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A NEW APPROACH: TAKING OUR ANNUAL REPORT TO VIDEO

We have diversified our Annual Report in years past as a storytelling tool; a means of sharing the incredible highlights of our Department members, staff, and the patients and families who we are so fortunate to care for.

However, despite our best efforts, we found that text could never truly capture the way our Department members light up when they speak about their work and what they are passionate about. When it came to brainstorming ideas for this year’s report, we decided we wanted to try a different approach with the hope of finding a more engaging way to share these stories. In the spirit of innovation, we have taken our Annual Report in a completely new direction - video! After all, who better to share the highlights of the past year than our amazing Department members themselves?

This year, you will have the opportunity to hear from many members of our Department as they speak about their work and what inspires them. You will get to virtually ‘meet’ our Deputy Heads, Department Manager, and numerous staff and members of the Department who are leaders in their respective fields.

You will get to know the compassionate faces behind the masks, the ones who consistently greet our patients and families with optimism, warmth, and empathy. You will also see a representation of the incredible diversity in our Department - something that we are so proud of - and hear about our goals and aspirations for the year ahead.

As we began this project we quickly identified a standout theme of this year’s report: collaboration. So much of the work done by our Department members embodies collaboration, from patient and family-centred care to research, education, wellness, and beyond. We are grateful for the invaluable partnerships we have established locally, nationally, and internationally, and we will continue breaking down silos to further our goal of collaboration across pediatric disciplines.

We are especially grateful to our Department members and staff, as well as our incredible patients and their families, for their willingness and enthusiasm to try something new. We hope you feel a connection to the Department of Pediatrics through this year’s report, and that you continue to be inspired by the unwavering collaboration, resiliency, and dedication of this wonderful community. Here is to an amazing year ahead filled with hope, kindness, and continued collaboration!

With gratitude,

Dr. Antonia Stang
Associate Professor and Head,
Department of Pediatrics

CLICK HERE TO VIEW OUR 2022 ANNUAL REPORT VIDEO
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
OUR DEPARTMENT

2021-2022 ORGANIZATION AND LEADERSHIP

Dean, Cumming School of Medicine
University of Calgary
Dr. Todd Anderson

Medical Director, Calgary Zone
Alberta Health Services
Dr. Mark Avetisian

Department Head
Pediatrics
Dr. Antonia Stang

Deputy Head
Clinical & Strategic Affairs
Dr. Michael Leaker

Deputy Head
Education
Dr. Amonpreet Sandhu (Interim)

Deputy Head
Professional Affairs
Dr. Sarah Hall

Manager
Child Health Research
Nicole Romanow

Department Manager
Cecilia Lee

Administrative Assistant to
Department Head
Debbie Velsink

AMHSHP Controller
Marco Romanzin

Billing Coordinator
Tammy Bouchard

Communications Coordinator
Alison Carnochan

Financial Analyst
Vincent Bali

Manager of Administrative Services
Aprile LaBerge

Manager of Administrative Services
Jessica Phillips

Physician Affairs Coordinator
TBD

Physician Remuneration
and Contract Coordinator
Karen Rudd

Research Support Specialist
Ashton Chugh

PEDiatric section chiefs &
UNIT DIRECTORS

Adolescent Medicine – Dr. Ellie Vyver (Interim)
Cardiology – Dr. Deborah Fruitman (Interim)
Child & Family Health Research Unit – Dr. Gerald Giesbrecht
Community Pediatrics – Dr. Natalie Forbes
Child Abuse Service – Dr. Jennifer MacPherson
Social Pediatrics Unit – Dr. Jennifer MacPherson
Critical Care – Dr. Gonzalo Garcia Guerra
Pediatric Transport – Dr. Ping-Wei Chen and Dr. Eli Gilad
Developmental Pediatrics – Dr. Ben Gibbard
Emergency Medicine – Dr. Tania Principi
Endocrinology – Dr. Carol Huang
Gastroenterology – Dr. Christopher Waterhouse
Global Child Health Unit – Dr. Nalini Singhal
Hematology & Immunology/Allergy – Dr. Michael Leaker
Hospital Pediatrics – Dr. Laura Davies
Infectious Diseases – Dr. Otto Vanderkooi
Medical Genetics – Dr. Rebecca Sparkes
Neonatology/Perinatology – Dr. Prashanth Murthy
Nephrology – Dr. Anke Banks
Neurology – Dr. Colleen Curtis
Pediatric Hospital Medicine – Dr. Suzette Cooke
Respiratory Medicine – Dr. Glenda Bendik

