. Constantinescu has been able to reach an audience far and wide and has brought our community one step closer to being safer.



Dr. Constantinescu was the recipient of the Continuing Medical Education (CME) Top Teacher Award by the Cumming School of Medicine for her presentations given during “COVID Corner.”





In 2021, the Calgary Eating Disorder Program celebrated 20 years of inter-departmental collaboration



Eating Disorders Clinic



HIGHLIGHTING THE SECTION OF ADOLESCENT MEDICINE

Drs. April Elliott, Ellie Vyver and Jorge Pinzon have been at the forefront of advocating and addressing the exponential increase of eating disorders, anxiety, somatic symptoms, and related disorders in children and youth over the pandemic. The increased incidence of these disorders in children and adolescents has been a pattern seen across the country and continues to heavily impact our youth today.

The Eating Disorder Clinic saw a huge increase in referrals from the community, a pattern consistent with much of the literature coming from places where COVID lockdowns were first implemented. To deal with this dramatic influx of kids in need, a quick revision of processes was required to put patients and families first. The Section of Adolescent Medicine took steps to recognize the impact this had on the work of their colleagues: community pediatricians, emergency department physicians, and hospital pediatricians. Protocols for inpatient admissions were revised with the help of pediatricians from a number of subspecialties to determine ways to best care for these patients when they presented to the emergency department. Drs. Caroline Chee, Shirmeem Doshi and Katie Soper were integral with helping to develop a collaborative care plan for patients and families upon presenting to the Emergency Department.

School closures, the lack of access to sports and recreational programs, and social isolation have taken a toll on Canada's youth. The need to support the mental health of our children and adolescents has never been greater. The term "#codePINK" was developed by Children First Canada as a way of recognizing this crisis as a pediatric emergency. It has created an online community of pediatric mental health advocates from across the country, such as Dr. Elliott and her colleagues, to help recognize and address the devastating impact of the pandemic on the mental and physical health of children and youth.

“We need to look at things from a biopsychosocial perspective in all areas of child health.”
DR. APRIL ELLIOTT

Over the years to come, Dr. Elliott sees the need for the medical community to integrate mental and emotional well-being with the physical health of our youth. This holistic approach encapsulates the practice of Adolescent Medicine, understanding the individual from their biologic, psychologic and societal contexts and working towards comprehensive health.

“This kind of work is biopsychosocial, it takes not only the knowledge of the medicine, but also the knowledge of how to show up in a way that is nurturing, compassionate and empathetic.”
DR. APRIL ELLIOTT

The Adolescent Medicine physicians pride themselves in taking a biopsychosocial approach to every patient encounter. To develop a family-centered care plan, they take the time to understand the medical, physical, psychologic and social impacts an eating disorder can have on the well-being of an adolescent. Recognizing the mind-body connection is sometimes overlooked in the traditional medical model, but this team continues to lead with a holistic approach to the health of their patients.



Dr. Ellie Vyver from the Section of Adolescent Medicine was the 2022 Society for Adolescent Health and Medicine (SAHM) International Chapter Award recipient.





MESSAGE FROM DEPUTY HEAD, PROFESSIONAL AFFAIRS



DR. SARAH HALL
DEPUTY HEAD
PROFESSIONAL AFFAIRS

Professional Affairs within the Department of Pediatrics has been busy over the last year!

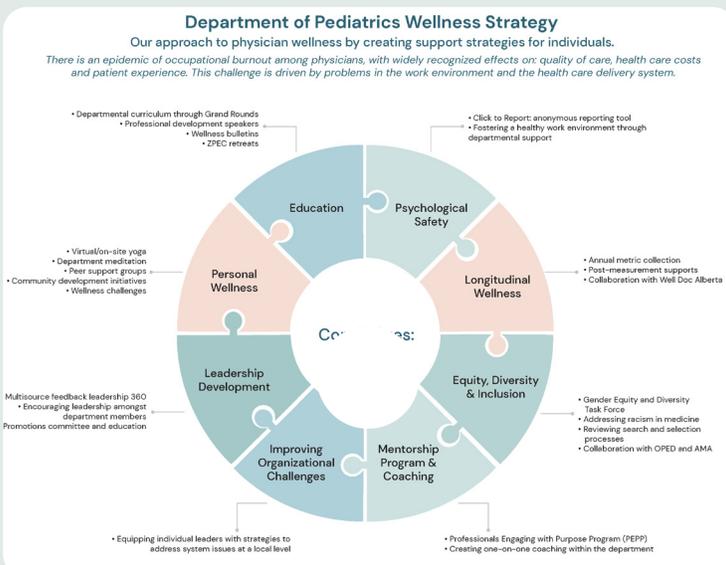
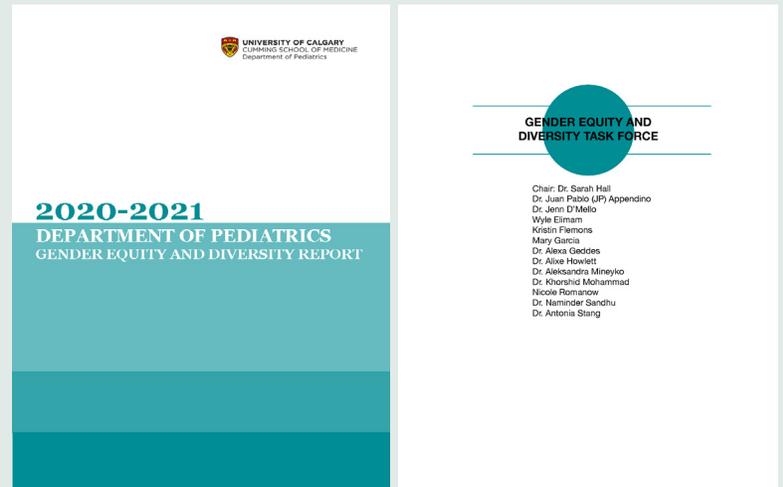
Leadership within our department came together early this year to look at organizational factors that contribute to physician exhaustion and burnout. A department-wide wellness strategy and wellness toolkit for medical leaders were developed to support the translation of these organizational strategies at the section-level. A Wellness Council was created, and this group meets monthly to help action interventions. We will continue to monitor our progress with our longitudinal wellness metrics measured in collaboration with Well Doc Alberta.

The Gender Equity and Diversity (GED) Task Force was created to assess gender equity within the Department of Pediatrics.

The GED Task Force approached this through:

- A survey of department physicians and faculty to understand member perceptions of gender equity,
- Comparison of these survey results to the collection of objective metrics from within the department.

The findings and recommendations of the report is available here.



Over the last 10 years, the department's leadership has made an effort to support and promote women physicians, but gender disparity still remains. The GED Task Force made six recommendations and utilized this report as the opportunity to start a conversation. The department remains committed to a future where our diversity is celebrated.

This last year has been a challenging one for our health care colleagues. Thank you to the many department members who stepped up to support our system in our COVID response.

Your leadership and your contributions are so appreciated!

FOSTERING EQUITY, DIVERSITY AND INCLUSION IN THE DEPARTMENT OF PEDIATRICS



In conjunction with her clinical work, the last 18 months for Dr. Nicole Johnson has focused on advocacy and education in equity, diversity, inclusion, and anti-racism strategies.

“There are many spaces I have to navigate to prove my worth and capabilities while avoiding pitfalls within racist systems and structures. At times you navigate these spaces alone or with mostly non-Black allies,” says Dr. Johnson. She has always understood that representation matters as one of Canada’s few Black women in pediatrics and pediatric subspecialties. As a leader in medical education, she continues to be a role model for Black youth so that they can see themselves in medicine and academics.

Two significant events moved her to be more conscious and explicit in her anti-oppression efforts: the inhumane death of George Floyd, followed by the Black Medical Students Association’s Calls to Action for the Cumming School of Medicine (CSM). These two big catalysts urged her to look at more ways to be a changemaker and to speak up against systemic racism. With the support of the Department of Pediatrics and Section of Rheumatology, she has taken on leadership roles with the Canadian Rheumatology Association (CRA), the CSM, and the Black Physicians Association of Alberta (BPAA).

Dr. Johnson established two mentorship programs for Black medical students this past year. The first program provides a platform for Black medical students and physicians to meet virtually to provide support for navigating the medical system. Another is a longitudinal program that pairs Black, first-year medical students with a faculty member for ongoing one-on-one mentorship so that they can feel supported throughout their educational journey. Students and faculty alike have recognized these meetings to be both meaningful and inspiring.

“ I urge all members to begin their journey of self-education on systemic racism and become part of the change towards a more equitable and just medical community. We can take small steps in our teaching to look at how we speak of race and ethnicity in our lectures and conversations. We can look at how we interact with our patients, students, and colleagues from communities different from ourselves. We can reflect on our privilege that is extended to us and see ways to use that privilege for the good of others in a less powerful position. ”

This past fall, Dr. Johnson and nine physicians from different academic institutions across the United States led the highly attended “Addressing Microaggressions in Medical Education Workshop” delivered to the Department of Pediatrics.

Dr. Johnson is currently pursuing the Anti-racism Award of Achievement from the University of British Columbia to learn more about anti-oppression strategies to further inform her work and to uplift others. She looks forward to delivering more workshops with allies in our department and assisting post-graduate programs with tools and strategies to become leaders in anti-racism medical programs within Canada.



Dr. Nicole Johnson was awarded:

- The 2021 STEM (Science, Technology, Engineering, Mathematics) Calgary Black Achievement Award for her contributions to the Black community and inspiring a generation of future Black scientists, doctors, and researchers.
- Class of 2020 Clerkship Honor Roll, Cumming School of Medicine, University of Calgary.



A MESSAGE FROM OUR RESEARCH LEADERSHIP TEAM



NICOLE ROMANOW
SENIOR CONSULTANT, CHILD HEALTH

The Department of Pediatrics research portfolio has continued to show strength and resilience through another challenging year.

Throughout 2021, the Department of Pediatrics Research Leadership Team worked closely with our partners, the University of Calgary Cumming School of Medicine, the Alberta Children's Hospital Research Institute (ACHRI), Alberta Health Services (AHS), and site administration to ensure research operations at the Alberta Children's Hospital remained open.

Through cooperation and collaboration with research teams, additional suspensions of research activities were mitigated at our hospital, enabling teams to launch new studies, recruit participants, conduct research visits, all while managing the ever-present risk of COVID-19. As a result of methodologic adaptations and some creative thinking, there is minimal interruption to research operations even though much of the work we do as researchers continues to happen through virtual means.

Several of our research teams have demonstrated how to overcome the obstacles we have faced in the past 18 months. For example, our Pediatric Emergency Research Team (PERT) secured over 4.9 million dollars in peer-reviewed funding and successfully launched over 10 new studies in the Emergency Department.

Our rising star early-career investigators have also shown how hard work, the ability to adapt, and a passion for providing research-informed care to their patients can lead to innovative project ideas. Dr. Serena Orr was successful in obtaining two CIHR early-career grants and is leading an investigator-initiated clinical trial for a pediatric migraine intervention, all within the first few years of being an academic faculty member. These are only a few of the numerous examples of both new and established research programs poised for growth in the coming years, and we can't wait to see what's next.

Child health research is essential for the advancement of clinical care and improved outcomes for patients and their families. We have been very fortunate to play a central role in the rollout of the Child Health and Wellness Strategy, led by our partners at the ACHRI. We have much to look forward to as part of this innovative, multidisciplinary, and diverse research approach is extended across the University of Calgary and our broad, connected communities. This includes more accessible research support and infrastructure, expanded opportunities for clinical and research trainees, and an enhanced network of partners locally, provincially, and beyond.

With much to celebrate this year amidst ongoing challenges, it is a wonderful and exciting time to be a child health researcher in the Department of Pediatrics.



“I want to inspire junior clinicians, work on ways to build them up to achieve success in scientific and academic careers, and help them make a difference.”

DR. SUSAN SAMUEL



Q&A WITH DR. SUSAN SAMUEL



Dr. Susan Samuel is a role model to many within the Department of Pediatrics. She shares with us life lessons and some advice for our junior researchers.

WHAT MADE YOU GO INTO RESEARCH?

I want to do research because I want to make a difference. My family has suffered a lot of health challenges over the years, and we appreciate the impact medical science can make in one's life.

It was in my first year of fellowship when one particular mentor recognized my interest in epidemiology and statistics, and encouraged me to pursue a Master's Degree in Epidemiology at the University of Toronto. After completing my degree, I moved to Alberta. Here I met a great mentor, Brenda Hemmelgarn, the current Dean of the Faculty of Medicine & Dentistry at the University of Alberta. She saw my potential, encouraged me, and helped me develop as a clinician scientist.

This is why I am investing in scientist development programs and deeply committed to bringing up individuals from underrepresented groups like my own. Often times, students coming from my culture don't have role models or a network of connections. You need a broker to help guide you through these things and that is what my role in the Alberta Children's Hospital Research Institute (ACHRI) is about – connecting learners with the right mentor. We need to make sure all learners have equal opportunities for training, awards, and mentorship.

WHAT MOTIVATED YOU TO JOIN THE CANADIAN CHILD HEALTH CLINICIAN SCIENTIST PROGRAM (CCHCSP)?

I like to build people up and invest in people. CCHCSP is a program designed to develop skills for emerging clinician researchers to do great research, but also to become influential and resilient leaders.

I also saw an opportunity to innovate CCHCSP and fill in gaps in leadership to address diversity. My team and I spent an incredible amount of time over the last 3 years to increase and diversify the pool of applicants. These policies are working, and we hope to do more in the future.

ADVICE TO JUNIOR RESEARCHERS?

Invest in research training when you have the opportunity. Find a formal scientific mentor and work closely with that person. The mentor will help guide you through the different milestones you need to reach to be a successful clinician scientist or clinician researcher.

Deliberately craft your career towards a career in science or academic medicine. Scientific and academic careers are not created by accident. They are carefully curated, crafted and methodically built over time. Research is for those who want to think critically and engage in a systematic and structured method of thought. One must be willing to invest time and dedication in one focused area, to overcome failure and disappointment, to find it in themselves (with the right support around them) to persevere towards the goals they have set.

WHAT ARE YOU LOOKING FORWARD TO IN THE YEARS TO COME?

I strive to make a difference for my patients through my clinical work and research. I want to see solutions for the childhood health problems that I have committed to work on, such as nephrotic syndrome. I want to continue to support trainees and junior investigators by providing mentorship, tools and resources to succeed.



Dr. Susan Samuel was awarded the Tier 1 Canada Research Chair in Precision Medicine and Data Science in Child Health to expand treatments for pediatric kidney disease and improve the transition to adult care for children with chronic disease.



EARLY CAREER RESEARCHER SPOTLIGHT

“

[The Department of Pediatrics] has been a great place for me to start my career, I've been really happy here, the biggest thing about being here are the people and the collaborations I've established.”

The Department of Pediatrics continues to celebrate the incredible work spearheaded by our early-career investigators. Dr. Serena Orr is an emerging research leader in our midst. Like many in the department, Dr. Orr's time is split between clinical and research work and she is currently transitioning to her role as Clinician Scientist.

Her interest in mental health and in the brain led her to complete a Bachelor of Science with Honours in Psychology. It was through this honours program that she was first exposed to the research world through a brain mapping project at the Montreal Neurological Institute. Her undergraduate work ultimately led to an interest and focus on headache disorders and migraine in children and adolescents. Dr. Orr's work in this area allows her to marry her interests in neurology and mental health and to take a holistic approach to her patients.

Since joining the department in 2019, she has begun to collaborate with a number of colleagues with overlapping interests. She works closely with Dr. Ashley Harris as co-leads for a Canadian Institute of Health Research (CIHR) funded study to learn more about the biology of migraine in children and adolescents. For her CIHR Early Career Investigator award project, she is working closely with Dr. Stephen Freedman and Dr. Adam Kirton to improve care and treatment options for children presenting to emergency departments with migraine attacks.



In 2021, Dr. Orr was the recipient of a CIHR Project Grant and a CIHR Early Investigator Award in Maternal, Reproductive, Child and Youth Health.

Dr. Orr is always thinking of the next study and how to advance knowledge and treatment options for children and adolescents with headache disorders. Her overarching goal is for her research to be impactful, change practice, and have patients engaged from day one. All research questions must be important to key stakeholders and designed in a way that is friendly to patients and families. A focus of hers is to integrate more patient, family and other stakeholder engagements in the research process.

Dr. Orr is looking forward to many future research opportunities. One such study focuses on the mental health predictors of outcomes in children and adolescents with migraine by examining different factors such as parent-child interactions and sleep. Second, is a study that aims to understand the biology of migraine in children and adolescents to better target treatments. Lastly, in her CIHR Early Career Investigator grant, Dr. Orr is excited about starting a pilot trial study that aims to assess a new neuromodulation-based treatment option for children and adolescents presenting to the ED with migraine attacks. In this project, Dr. Orr and her team have heavily focused on patient and provider engagement.



GRANTS & FUNDING

RECIPIENTS



CANADIAN INSTITUTES FOR HEALTH RESEARCH

Numerous Department of Pediatrics members were CIHR project grant recipients for studies and innovation that will help to advance and strengthen our health care system.

Dr. Adam Cheng, CIHR Operating Granting COVID-19 Research Gaps and Priorities, "Impact of Aerosol Box Use on Patterns of Healthcare Provider and Environmental Contamination during Aerosol Generating Medical Procedures: A Multicentre Study."

Dr. Nicole Letourneau, CIHR Operating Grant, Understanding and mitigating impacts of COVID-19 on children, youth and families.

Dr. Ayman Abou Mehrem, CIHR Spring 2021 Project Grant recipient, "Alberta (AB) Collaborative Quality Improvement Strategies to Improve Outcomes of Preterm Infants 32 - 36 Weeks' Gestation: A Stepped-Wedge Cluster Randomized Trial (ABC-QI Trial)."

Dr. Serena Orr, CIHR Project Grant, "Elucidating brain inhabitation and excitation in pediatric migraine."

Dr. Serena Orr, 2020 CIHR Early Career Investigator in Maternal, Reproductive, Child and Youth Health operating grant, "A pilot clinical trial of a new neuromodulation device for treating children and adolescents visiting the emergency department with acute attacks of migraine."

Dr. Morris Scantlebury, CIHR Spring 2021 Project Grant recipient, "The role of the acid sensing ion channel (ASIC) 1a in the mechanism of action of the ketogenic diet in infantile spasms."

NSERC DISCOVER GRANTS & SSHRC INSIGHT GRANTS

These grants help promote and maintain a diversified base of high-quality research and foster research excellence to build a better understanding about individuals, groups and societies.

NSERC Discovery Grants

- Dr. Julia Jacobs LeVan, "Understanding brain maturation: How spontaneous cortical high frequency oscillations develop and affect executive function during childhood."
- Dr. Pierre LeVan, "A research program into the neuronal basis of functional connectivity."

SSHRC Insight Grants

- Dr. Lianne Tomfohr-Madsen, "In the Shadow of the Pandemic: Examining the Impact of COVID-19 Stressors in Pregnancy on Child Socioemotional Development."
- Dr. Deborah Dewey and Faculty of Kinesiology collaborators, "The effect of peer-to-peer video modelling on socialization and physical literacy with autism spectrum disorder."

OTHER

Canadian Paediatric Society,
Alberta Medical Association,
Alberta Innovates,
Owerko Catalyst Grant

- Dr. Rebecca Hay (R3) and mentor, Dr. Amonpreet Sandhu, Canadian Paediatric Society Paediatric Resident Advocacy Education Grant recipient and 2020-21 Alberta Medical Association Emerging Leaders in Health Promotion Grant recipient and Canadian for her project entitled: "Minding the gap – youth mental health empowerment and education outreach initiative."
- Dr. Lara Leijser along with ACHRI researchers Drs. Amy Metcalfe and Donna Slater received \$5M in funding to advance maternal and newborn care research.
- Dr. Steven Greenway received an Alberta Innovates grant for Calgary-based research to help determine best treatment options for congenital heart defects
- Drs. Sheila McDonald, Suzanne Tough, and their collaborators were awarded an Owerko Catalyst Grant for their study entitled: "Identifying Developmental Risk and Protective Factors to Prevent Chronic Pain in Children."

MESSAGE FROM DEPUTY HEAD, EDUCATION



DR. LEANNA MCKENZIE
DEPUTY HEAD, EDUCATION

As we moved into our second year of the pandemic, our educators and trainees have continued to adapt and employ new strategies to promote excellence in medical education in a complex environment. Members of the Department of Pediatrics are committed to undergraduate and postgraduate medical education, and the interest and excitement within medical education continues to grow.

Many of our departmental members received prestigious educator and teaching awards in 2021 for their contributions to medical education. This year, Dr. Theresa Wu was celebrated as our departmental CARE Educator of the Year and was also recognized as the UME Educator of the Year.

Our department continued to bring forth new educational initiatives despite the difficult landscape of the pandemic. Our community pediatricians, including those in small urban centers throughout Alberta, continued to provide valuable opportunities for clinical teaching and leadership to clerks and residents, both in person and virtually. Under the leadership of Program Director, Dr. Amonpreet Sandhu, our general pediatrics program transitioned to competency-based medical education.

Through faculty education, departmental members were able to fulfill an integral role in this process by participating in new forms of evaluation, competency committee meetings and faculty advising. This year

also introduced innovative new programs into residency training such as the “Resident as Teacher” curriculum and the POCUS (Pediatric Point of Care Ultrasound) clinical rotation, both to excellent reviews. Our faculty continued to participate in Pediatric CME through virtual education, including weekly grand rounds and our annual pediatric update moved to an online platform.

Our department is proud to highlight a few members who have achieved outstanding work this year. Dr. Aleksandra Mineyko is a Pediatric Neurologist who also holds the role as Director of Learner Resources for PGME, University of Calgary. Along with her team at PGME, she has successfully launched a program to support postgraduate learners in difficulty. Dr. Erika Vorhies, a Pediatric Cardiologist, is just one example of an outstanding educator in our group, who demonstrates excellence in clinical teaching and her behind-the-scenes committee work in residency education.

Our resident members are committed to advocacy and wellness within our community. Senior resident, Dr. Jovana Milenkovic, received the Dr. Marnie Hinton award for her work and commitment to Physician Wellness. Finally, Dr. Rebecca Hay recognized the mental health crisis brought on by the pandemic and organized twenty-two pediatric residents to meet with junior high students in Calgary schools to discuss mental health and provide them with access to mental health services.

Medical education in our department is vibrant, transforming and thriving. Our trainees are a motivating force to create and maintain a comprehensive and fulfilling educational experience. As Deputy Head of Education, I am humbled by the adaptability and productivity of our members committed to education, even in the midst of our own personal challenges. Our entire department plays an integral role in creating a welcoming environment for learners. As we start 2022, I am optimistic that we can come together once again and reflect on our successes over the last two years.





PAVING THE PATH FORWARD
EDUCATORS IN OUR DEPARTMENT

EDUCATOR SPOTLIGHT: DR. ERIKA VORHIES

It has been eight years since Dr. Erika Vorhies joined the Department of Pediatrics and seven years since she stepped into Educational Lead for Pediatric Cardiology. Dr. Vorhies continues to enjoy this role because of the opportunity it provides to work with students and support them at different points in their rotation. She joined the Residency Program Committee in 2015 as a pediatric subspecialty representative; this role helped gain her insight and experience as to how post-graduate programs are structured. Her latest experience in education is in her involvement with the Pediatric Postgraduate Medical Education (PGME) Competency Committee, which looks at students' overarching progress and growth during their training.