EDUCATIONAL
PROGRAM DIRECTORS

Undergraduate Medical Education – Dr. Susan Bannister
Postgraduate Medical Education
General Pediatrics – Dr. Amelie Stritzke
Assistant Program Directors – Dr. Pamela Veale, Dr. Shirmee Doshi, and Dr. Leanne Morris
Developmental Pediatrics – Dr. Scott McLeod
Emergency Medicine – Dr. Russell Lam
Endocrinology – Dr. Rebecca Perry
Gastroenterology – Dr. Gary Galante
Hematology/Oncology/BMT – Dr. Doan Le
Infectious Diseases – Dr. Taj Jaddavji
KidSIM Pediatric Simulation – Dr. Kerri Landry
Medical Genetics – Dr. Rebecca Sparkes
Neonatology/Perinatology – Dr. Prashanth Murthy
Nephrology – Dr. Anke Banks
Neurology – Dr. Colleen Curtis
Pediatric Hospital Medicine – Dr. Suzette Cooke
Respiratory Medicine – Dr. Glenda Bendik

SITE LEADS
PEDIATRICS

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

SITE LEADS
NEONATOLOGY

Alberta Children’s Hospital – Dr. Khorsheid 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

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.
CURRENT RESIDENTS AND FELLOWS

GENERAL PEDIATRICS

R1
- Dr. Rachel Alberati
- Dr. Emily Allin
- Dr. Amy Baldwin
- Dr. Hannah Alves
- Dr. Jessica Cooper
- Dr. Erin Dalgarno
- Dr. Isabella Dube
- Dr. Emma Holfand-Burry
- Dr. Rachel Lipp
- Dr. Supriya Kolar-Liapane
- Dr. Demi Murphy
- Dr. Chidera Nwozoh
- Dr. Sebhan Wann

R2
- Dr. Daphne Cheung
- Dr. Alex Corrigan
- Dr. Christian Farrier
- Dr. Jesse Grin
- Dr. Christine Lucak
- Dr. Khirdene Onn

R3
- Dr. Braille Grant
- Dr. Tara Evans-Adkinson
- Dr. Michelle Fric
- Dr. Mackenzie Gault
- Dr. Keon Ma
- Dr. Chika Olutuyi
- Dr. Lisa O'Neill
- Dr. Sarah Prinsep
- Dr. Tamara Yee

R4
- Dr. Elizabeth Sierra Gonzalez
- Dr. Jennesa Kerr
- Dr. Elisa Martin
- Dr. Gayathri Narendran
- Dr. Paulina Podgorny
- Dr. Tina Ponomiorski
- Dr. Maldives Riddell
- Dr. Alexia Scarratt
- Dr. Jordan Yeo
- Dr. Katherine Turkiew

DEVELOPMENTAL PEDIATRICS
- Dr. Rachel Amos

EMERGENCY MEDICINE
- Dr. Gracey Banerji
- Dr. Omar Damji
- Dr. William MacDougall
- Dr. Dana Stewart
- Dr. Alex St-Onge-St-Hilaire
- Dr. Mary Tung

ENDOCRINOLOGY
- Dr. Matthew Feldman - Fellow
- Dr. Samantha Gerber

GASTROENTEROLOGY
- Dr. Leena Desai
- Dr. Sarah Orrin

HEMATOLOGY/ONCOLOGY
- Dr. Rose Carney - NeuroOncology
- Dr. Kyle Canton
- Dr. Kate Grguric

INFECTIOUS DISEASES
None currently

KIDSIM PEDIATRIC SIMULATION
None currently

MEDICAL GENETICS
- Dr. Lauren Barboza
- Dr. Samuel Bradbrook
- Dr. Faisal Choudhury
- Dr. Swati Gang - CCMG Fellow
- Dr. Molly Jackson
- Dr. Bradley Prince
- Dr. Christopher Smith
- Dr. Xiao-Ru Yang - Neurogenetics Fellow