When asked what drives her to be involved in medical education, Dr. Vorhies mentioned that she has always been interested in teaching, even during her time as a trainee. She loves seeing learners grow and become more confident as they grasp concepts. Dr. Vorhies has most enjoyed watching students develop from junior residents to practice-ready pediatricians.

Dr. Vorhies has had many individuals serve as role models throughout her career, and their teachings are instilled in the way she approaches medical education. "Even as an educator, there is always something new to learn," is a phrase that has stuck with her throughout her career and has helped her to navigate her role within medical education.

Dr. Vorhies is currently completing a Masters in medical education. Through this, she's looking to be more involved in various levels and gain the knowledge to continue making valuable contributions in the medical education field. She is also excited to continue supporting the growth of trainees and to see the effects of the transition to a competency-based medical education program in their learning experience.



Dr. Vorhies was the recipient of the 2021 Dr. Husam Zaki (Sam) Darwish Clinical Teacher of the Year Award in Recognition of Excellence in Clinical Teaching - Subspecialty Pediatrics.



What is your advice to junior faculty interested in developing expertise in medical education?

"Approach those within medical education and ask where the need is. Get involved, even if it's a small role, encourage yourself to grow and try something new."



EDUCATOR SPOTLIGHT: DR. ALEKSANDRA MINEYKO

Dr. Aleksandra (Aleks) Mineyko is a Pediatric Neurologist and the Director of Learner Resources in the Postgraduate Medical Education (PGME) program at the University of Calgary (UCalgary) since 2020. She supports program directors and teaching faculty across the Cumming School of Medicine (CSM) who work with learners who are struggling in any CanMEDS areas of competency.

Dr. Mineyko has always enjoyed teaching and education, and during her time as Program Director for Pediatric Neurology, she identified a gap in the availability of evidenced-based and consistent approaches for program directors who are looking to support struggling residents. Through her work in PGME at UCalgary, she and her team gather and review concepts and practices that have been proven to be successful and share these strategies with residency programs. This provides a hub of resources and guidance for program directors to help support their residents.

The COVID pandemic has heavily affected education. Restrictions implemented at the beginning of the pandemic altered the learning experience of residents and reduced the amount of in-person time supervisors have with their learners. These COVID changes, however, also created opportunities in the delivery of medical education, such as the establishment of virtual meeting spaces. Having this virtual space has been extremely helpful in Dr. Mineyko's role and for her team. It has become much easier to build relationships and to connect with residents and program directors across the university hospitals and outreach and rural teaching settings.

“Many don't realize that big improvements do happen. People often say that you can't change poor communication, for example, when in fact you can. You can train communication skills in physicians who are, as a group, highly motivated to learn. A few small interventions can make a huge difference.”

Dr. Mineyko has enjoyed her time in this supportive medical education role. This role has provided her with the opportunities to grow as an educator, to network with other education leaders, and to learn from others.

Dr. Mineyko has been integral in advancing individualized processes to support the growth and development of CSM residents, tailoring interventions to specific learning needs. Improvement in communication skills, recognizing opportunity in receiving feedback, and transitioning to a growth mindset have all helped shape a positive experience for those needing the supports of this team. This curated approach to the individual has seen positive outcomes. Dr. Mineyko is proud of the processes and resources that are now in place to help residents succeed.



“I want people to know that we are accessible, to contact us anytime. Sometimes people call us for general information not just for remediation or failed rotations. I think that's important to know.”

Dr. Mineyko and her team provide information on how to support your learners through times of struggle and difficulty.

[🔗](#) → Resources to support learners in academic difficulty.

OUR DEPARTMENT

2020-2021 ORGANIZATION & LEADERSHIP

**Dean, Cumming School of Medicine
University of Calgary**
Dr. Jon Meddings

**Medical Director, Calgary Zone
Alberta Health Services**
Dr. Mark Anselmo

**Department Head
Pediatrics**
Dr. Michael Leaker

**Deputy Head
Clinical & Strategic Affairs**
Dr. Michael Leaker

**Deputy Head
Education**
Dr. Leanna McKenzie

**Deputy Head
Professional Affairs**
Dr. Sarah Hall

**Deputy Head
Research**
Dr. Adam Kirton

Department Manager
Cecilia Lee

**Administrative Assistant to
Department Head**
Debbie Wall

AMHSP Controller
Marco Romanzin

Billing Coordinator
Tammy Bouchard

Communications Coordinator
Mary Garcia

Financial Analyst
Vincent Bali

Manager of Administrative Services
Michelle Bairstow

Manager of Administrative Services
Jessica Phillips

Physician Affairs Coordinator
Chantelle Cini

**Physician Remuneration
and Contract Coordinator**
Karen Rudd

**Senior Consultant
Child Health Research**
Nicole Romanow

Research Assistant
Ashton Chugh

PEDIATRIC SECTION CHIEFS & UNIT DIRECTORS

Adolescent Medicine – Dr. April Elliott
Cardiology – Dr. Kim Myers
Child & Family Health Research Unit – Dr. Gerry Giesbrecht
Community Pediatrics – Dr. Natalie Forbes
 Deputy Section Chief – Dr. Caroline Chee
 Child Abuse Service – Dr. Jennifer MacPherson
 Social Pediatrics Unit - Dr. Jennifer MacPherson
Critical Care – Dr. Simon Parsons
 Deputy Section Chief – Dr. Jonathan Gilleland
 Pediatric Transport – Dr. Ping-Wei Chen and Dr. Eli Gilad
Developmental Pediatrics – Dr. Jean-Francois Lemay
Emergency Medicine – Dr. Antonia Stang
Endocrinology – Dr. Carol Huang
Gastroenterology – Dr. Iwona Wrobel
Global Child Health Unit – Dr. Jenn Brenner,
 Dr. Jean-Francois Lemay, Dr. Nalini Singhal
Hematology & Immunology/Allergy – Dr. Michael Leaker
Hospital Pediatrics – Dr. Gemma Vomiero
Infectious Diseases – Dr. Otto Vanderkooi
Medical Genetics – Dr. Francois Bernier
Neonatology – Dr. Alexandra (Alix) Howlett
Nephrology – Dr. Silviu Grisaru
Neurology – Dr. Michael Esser
Oncology/Bone Marrow Transplant – Dr. Victor Lewis
Palliative Medicine – Dr. Sidd Thakore
Respiratory Medicine – Dr. Candice Bjornson
 Sleep Medicine – Dr. Adetayo Adeleye
Rheumatology – Dr. Heinrike Schmeling

There are over 100 members, including administrators and research staff, who support the Department of Pediatrics at all University of Calgary and Alberta Health Services sites throughout the Calgary Zone.

EDUCATIONAL PROGRAM DIRECTORS

Undergraduate Medical Education – Dr. Susan Bannister
Clerkship Evaluation Coordinator – Dr. Nicole Johnson

Postgraduate Medical Education
Developmental Pediatrics – Dr. Scott McLeod
Emergency Medicine – Dr. Naminder Sandhu
Endocrinology – Dr. Rebecca Perry
Gastroenterology – Dr. Gary Galante
General Pediatrics – Dr. Amonpreet Sandhu
 General Pediatrics Associate Program Directors:
 Dr. Amelie Stritzke, Dr. Shrimee Doshi, Dr. Theresa Wu
Hematology/Oncology/BMT – Dr. Doan Le
Hospital Pediatrics – Dr. Suzette Cooke
Infectious Diseases – Dr. Taj Jadavji
KidSIM Pediatric Simulation – Dr. Vincent Grant
Medical Genetics – Dr. Rebecca Sparkes
Neonatology/Perinatology – Dr. Prashanth Murthy
Nephrology – Dr. Anke Banks
Neurology – Dr. Colleen Curtis
Respirology – Dr. Glenda Bendiak

Continuing Medical Education – Dr. Julian Midgley

SITE LEADS PEDIATRICS

Foothills Medical Centre – Dr. Chris Lever
Peter Lougheed Centre – Dr. Carrah Bouma
Rockyview General Hospital – Dr. Darrell Palmer
South Health Campus – Dr. Faruqa Ladha

SITE LEADS NEONATOLOGY

Alberta Children's Hospital – Dr. Khorshid Mohammad
Foothills Medical Centre – Dr. Amuchou Soraisham
Peter Lougheed Centre – Dr. Leonora Hendson
Rockyview General Hospital – Dr. Hussein Zein
South Health Campus – Dr. Belal Alshaikh

OUR DEPARTMENT

CURRENT FACULTY

New Physicians

■ Retirees

*Locum

ADOLESCENT MEDICINE

Dr. April Elliott
Dr. Jorge Pinzon
Dr. Ellie Vyver

CARDIOLOGY

Dr. Robin Clegg
Dr. Franciscus Dicke
Dr. Deborah Fruitman
Dr. Randall Giuffre
Dr. Steven Greenway
Dr. Kim Haberer
Dr. Joyce Harder
Dr. Lindsay Mills
Dr. Kimberley Myers
Dr. David Patton
Dr. Erika Vorhies

CHILD & FAMILY HEALTH RESEARCH UNIT

Dr. Deborah Dewey
Dr. Gerald Giesbrecht
Dr. Brent Hagel
Dr. Alberto Nettel-Aguirre
Dr. Maria Santana
Dr. Suzanne Tough

COMMUNITY PEDIATRICS

Dr. Syeda Abbas
Dr. Hilda (Heidi) Angeles
Dr. Sheetal Bhojani
Dr. Rachel Bond
Dr. Carrah Bouma
Dr. Alexandra (Alixé) Carter
Dr. Ciara Chamberlain
Dr. Nathaniel Chan
Dr. Shirley Chan
Dr. Caroline Chee
Dr. Amy Chow
Dr. Neil Cooper (Child Protection)
Dr. Kate Culman
Dr. Katherine Doherty
Dr. Kirsten Ebbert
Dr. Amanda Evans
Dr. Kristin Evashuk
Dr. Renee Farrell
Dr. Elsa Fiedrich (.75 Neonatology Supp)
Dr. Cody Flexhaug
Dr. Natalie Forbes (Child Protection)
Dr. Frank Friesen
Dr. Janis Friesen
Dr. Cara Gilman
Dr. Roxanne Goldade
Dr. Sivalingum (Thiru) Govender
Dr. Janice Heard
Dr. Hardally Hegde ■
Dr. Kathryn Hluchy
Dr. Ernst Hoppenbrouwers
Dr. Kristen Hui
Dr. Louise Ing
Dr. Keith Jorgenson
Dr. Esther Jun*
Dr. Michele Kalny
Dr. Raisa Kanji
Dr. Cham-Pion Kao
Dr. Lori Kardal ■

Dr. Brian Kelly
Dr. Amelia Kellar
Dr. Victoria Kendrick ■
Dr. Krystina Kiefer
Dr. Kelleigh Klym
Dr. Faruqa Ladha
Dr. Jennifer Landero
Dr. Alexander Leung
Dr. Christopher Lever
Dr. Jennifer MacPherson (Child Protection)
Dr. Vicky Mah
Dr. Laura Miles
Dr. Kathleen Mitchell ■
Dr. Danielle Nelson
Dr. Sidney Nesbitt
Dr. Jane Ng
Dr. Peter Nieman
Dr. Steven Olliver
Dr. Darrell Palmer
Dr. Viktoria Pankiv
Dr. Billie Dawn Parsley
Dr. Jody Patrick
Dr. Roxanne Pinson
Dr. Melanie Purtzki
Dr. Asma Quadir
Dr. Phillip Quon
Dr. Laine Racher
Dr. Michele Ramien
Dr. Nadira Rashid
Dr. Lioba Redel
Dr. Lauren Redgate
Dr. Elizabeth (Betty) Robinson
Dr. Daniel Ross
Dr. Elizabeth Shyleyko ■
Dr. Robert Shyleyko
Dr. Pamela Stone
Dr. Tracy Taylor
Dr. Stephen Wainer
Dr. Lori Walker
Dr. Emery Weber
Dr. Byron Wong
Dr. John Wu
Dr. Douglas Yeung
Dr. Desiree Yow
Dr. Shaila Zaver

CRITICAL CARE

Dr. Jaime Blackwood
Dr. Samantha Boggs*
Dr. Shauna Burkholder
Dr. Ping-Wei Chen (Supp)
Dr. Paul Doughty
Dr. Tanya Drews
Dr. Mary Fras
Dr. Elyahu (Eli) Gilad
Dr. Jonathan Gilleland
Dr. Stacey Holbrook
Dr. Ashley Humber*
Dr. Shelina Jamal
Dr. Meagan Mahoney
Dr. Simon Parsons
Dr. Barbara (Cathy) Ross ■
Dr. Jennifer Rutledge (Supp)
Dr. Jonathan Sniderman

DEVELOPMENTAL PEDIATRICS

Dr. Geraldine Farrelly
Dr. Jennifer Fisher ■
Dr. Ben Gibbard
Dr. Jean-Francois Lemay
Dr. Kathryn (Kate) MacLellan
Dr. Scott McLeod
Dr. Alison Moore
Dr. Kara Murias
Dr. Kimberley Smyth
Dr. Pamela Veale

EMERGENCY MEDICINE

Dr. Rami Ableman
Dr. Hilary Ambrose
Dr. Francois Belanger
Dr. Donald Bethune (Supp) ■
Dr. Michele Bjornson ■
Dr. Andrea Boone (Supp)
Dr. Mark Bromley (Supp)
Dr. Robyn Buna
Dr. Gavin Burgess
Dr. Adam Cheng
Dr. Jennifer D'Mello (Child Protection)
Dr. Shirmee Doshi
Dr. Shawn Dowling (Supp)
Dr. Marc Francis (Supp)
Dr. Stephen Freedman
Dr. Roger Galbraith ■
Dr. Jennifer Graham Wedel
Dr. Jeffrey Grant (Supp)
Dr. Vincent Grant
Dr. Frederick Guilfoyle
Dr. Carey Johnson
Dr. David Johnson
Dr. Kevin Johnson (Supp)
Dr. Kristen Johnson
Dr. Christine Kennedy
Dr. Tanuja Kodeeswaran
Dr. Russell Lam
Dr. Kerri Landry
Dr. David Lendrum (Supp)
Dr. Ed Les
Dr. Lorraine Mabon
Dr. Joseph MacLellan (Supp)
Dr. Gordon McNeil (Supp)
Dr. Sarah McPherson (Supp)
Dr. Constance McTimoney
Dr. Andre Michalchuk (Supp)
Dr. Patrick Mihalicz
Dr. Kelly Millar
Dr. Shabnam Minoosepehr
Dr. Ellen Morrison
Dr. Rhonda Ness (Supp)
Dr. Cheri Nijssen-Jordan
Dr. Mary-Louise O'Byrne
Dr. Adam Oster (Supp)
Dr. Heather Patterson (Supp)
Dr. Karl Phillips (Supp)
Dr. Michael Pierse
Dr. Naminder Sandhu
Dr. Erik Saude (Supp)
Dr. Michelle Simonelli
Dr. Derrick Smith
Dr. Antonia Stang
Dr. Fiona Stewart

Dr. Dana Stys
Dr. Brittany Sunderani
Dr. Izabela Sztukowski
Dr. Graham Thompson
Dr. Margaret (Peggy) Thomson
Dr. Jennifer Thull-Freedman
Dr. Phillip Ukrainetz (Supp)
Dr. Hussein Unwala
Dr. Melanie Willimann
Dr. Ashlea Wilmott (Supp)
Dr. Ian Wishart (Supp)
Dr. Bryan Young (Supp)

ENDOCRINOLOGY

Dr. Krista Clark
Dr. Jonathan Dewart
Dr. Josephine Ho
Dr. Carol Huang
Dr. Paola Luca
Dr. Daniele Pacaud
Dr. Rebecca Perry
Dr. Katie Soper
Dr. Karin Winston

GASTROENTEROLOGY

Dr. Dana Boctor
Dr. Jennifer DeBruyn
Dr. Gary Galante
Dr. Dominica Gidrewicz
Dr. Jocelyn Jeong
Dr. Simon Lam
Dr. Helen Machida
Dr. Steven Martin
Dr. Leanna McKenzie
Dr. Sharron Spicer
Dr. Christopher Waterhouse
Dr. Iwona Wrobel
Dr. Alfred Yeung

HEMATOLOGY/IMMUNOLOGY

Dr. Doan Le
Dr. Michael Leaker
Dr. Luis Murguia Favela (Immunology)
Dr. Gurpreet Singh
Dr. MacGregor Steele
Dr. Nicola Wright

HOSPITAL PEDIATRICS

Dr. Christopher Andrews
Dr. Michelle Bailey
Dr. Susan Bannister
Dr. Chantelle Barnard
Dr. Adeline Brimacombe
Dr. Gary Chow
Dr. Deanna Cook
Dr. Suzette Cooke
Dr. Laura Davies
Dr. Tammie Dewan
Dr. Dominique Eustace
Dr. Julie Fisher
Dr. Michael Friesen
Dr. Sarah Hall
Dr. Michelle Jackman
Dr. Renee Jackson
Dr. Sangeeta Jain

Dr. Lindsay Long
 Dr. Catherine Macneil
 Dr. Sonia Menard
 Dr. Christopher Novak*
 Dr. Swati Rastogi
 Dr. Candace Rypien
 Dr. Amonpreet Sandhu
 Dr. Lindsay Stockdale
 Dr. Cristina Stoian
 Dr. Siddharth Thakore
 Dr. Peter Vetere
 Dr. Michael Vila
 Dr. Gemma Vomiero
 Dr. Karen-Rose Wilson
 Dr. Theresa Wu

INFECTIOUS DISEASES

Dr. Cora Constantinescu
Dr. Devika Dixit*
 Dr. Jessica Dunn
 Dr. Tajdin Jadavji
 Dr. Jim Kellner
 Dr. Susan Kuhn
 Dr. Mireille LeMay ■
 Dr. Otto Vanderkooi
 Dr. Joseph Vayalumkal

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Dr. Ping-Yee (Billie) Au
 Dr. Francois Bernier
 Dr. Allan (Micheil) Innes
 Dr. Aneal Khan
 Dr. Julie Lauzon
 Dr. Matthew Lines
 Dr. R. Brian Lowry
 Dr. Julian Marcadier
Dr. Ashish Marwaha
 Dr. Renee Perrier
 Dr. Rebecca Sparkes
 Dr. Mary Ann Thomas

NEONATOLOGY

Dr. Ayman Abou Mehrem
 Dr. Albert Akierman ■
 Dr. Essa Al Awad
 Dr. Belal Alshaikh
 Dr. Harish Amin
 Dr. Amina Benlamri
 Dr. Ashley Blagdon*
 Dr. Deborah Clark
 Dr. Stefani Doucette
 Dr. Adel ElSharkawy
 Dr. Carlos Fajardo
 Dr. Shabih Hasan
 Dr. Jennifer Heath (Neonatal Follow-Up)
 Dr. Leonora Henderson
 Dr. Alexandra (Alix) Howlett
 Dr. Majeeda Kamaluddeen
 Dr. Thierry Lacaze-Masmonteil
 Dr. Lara Leijser
 Dr. Abhay Lodha
 Dr. Khorshid Mohammad
 Dr. Prashanth Murthy
 Dr. Yacov (Jack) Rabi
 Dr. Nalini Singhal
 Dr. Amuchou Soraisham

Dr. Amelie Stritzke
 Dr. Sumesh Thomas
 Dr. Anne Tierney ■
 Dr. Jennifer Unrau
 Dr. Kamran Yusuf
 Dr. Hussein Zein

NEPHROLOGY

Dr. Anke Banks
 Dr. Silviu Grisaru
 Dr. Lorraine Hamiwka
 Dr. Matthew Harding
 Dr. Julian Midgley
 Dr. Susan Samuel
 Dr. Andrew Wade

NEUROLOGY

Dr. Juan (JP) Appendino
 Dr. Margaret Clarke
 Dr. Colleen Curtis
 Dr. Michael Esser
 Dr. Heather Graham ■
 Dr. Alice Ho
 Dr. Julia Jacobs-Le Van
 Dr. C. Adam Kirton
 Dr. Jean Mah
 Dr. Aleksandra Mineyko
 Dr. Serena Orr
 Dr. Eric Payne
 Dr. Beverley Prieur ■
 Dr. Harvey Sarnat
 Dr. Morris Scantlebury

ONCOLOGY/HSCT

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 Dr. Melanie Finkbeiner
 Dr. Gregory Guilcher
 Dr. Lucie Lafay-Cousin
 Dr. Victor Lewis
 Dr. Zoufficar Menhem
 Dr. Arumugavadivel Narendran
 Dr. Ravi Shah
 Dr. Douglas Strother ■
 Dr. Tony Truong

PALLIATIVE MEDICINE

Dr. Mala Arasu
Dr. Anne-Josée Cote*
 Dr. Naomi Goloff
 Dr. Estee Grant
 Dr. Amanda Hogg
 Dr. Erin Kwolek
 Dr. Kevin Levere
 Dr. Debbie McAllister (Supp)

RESPIROLOGY

Dr. Adetayo Adeleye
 Dr. Mark Anselmo
 Dr. Glenda Bendiak
 Dr. Candice Bjornson
 Dr. Jennifer Brenner
 Dr. Karen Kam
 Dr. Valerie Kirk ■
 Dr. Paul MacEachern (Supp)
 Dr. Ian Mitchell
 Dr. Mark Montgomery

Dr. Mary Noseworthy
Dr. Jody Platt*

RHEUMATOLOGY

Dr. Susanne Benseler
 Dr. Muhammed Dhalla
 Dr. Nicole Johnson
 Dr. Nadia Luca
 Dr. Paivi Miettunen
 Dr. Heinrike Schmeling
 Dr. Rebeka (Beka) Stevenson
 Dr. Marinka Twilt

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Dr. Marie-Claire Arrieta
 Dr. Karen Barlow
 Rev. Phillip Behman
 Dr. Karen Benzies
 Dr. Graham Boag
 Dr. Thomas Bowen
 Dr. Brian Brooks
 Dr. Marie-Anne Bründler
 Dr. Jeffrey Buchhalter
 Dr. Helen Carlson
 Dr. Catherine Chrusch
 Dr. Beverly Collisson
 Dr. Margaret Ruth Connors
 Dr. Dianne Creighton
 Dr. Lawrence de Koning
 Ms. Kathleen Douglas-England
 Dr. Carolyn Emery
 Dr. Taryn Fay-McClymont
 Dr. Laura Flores-Dinorin (Sarnat)
 Dr. Clare Gallagher
 Dr. Elaine Gilfoyle
 Dr. Walter Hader
 Dr. Mark Hamilton
 Dr. Laura Kaminsky
 Dr. Bonnie Kaplan
 Dr. Faisal Khan
 Dr. Nicole Letourneau
 Dr. Katelyn Lowe
 Dr. William MacAllister
 Dr. Shannon MacDonald
 Dr. Frank MacMaster
 Dr. Carina Majaesic
 Dr. Sheila McDonald
 Dr. John McLennan
 Dr. Carly McMorris
 Dr. Tamara Pringsheim
 Dr. Jordan Raugust
 Dr. Ivan Rebeyka
 Dr. Jong Rho
 Dr. Ganesh Shanmugam
 Dr. Leonard Smith
 Dr. Gesche Tallen
 Dr. Lianne Tomfohr
 Dr. Samuel Wiebe
 Dr. Thomas Christopher Wilkes
 Ms. Brenda Wilson
 Dr. Kathryn (Kay) Wotton
 Dr. James (JR) Wright
 Dr. Keith Yeates
 Dr. Weiming Yu
 Dr. Ephrem Zewdie

UNIVERSITY OF CALGARY REGIONAL

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 Dr. Charles Bester
 Dr. Sophia Capisonda
 Dr. Kerry Chan
 Dr. Kathryn Cooke
 Dr. Magriet du Plooy
 Dr. Talita Ferreira-Van der Watt
 Dr. Loretta Fiorillo
 Dr. Charlotte Foulston
 Dr. Josias Grobler
 Dr. Hendrik Hak
 Dr. Maya Harilal
 Dr. Liesl Heyns-Janse van Rensburg
 Dr. John Holland
 Dr. Ilona Levin
 Dr. Mark Mahood
 Dr. Kyle McKenzie
 Dr. Carey Molberg
 Dr. Vanessa Orrego
 Dr. Desmond Shulman
 Dr. Gerald Vaz

SUPPLEMENTARY/OTHER

Dr. Abdullah Alabbas
Dr. Michelle Bischoff (Supp)
 Dr. Lee Burkholder
 Dr. Elizabeth Condliffe
 Dr. Derek Exner (Supp)
 Dr. Rex Farran
 Dr. Nancy Ghazar
 Dr. Vithya Gnanakumar
 Dr. Daniel Gregson (Supp)
 Dr. Jennifer Grossman (Supp)
 Dr. Richard Haber (Supp)
 Dr. Matthew Hall (Supp)
 Dr. Christina Hardcastle
Dr. Fatemeh Jafarian* (Supp)
 Dr. Barbara Kellner (Supp) ■
 Dr. Pierre LeVan
Dr. Brian Lockhart* (Supp)
 Dr. Ian MacDonald (Supp)
 Dr. Davide Martino
 Dr. Lindsay McMillan (Supp)
 Dr. Jamin Mulvey
 Dr. Jennifer Nicol (Supp)
 Dr. Tyler Pirlot
 Dr. Man-Chiu Poon (Supp)
 Dr. Vimal Prajapati (Supp)
 Dr. Kathleen (Kathy) Reynolds
 Dr. Sharon Rousso
 Dr. Justyna Sarna
 Dr. Adam Spencer (Supp)
Dr. Samuel Stewart* (Supp)
 Dr. Oksana Suchowersky (Supp)
 Dr. Martin Vetter
 Dr. Andrew Wong (Supp)



O2 / SUCTION
FOR
EMERGENCY USE
ONLY

HFNC CIRCUIT
CHANGE WEEKLY

OUR RECOGNITION

CARE AWARDS & COMMUNITY PEDIATRICIAN OF THE YEAR AWARD

Clinician

Dr. Gemma Vomiero



Dr. Gemma Vomiero has led the Section of Pediatric Hospital Medicine and has created a clear path towards positive change. Despite the challenges that come with leading a large and diverse section and the added difficulties presented by the pandemic, Dr. Vomiero continues to lead by example and with patience and integrity. She is known to address the most challenging issues head on and work collaboratively with all stakeholders to create solutions, all while building and strengthening relationships. She engages in her role tirelessly and is always looking for ways to improve clinical care, medical education, quality improvement and research.

Advocate/Leader

Dr. Jim Kellner



Dr. Jim Kellner has been a local and national leader, especially over the past year with his guidance related to COVID-19 immunity and vaccination. He is widely regarded as an expert in childhood vaccination and has tirelessly provided expertise and guidance at local and national levels. Dr. Kellner's leadership helped establish ACH as the largest recruiting site for the Moderna COVID-19 vaccine trial for Canadian children 6 months to 5 years of age. Dr. Kellner continues to make remarkable contributions to the Department of Pediatrics and remains influential in his efforts at educating and advocating, both, for the public and for healthcare workers throughout the pandemic.

Researcher

Dr. Susanne Benseler



Dr. Susanne Benseler is a leader in our research community. She is widely regarded as a tireless and tenacious leader, leading our department and our university to national and international recognition. She is a dedicated clinician, whose patients and colleagues revere her for her compassion and her advocacy for quality patient care. She is widely celebrated for her incredible leadership and continues to make strides in advancing child health research. In 2021, Dr. Benseler was inducted into the prestigious Canadian Academy of Health Science, joining an esteemed community of the country's leading health and biomedical scientists and scholars.

Educator

Dr. Cora Constantinescu



Dr. Cora Constantinescu has been at the forefront of COVID-19 vaccination campaigns on a local, provincial, and national level. She remains steadfast and committed in her efforts at educating and advocating for healthcare workers and the public. She was the driving force to help establish the "COVID line," a resource community physicians use to receive timely phone consultations from pediatric infectious diseases specialists. In addition to her leadership work in the COVID-19 landscape, she continues to lead and advocate for local antimicrobial stewardship initiatives at ACH. Dr. Constantinescu's advocacy for promoting COVID-19 vaccinations has extended beyond the walls of ACH, she has been a tireless and trustworthy leader within our department and in our community.

Community Pediatrician of the Year

Dr. Heidi Angeles



Dr. Heidi Angeles is an inspiring and well-respected leader. She advocates strongly for her patients and is a supportive teacher to her learners. Dr. Angeles is committed to resident learning, she provides the time and support to help her learners grow. As a longitudinal preceptor, she encourages resident independence and autonomy in patient care and works to bring the next generation of strong community pediatricians into the future. She is empathetic and works to meet patients "where they are" while participating in initiatives to build community capacity.

OUR RECOGNITION

DISTINGUISHED CAREER AWARDS

We would like to extend a special congratulations to our retiring department members. Diverse in their contributions to patient care and child health research, these department members have role modelled lifelong advocacy for children and youth in our communities. Thank you for your remarkable contributions to the field of medicine.

Dr. Albert Akierman, Neonatology
Dr. Ron Anderson, Pediatric Oncology
Dr. Heather Graham, Pediatric Neurology
Dr. Donald Bethune, Pediatric Emergency Medicine (Supplementary)
Dr. Michele Bjornson, Pediatric Emergency Medicine
Dr. Jennifer Fisher, Developmental Pediatrics
Dr. Roger Galbraith, Pediatric Emergency Medicine
Dr. Heather Graham, Pediatric Neurology
Dr. Hardally (Kris) Hegde, Community Pediatrics
Dr. Lori Kardal, Community Pediatrics

Dr. Barbara Kellner, Community Pediatrics (Supplementary)
Dr. Victoria (Vicki) Kendrick, Community Pediatrics
Dr. Val Kirk, Pediatric Respiriology
Dr. Mireille LeMay, Pediatric Infectious Diseases
Dr. Kathleen Mitchell, Community Pediatrics
Dr. Beverley Prieur, Pediatric Neurology
Dr. Barbara (Cathy) Ross, Pediatric Critical Care
Dr. Elizabeth Shyleyko, Community Pediatrics
Dr. Douglas Strother, Pediatric Oncology
Dr. Anne Tierney, Neonatology

RESEARCH AND INNOVATION AWARDS

2020 INNOVATION AWARDS

“Pregnancy During the COVID-19 Pandemic”

Drs. Gerald Giesbrecht, Catherine Lebel, Lianne Tomfohr-Madsen, Marcel van de Wouw, Elnaz Vaghef Mehrabani, John Kim, Stephen Freedman

Primary Project Type – Research

Awarded \$24,970

“Professional Calling and Career Planning: Facilitating a Novel Process to Plan Meaningful Work Across the Career Trajectory”

Drs. Susan Kuhn, Chantelle Barnard, Lorelli Nowell, Elizabeth Oddone Paolucci

Primary Project Type – Education

Secondary Project Type – Research

Awarded \$2,915

“A Novel Method for the Prospective Evaluation of Hepatic Venous-Occlusive Disease in Patients Undergoing Hematopoietic Stem Cell Transplantation: A Pilot Study”

Drs. Simon Lam, Tony Truong, Jennifer deBruyn, Aru Narendran

Primary Project Type – Research

Secondary Project Type – Clinical

Awarded \$25,000

“Smooth Transitions – Optimizing the use of virtual health methods in the care of adolescent and young adult rheumatology patients in Southern Alberta”

Drs. Nadia Luca, Heinrike Schmeling, Nicole Johnson, Elzbieta Kaminska, Michelle Jung, Paul MacMullen, Ms. Sarah Wilkie

Primary Project Type – Clinical

Secondary Project Type – Research

Awarded \$18,920

“Getting Together for Safest Together: An Initiative to Enhance Pediatric Patient Safety by Learning from the Family Perspective and Building Engagement”

Drs. Jennifer Thull-Freedman, Kathleen Chaput, Michelle Bailey, Maria Santana, Charlotte Foulston, Ms. Consuelo Ong, Juliana Harris

Primary Project Type – Clinical

Secondary Project Type – Research

Awarded \$12,000

OUR RECOGNITION

TEACHING, INTERNAL AND EXTERNAL AWARDS

NEONATAL-PERINATAL MEDICINE FELLOWSHIP PROGRAM TEACHING AWARDS

Teacher of the Year for Bedside Clinical Teaching, 2020-2021:
Dr. Majeeda Kamaluddeen

Teacher of the Year for Academic Half-Day Teaching, 2020-2021:
Dr. Jack Rabi and Dr. Prashanth Murthy

DR. HUSAM ZAKI (SAM) DARWISH CLINICAL TEACHER OF THE YEAR AWARD

In Recognition of Excellence in Clinical Teaching
(Presented by the Alberta Children's Hospital Pediatric Residents)

Subspecialty Pediatrics: Dr. Erika Vorhies (Pediatric Cardiology)
Community Pediatrics: Dr. Ciara Chamberlain
Hospital Pediatrics: Dr. Mike Vila

CLINICAL TEACHER OF THE YEAR AWARD

Awarded to Subspecialty Fellows in Recognition for Outstanding and Dedicated Teaching to the Pediatric Residents at Alberta Children's Hospital
Dr. Christopher Novak and Dr. Simone Kortbeek

2021 DR. GEORGE PRIEUR PEDIATRIC SCHOLARSHIP AWARD

Dr. Rouzbeh Ghadiry-Tavi (General Pediatrics)

ANNUAL RESIDENTS & FELLOWS RESEARCH DAY 2021

First Place – Dr. Amanda Brett (General Pediatrics)

INTERNAL AWARDS

Dr. Carolyn Emery, Killam Annual Professorship, University of Calgary

Dr. Nicole Letourneau, Killam Annual Professorship, University of Calgary

Dr. Theresa Wu, 2021 University of Calgary UME Clinical/Adjunct/Research Award

EXTERNAL AWARDS

Canadian Academy of Health Sciences, Fellowship

Dr. Susanne Benseler
Dr. Suzanne Tough

Alberta Medical Association

Dr. Roxanne Goldade, Long-Service Award

Dr. Juliet Guichon, Medal of Honor

Dr. Sarah Hall, Long-Service Award

Dr. Ian Mitchell, Compassionate Service Award

Other:

Dr. Helen Carlson, American Heart Association, Paul Dudley White International Scholar Award at the International Stroke Conference

Dr. Bonnie Kaplan, (Emerita), Calgary Top 7 Over 70

Dr. Ian Mitchell, Canadian Pediatric Society, Alan Ross Award

Dr. Keith Yeates (Adjunct), Royal Society of Canada, Fellowship

ASSOCIATE DEAN'S LETTER OF EXCELLENCE, ACADEMIC YEAR 2020-2021, CUMMING SCHOOL OF MEDICINE

For Lecture (taught 3+ lecture sessions, received an average rating of 4.0+ (very good - outstanding) on the student feedback): Dr. Jennifer (Jenn) D'Mello, Dr. Luis Murguia Favela, Dr. Sharron Spicer, Dr. Vithya Gnanakumar

For Small Group Teaching (taught 5+ small group sessions, received an average rating of 4.2+ (very good - outstanding) on the student feedback): Dr. Man-Chiu Poon, Dr. Lee Burkholder, Dr. William (Ben) Gibbard, Dr. Gary Galante, Dr. Glenda Bendiak, Dr. Kimberley (Kim) Smyth, Dr. Gesche (Gesche) Tallen, Dr. Roger D. Galbraith, Dr. Ian Mitchell, Dr. Sharron Spicer, Dr. Vithya Gnanakumar

For Clinical Core (6+ teaching hours of clinical core sessions, received an average rating of 4.4+ (very good - outstanding) on the student feedback): Dr. Alexandra (Alix) Howlett, Dr. Amina Benlamri, Dr. Amuchou Soraisham, Dr. Adel El Sharkawy, Dr. Hussein Zein, Dr. Abhay Lodha, Dr. Amelie Stritzke, Dr. Essa Al-Awad, Dr. Harish Amin

For Clerkship Teaching (received an average rating of 4.6 (outstanding) from student feedback on 3 or more evaluations): Dr. Gordon McNeil, Dr. Marc Francis, Dr. Alexandra (Alix) Howlett, Dr. Izabela Sztukowski, Dr. Kevin Levere, Dr. Robin Clegg, Dr. Amuchou Soraisham, Dr. Anne Tierney, Dr. Christopher Waterhouse, Dr. Kyle McKenzie, Dr. Jennifer DeBruyn, Dr. Deborah Clark, Dr. Joseph Vayalumkal, Dr. Laura Davies, Dr. David Lendrum, Dr. Donald Bethune, Dr. Abhay Lodha, Dr. Harish Amin

DEDICATED SERVICE AWARD, CUMMING SCHOOL OF MEDICINE

Bronze (10+ hours of teaching): Dr. Amelie Stritzke, Dr. Christine Kennedy, Dr. Leanna McKenzie, Dr. Theresa Wu, Dr. Essa Al-Awad, Dr. Cora-Mihaela Constantinescu, Dr. Harish Amin, Dr. Naminder Sandhu, Dr. Nicole Johnson, Dr. Jean Mah, Dr. Michael Leaker, Dr. Josephine Ho, Dr. Man-Chiu Poon, Dr. Kara Murias, Dr. Jorge Pinzon, Dr. Tamara Pringsheim, Dr. Lee Burkholder, Dr. Luis Murguia Favela

Silver (20+ hours of teaching): Dr. William (Ben) Gibbard, Dr. Gary Galante, Dr. Glenda Bendiak

Gold (30+ hours of teaching): Dr. Kimberley Smyth, Dr. Gesche Tallen, Dr. Jean-Francois Lemay, Dr. Pamela Veale, Dr. Sharron Spicer, Dr. Vithya Gnanakumar

Platinum (40+ more hours of teaching): Dr. Roger Galbraith, Dr. Ian Mitchell, Dr. Andrew Wade, Dr. Julian Midgley

UNDERGRADUATE MEDICAL EDUCATION (UME) AWARDS

Jersey Award (Course 6): Dr. Theresa Wu

Pediatrics Gold Star Award (Faculty): Dr. Izabela Sztukowski

Honour Roll (Faculty): Dr. Jennifer (Jenn) D'Mello, Dr. Christopher Lever, Dr. Cora-Mihaela Constantinescu, Dr. Kim Smyth, Dr. Ian Mitchell



PEDIATRIC TRAINEES

CURRENT RESIDENTS AND FELLOWS

GENERAL PEDIATRICS

R1

Dr. Alex Corrigan
Dr. Jesse Grist
Dr. Rachel Lipp
Dr. Christine Lukac
Dr. Kehinde Omole
Dr. Sarah O'Neill
Dr. Sydney Osland
Dr. Rina Patel
Dr. Sophie Rossini
Dr. Rebecca Schmidt
Dr. Sarah Tougas
Dr. Tamara Yee

R2

Dr. Daphne Cheung
Dr. Brielle Cram
Dr. Tara Evans-Atkinson
Dr. Christian Farrier
Dr. Michelle Fric
Dr. Mackenzie Gault
Dr. Keon Ma
Dr. Chika Olijio
Dr. Lana Rothfels
Dr. Alyse Schacter
Dr. Kalya Sliskovic
Dr. John Storwick

R3

Dr. Marian Coret
Dr. Elizabeth Gonzalez Sierra
Dr. Rebecca Hay
Dr. Jenessa Kerr
Dr. Elise Martin
Dr. Paulina Podgorny
Dr. Katherine (Tusia) Pohoreski
Dr. Madison Riddell
Dr. Meagan Roy
Dr. Alexa Scarcello
Dr. Jordan Yeo
Dr. Katherine Yurkiw

R4

Dr. Abdulaziz Abul
Dr. Jazmyn Balfour-Boehm
Dr. Amanda Brett
Dr. Paige Burgess
Dr. Alexa Geddes
Dr. Dylan Ginter
Dr. Susan Knechtel
Dr. Jovana Milenkovic
Dr. Gayathri Narendran
Dr. Roxanne Pinson
Dr. Jennifer Saunders
Dr. Anna Solbak

DEVELOPMENTAL PEDIATRICS

Dr. Michelle Huie
Dr. Sarah MacEachern - Fellow

EMERGENCY MEDICINE

Dr. Katie Anker
Dr. Grazyna Burek
Dr. Nicholas Monfries
Dr. Alexandra St-Onge-St-Hilaire
Dr. Gloria Yoo

ENDOCRINOLOGY

Dr. Matthew Feldman
Dr. Samantha Gerber

GASTROENTEROLOGY

Dr. Leena Desai
Dr. Sarah Dinn
Dr. Jaclyn Straus - Fellow

HEMATOLOGY/ONCOLOGY

Dr. Mohammad AlNajjar
Dr. Kyle Canton
Dr. Jaspreet Gharial - Fellow
Dr. Mansoor Mazari - Fellow

KIDSIM PEDIATRIC SIMULATION

Dr. Donovan Duncan - Fellow
Dr. Louise Ing - Fellow
Dr. Martin Perlsteyn - Fellow

MEDICAL GENETICS & GENOMICS

Dr. Lauren Borch
Dr. Samuel Bradbroo
Dr. Molly Jackson
Dr. Eliza Phillips
Dr. Bradley Prince
Dr. Chris Smith
Dr. Tara Spence – Fellow
Dr. Amanda Tyndall – Fellow
Dr. Xiao-Ru Yang

NEONATAL/PERINATAL

Dr. Neha Bansal – Fellow
Dr. Harkirat Bhullar
Dr. Alia Embaireeg
Dr. Maria Liza Espinoza
Dr. Anirban Ghosh – Fellow
Dr. Farzana Hamid – Fellow
Dr. Chacko Justin Joseph – Fellow
Dr. Marina Journault
Dr. Adriana Reyes Loredo – Fellow
Dr. Ahmed Maarouf – Fellow
Dr. Sarfaraz Momin – Fellow
Dr. Kaspar Ng
Dr. Martin Perlsteyn
Dr. Ankur Srivastava – Fellow
Dr. Soumya Thomas – Fellow
Dr. Sujith Gurram Venkata – Fellow
Dr. Vimal Komban Vincent – Fellow

NEPHROLOGY

Dr. Areefa Alladin-Karan – Fellow
Dr. Augustina Okpere
Dr. Kayla Young
Dr. Thomas Renson – Fellow

NEUROLOGY

Dr. Stephanie Hammond
Dr. Rebecca Lindsay
Dr. Alison Marshal
Dr. Sarila Sanhan
Dr. Kirsten Sjonnesen
Dr. Ratika Srivastava – Fellow
Dr. Eroshini Swarnalingam – Fellow
Dr. Kristine Woodward – Fellow
Dr. Jordan Van Dyk

PEDIATRIC HOSPITAL MEDICINE

Dr. Lea Restivo – Fellow

PEDIATRIC RESPIROLOGY

Dr. Nikytha Antony
Dr. Susan Telencoe



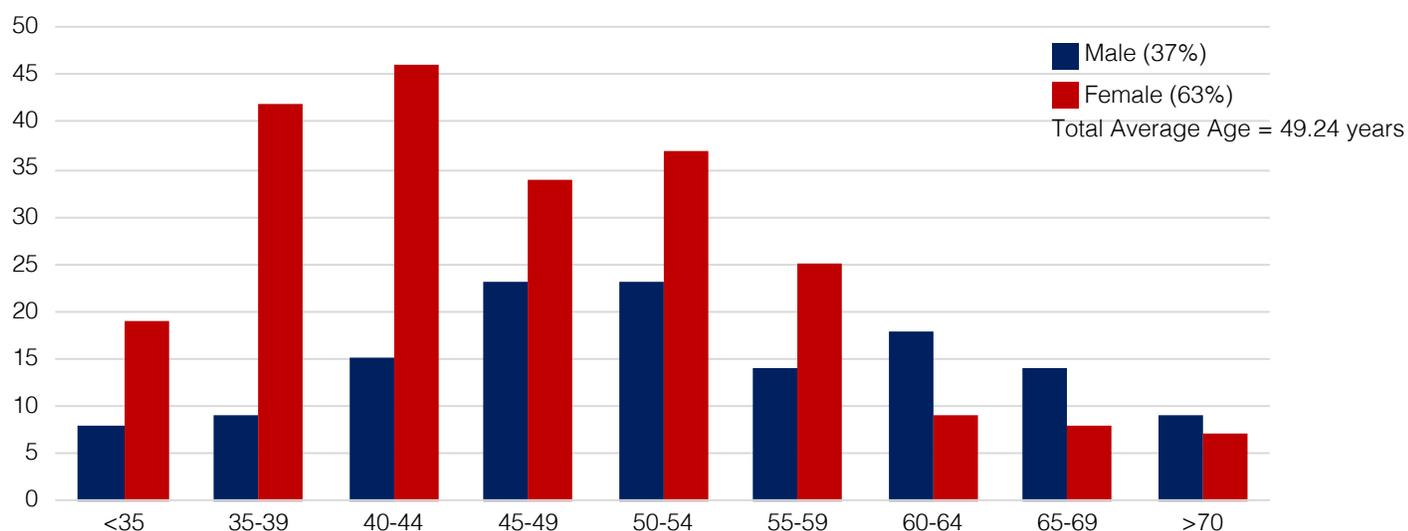
OUR DEPARTMENT

2020-2021 DEMOGRAPHICS

Department Demographics*

Number of Members by Age Groups (Years)

*Includes primary appointees only



Information based on Calendar Year: January 2021 - December 2021.

University Faculty Appointments

Academic Status	Primary Appointments (322)			Joint Appointments (62)		
	Clinical Faculty	GFT Faculty	Adjunct/Research Faculty	Clinical Faculty	GFT Faculty	Adjunct/Research Faculty
Lecturer	90	0	0	12	0	0
Assistant Professor	100	3	13	18	0	1
Associate Professor	51	25	6	12	5	0
Professor	9	22	3	7	3	4
Totals	250	50	22	49	8	5

There are 2 additional members with emeritus or honorary university appointments.

Alberta Health Services (AHS) Medical Staff Appointments

Primary AHS Pediatrics*	Supplementary AHS Pediatrics
314	53

*This number includes 26 part-time or full-time locums.

6,811

INPATIENT VISITS

ACROSS ALL SITES
(EXCLUDING MENTAL HEALTH
AND SURGICAL ADMISSIONS)

54,237

EMERGENCY DEPARTMENT VISITS

ACROSS ALL SITES
(EXCLUDING MENTAL HEALTH AND SURGICAL ADMISSIONS)

283,018

OUTPATIENT VISITS

55,537 UNIQUE PATIENTS
77,866 TELEPHONE/VIRTUAL VISITS

THIS DOES NOT INCLUDE THE THOUSANDS OF CHILDREN
SEEN BY MEMBERS OF THE DEPARTMENT WHO
ARE COMMUNITY-BASED PEDIATRICIANS

CLINICAL ACTIVITY

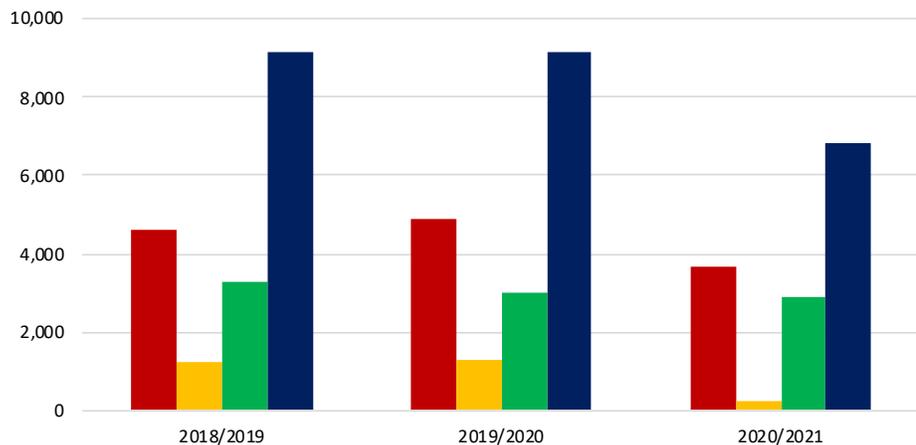
2020-2021 DATA & METRICS

ACH	Alberta Children's Hospital
FMC	Foothills Medical Centre
PLC	Peter Lougheed Centre
RGH	Rockyview General Hospital
SHC	South Health Campus

Calgary Zone Pediatric Discharges Total Discharges per Year by Site

	2018/2019	2019/2020	2020/2021
■ ACH Pediatrics*	4,588	4,871	3,680
■ PLC Pediatrics*	1,249	1,289	261
■ NICU Total (ACH, FMC, PLC, RGH, SHC)	3,295	3,004	2,870
■ Calgary Zone Total Pediatrics (ACH, PLC) and NICU (total)	9,132	9,164	6,811

*Excluding Neonatology

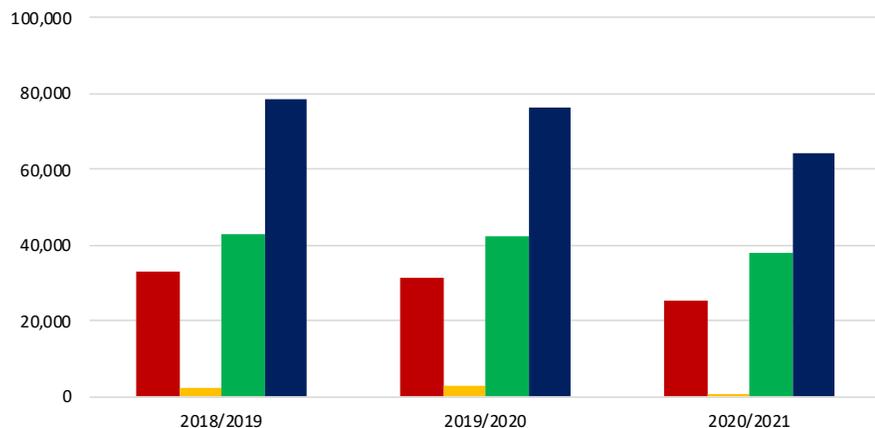


Information based on Fiscal Year: April 2020 – March 2021.

Calgary Zone Pediatric Hospital Days Total Hospital Days per Year by Site

	2018/2019	2019/2020	2020/2021
■ ACH Pediatrics*	33,335	31,236	25,585
■ PLC Pediatrics*	2,278	2,800	493
■ NICU Total (ACH, FMC, PLC, RGH, SHC)	43,122	42,573	38,005
■ Calgary Zone Total Pediatrics (ACH, PLC) and NICU (total)	78,735	76,609	64,083

*Excluding Neonatology

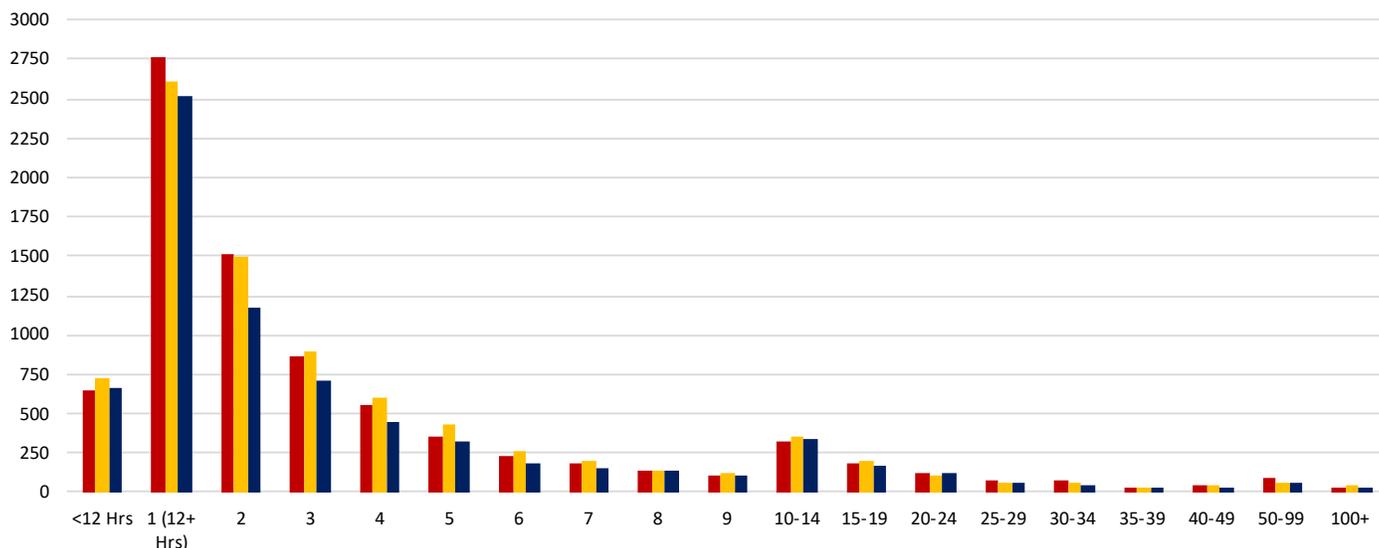


Information based on Fiscal Year: April 2020 – March 2021.

2020-2021 DATA & METRICS

Based on Fiscal Year: April 2020 – March 2021

ACH Pediatric Inpatient Length of Stay Trends Total Discharges per Year by Length of Stay (Days)



	<12 Hrs	1 (12+ Hrs)	2	3	4	5	6	7	8	9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-99	100+
2018/2019	648	2,766	1,507	862	553	350	231	186	137	99	325	187	127	79	72	24	50	94	32
2019/2020	732	2,610	1,490	888	596	426	262	204	143	119	359	206	113	55	53	34	45	60	48
2020/2021	669	2,510	1,168	708	440	320	190	152	133	107	331	164	118	63	37	26	35	57	35

Days stay is the total number of accumulated inpatient days for patient discharged (including deaths). The day of admission is counted but not the day of discharge. LOS <12 hours included pseudo admissions, and patients in and out the same day or the next calendar day.

Annual Unit Pediatric Occupancy

Fiscal Year	ACH									PLC	FMC	RGH	SHC	
	Unit 1	Unit 2	Unit 3	Unit 4	Mental Health	NICU	PICU	Surgical Short Stay	Total	Pediatrics	NICU	NICU	NICU	NICU
2018/2019	90.7%	91.5%	98.8%	96.2%	108.0%	86.9%	64.2%	53.6%	90.8%	63.9%	92.3%	92.7%	84.4%	90.0%
2019/2020	92.5%	92.0%	99.2%	97.9%	103.2%	87.2%	66.0%	53.9%	90.8%	73.9%	89.6%	90.0%	77.0%	86.0%
2020/2021	80.0%	71.60%	77.4%	79.8%	94.8%	80.4%	44.4%	38.0%	74.3%	61.5%	81.4%	82.0%	68.0%	68.0%

PLC Pediatric Unit Admissions by Admission Type

Fiscal Year	Pediatric Admits to Ped Unit (Age <18Y)	Direct Inpatient Transfer from ACH	Direct Outpatient Transfer from ACH	Admit Thru PLC ED	Other - Jaundice Diagnosis	Other - No Jaundice Diagnosis
2020/2021	256	11	53	16	153	23

2020-2021 DATA & METRICS

Based on Fiscal Year: April 2020 – March 2021

ACH Inpatient Activity by Most Responsible Physician Section

Medical Sections	2020/2021		
	Discharges	Total Days Stay	Average Length of Stay
Cardiology	66	353	5.3
Endocrinology	133	334	2.5
Gastroenterology	134	582	4.3
Intensivist	168	1,967	11.7
Neonatology	185	2,684	14.5
Nephrology	116	619	5.3
Neurology	196	642	3.3
Oncology/Hematology	426	4,704	11.0
Paediatric Medicine	2,421	16,165	6.7
Respirology	20	219	11.0
Total - Medical	3,865	28,269	7.6

ACH Frequently Encountered Discharge Diagnoses

Diagnosis	2020/2021		
	Discharges	Total Days Stay	Average Length of Stay
Neonatal Jaundice from Other/Unspecified Causes	193	250	1.3
Epilepsy	143	653	4.6
Depressive Episode	136	269	2.0
Type 1 Diabetes Mellitus	126	309	2.5
React to Severe Stress and Adjustment Disorder	89	147	1.7
Nausea and Vomiting	82	287	3.5
Other Anxiety Disorders	75	165	2.2
Other Disorders of Urinary System	72	388	5.4
Eating Disorders	63	1093	17.3
Foreign Body in Alimentary Tract	57	60	1.1
Fever of Other and Unknown Origin	52	123	2.4
Hyperkinetic Disorders	52	81	1.6
Asthma	49	125	2.6

These are some of the most frequent discharge diagnoses, excluding mental health and surgical admissions.

ACH	Alberta Children's Hospital
FMC	Foothills Medical Centre
PLC	Peter Lougheed Centre
RGH	Rockyview General Hospital
SHC	South Health Campus

2020-2021 DATA & METRICS

Based on Fiscal Year: April 2020 – March 2021

ACH Pediatric Intensive Care Unit (PICU) Activity

Fiscal Year	2020/2021
PICU Cases	627
Total Admissions/Transfers Into PICU*	647
Admissions to PICU*	285
Transfers into PICU from Units*	204
Transfers into PICU from ADOP/PACU*	158
Discharge from or Death in PICU	145
Transfers Out of PICU to Units*	490
PICU Unit LOS	2,416
Hospital LOS - PICU Cases	9,666

*Fiscal year based on hospital admission date, others based on hospital discharge date.

Patients may have more than 1 admission, transfer into PICU, and transfers out of PICU on a hospital stay.

Emergency Department (ED) Pediatric Mental Health Visits

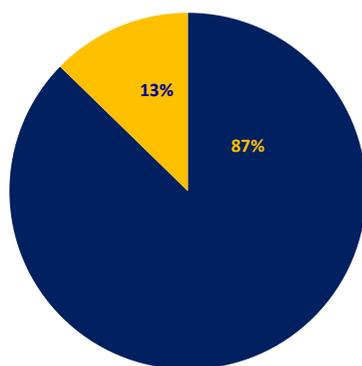
Site	Total Pediatric ED Visits	# Mental Health Visits	% Mental Health ED Visits	Mental Health Admit from ED to Same Site	Mental Health Transfer to Other Acute Care Facility	Mental Health ED Discharge/Other	Mental Health ED Left Without Being Seen
ACH	47,347	3,619	7.6	920	172	2,496	31
SHC	6,890	526	7.6	129	50	333	14
Total Other Sites (FMC, PLC, RGH)	5,490	403	7.3	124	45	225	9

Pediatric refers to patients < 18 years of age.

Mental Health defined by diagnoses codes used by Addictions and Mental Health on ED visits.

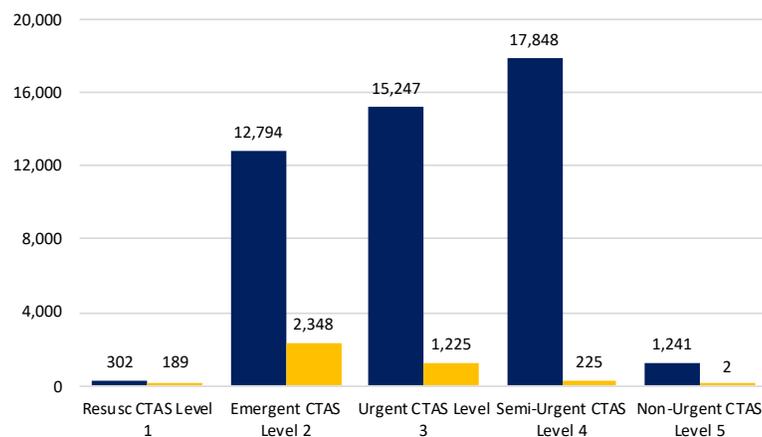
Pediatric Emergency Department (ED) Visits Total ED Visits by Site for Fiscal Year 2020/2021

- ACH 47,347
- SHC 6,890



ACH Emergency Room Visits and Admissions Total Patients by CTAS Score

- Total Emergency Room Visits by CTAS Score
- Admissions from ACH Emergency Room by CTAS Score



2020-2021 DATA & METRICS

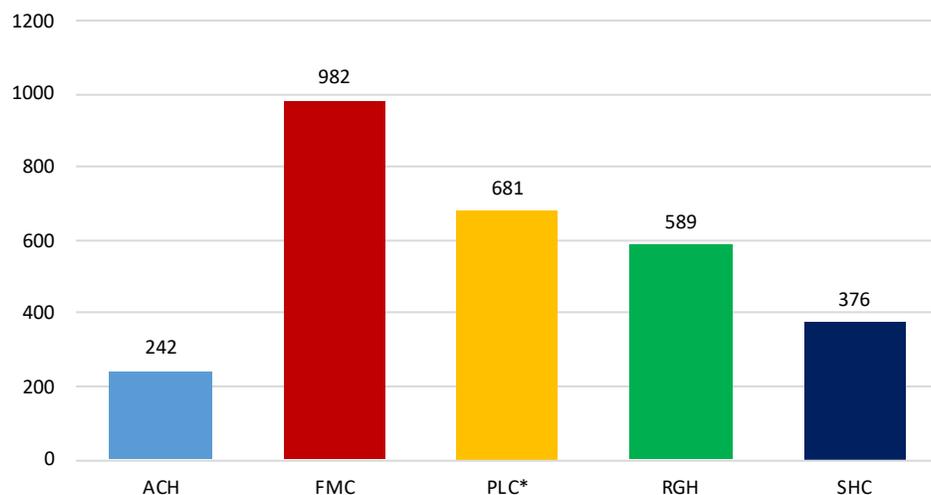
Based on Fiscal Year: April 2020 – March 2021

Neonatal Intensive Care Unit (NICU) Activity by Site

NICU Indicators	2019/2020					
	ACH	FMC	PLC*	RGH	SHC	Total
Discharges	242	982	681	589	376	2,870
Total Days Stay	5,745	12,341	8,280	7,482	4,157	38,005
Average Length of Stay (ALOS)	24	13	12	13	11	13
Intracity Transfer	31	476	57	33	32	629
Total Days in NICU Unit	3,993	11,773	7,699	7,055	3,908	34,428
Average Case Weight (ARIW)	8	4	3	3	2	3
Unique Patients	-	-	-	-	-	2,239
Average Neonatal Length of Stay per Patient (Days)	-	-	-	-	-	17

*PLC NICU Cases may be included in the PLC Pediatric unit data if patients were discharged from that unit.
 Unique Patients is the number of babies with a stay in NICU (based on ull) discharged in the fiscal year.
 Average neonatal stay for these patients includes all days stay in a Calgary hospital prior to discharge home by March 31.
 Average Case Weight for all years is based on current year values.

Calgary Zone NICU Discharges Total Discharges by Site



Information based on Fiscal Year: April 2020 – March 2021.

*PLC NICU Cases may be included in the PLC Pediatric unit data if patients were discharged from that unit.

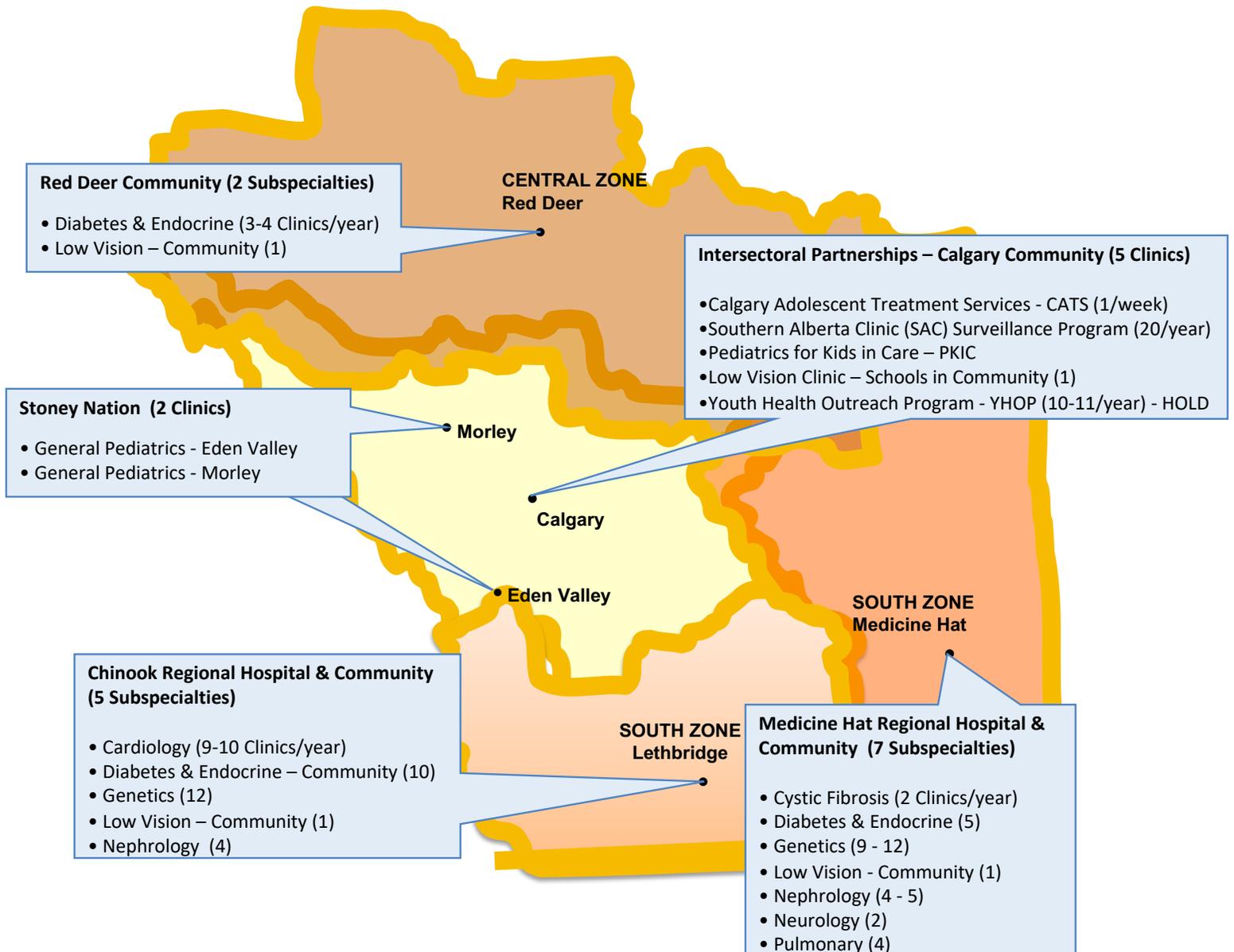


OUTREACH ACTIVITY

LOCAL COMMUNITIES AND BEYOND

Providing subspecialty services to children, youth, and families across Southern Alberta.
Over the past year, some of the clinics were done virtually.

(Image updated December 2021)





Dr. Susan Knechtel
Pediatrician

RESEARCH ACTIVITY

2020-2021 DATA & METRICS

Department/Faculty	Total Research Revenue		% Change 2019/2020 v 2020/2021
	2019/2020	2020/2021	
Pediatrics	\$12.4 M	\$13.1 M	+6%
Total Cumming School of Medicine (CSM)	\$213.8 M	\$222 M	+4%

Information based on Fiscal Year(s): April 2019 – March 2020 and April 2020 – March 2021

Department/Faculty	Total Research Revenue Per Full-time Equivalent (FTE)		% Change 2019/2020 v 2020/2021
	2019/2020	2020/2021	
Pediatrics	\$0.23 M	\$0.24 M	+4%
Average Cumming School of Medicine (CSM)	\$0.37 M	\$0.36 M	-3%

FTE from 2019-20 to 2020-21: Pediatrics decreased from 55 to 54
CSM increased from 529 to 530

Information based on Fiscal Year(s): April 2019 – March 2020 and April 2020 – March 2021

Department/Faculty	Total CIHR Research Revenue		% Change 2019/2020 v 2020/2021
	2019/2020	2020/2021	
Pediatrics	\$3.32 M	\$6 M	+81%
Total Cumming School of Medicine (CSM)	\$46.7 M	\$58 M	+24%

Information based on Fiscal Year(s): April 2019 – March 2020 and April 2020 – March 2021

Annual Publications*	
	2020
Primary appointment/FTE	296
Primary appointment/Non-FTE	154
Secondary Appointment (Non-FTE)	138
Total	483

Information based on Fiscal Year: April 2019 – March 2020

*Total unique publications: a paper co-authored by multiple Department of Pediatrics members is only counted once. The categorical data reports non-unique totals by appointment classification. From March-September 2020, research operations were either suspended or only permitted by special approval (with the exception of COVID-19 research).

Annual First/Last Author Publications†	
	2020
Primary appointment/FTE	100
Primary appointment/Non-FTE	59
Secondary Appointment (Non-FTE)	48
Total	193

Information based on Fiscal Year: April 2019 – March 2020

†Total unique publications: a paper with >1 Department member as first and/or last author is only counted once. The categorical data reports non-unique totals by appointment classification. From March-September 2020, research operations were either suspended or only permitted by special approval (with the exception of COVID-19 research).



ACKNOWLEDGEMENTS

The Department of Pediatrics gratefully acknowledges and thanks the following individuals and groups for their contributions to this report:

Project Lead

Dr. Sarah Hall, Deputy Head Professional Affairs, Department of Pediatrics

Design and Editorial Management

Mary Garcia, Communications Coordinator, Department of Pediatrics
Alison Shepherd, Communications Coordinator, Department of Pediatrics

Photography

V Strategies, Calgary, AB

Data Collection, Preparation, and Reporting

Diane Moser, Health Information Analyst, Alberta Health Services
Alberta Health Services Child Health Annual Report 2020/2021
Tina Sakon, Project Coordinator, Outreach Services, Alberta Children's Hospital

Special thanks to the Alberta Children's Hospital Foundation, Alberta Children's Hospital Research Institute, Administrative Staff and members of the Department of Pediatrics for their contributions.

We would also like to express our sincere appreciation to our patients and their families featured in this report.