NEONATAL/PERINATAL
- Dr. Amel Abdalkarem
- Dr. Harleen Bhullar
- Dr. Aria Emamnejad
- Dr. Lisa Espinosa
- Dr. Anna Etyehadeh
- Dr. Avirban Ghosh
- Dr. Marta Johnson
- Dr. Adina Loredo
- Dr. Matsa Almeida
- Dr. Safaraneh Momen
- Dr. Grace Musume
- Dr. Kaspar Ng
- Dr. Martin Perlsstyn
- Dr. Thomas Sproat
- Dr. Basel Thayyal
- Dr. Sujith Venkitak
- Dr. Vimal Vincent

NEUROLOGY
- Dr. Aarela Ali-Karan
- Dr. Augustine Olupere
- Dr. Kayla Young

RESEARCH IN EPILEPSY
- Dr. Raheel Al-Bahri - Epilepsy Fellow
- Dr. Stephanie Henderson
- Dr. Rebecca Lindsay
- Dr. Minnette Makela - Epilepsy Fellow
- Dr. Alison Marshall
- Dr. Sarla Sanhar
- Dr. Kim Alice
- Dr. Niiwani Byk
- Dr. Christine Woodward - Neurocritical Care Fellow

RESPIRATORY MEDICINE
- Dr. Niyatia Anton
- Dr. Susan Teneza
OUR DEPARTMENT
2021-2022 DEMOGRAPHICS

Department Demographics*
Number of Members by Age Group (Years)

*Includes primary appointees only

![Bar chart showing the number of members by age group]

- Male (37%)
- Female (63%)
- Total Average Age = 49.6 years

University Faculty Appointments

<table>
<thead>
<tr>
<th>Academic Status</th>
<th>Primary Appointment (330)</th>
<th>Joint Appointments (62)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Clinical Faculty</td>
<td>GFT Faculty</td>
</tr>
<tr>
<td>Lecturer</td>
<td>84</td>
<td>0</td>
</tr>
<tr>
<td>Assistant Professor</td>
<td>100</td>
<td>7</td>
</tr>
<tr>
<td>Associate Professor</td>
<td>59</td>
<td>22</td>
</tr>
<tr>
<td>Professor</td>
<td>11</td>
<td>24</td>
</tr>
<tr>
<td>Totals</td>
<td>254</td>
<td>53</td>
</tr>
</tbody>
</table>

There are 3 additional members with emeritus or honorary university appointments.

Alberta Health Services (AHS) Medical Staff Appointments

<table>
<thead>
<tr>
<th>Primary AHS Pediatrics*</th>
<th>Supplementary AHS Pediatrics</th>
</tr>
</thead>
<tbody>
<tr>
<td>327</td>
<td>61</td>
</tr>
</tbody>
</table>

*This number contains 30 part-time or full-time locums.
CLINICAL ACTIVITY
2021-2022 DATA AND METRICS

2021-2022 FISCAL YEAR

3,637 CRITICAL CARE VISITS
2,901 NICU ADMISSIONS
736 PICU ADMISSIONS

87,547 EMERGENCY DEPARTMENT VISITS
66,659 AT ACH
31,588 AT PLC

8,246 INPATIENT VISITS
ACROSS ALL SITES
EXCLUDING MENTAL HEALTH AND SURGICAL ADMISSIONS

282,337 OUTPATIENT VISITS
216,416 FACE-TO-FACE VISITS
65,921 OTHER (TELEPHONE/TELEHEALTH)

8,246 INPATIENT VISITS
ACROSS ALL SITES
EXCLUDING MENTAL HEALTH AND SURGICAL ADMISSIONS

2.5m CATCHMENT POPULATION
65,921 OTHER (TELEPHONE/TELEHEALTH)

2019/2020 2020/2021 2021/2022

Calgary Zone Pediatric Discharges
Total Discharges per Year by Site

<table>
<thead>
<tr>
<th>Site</th>
<th>2019/2020</th>
<th>2020/2021</th>
<th>2021/2022</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACH Pediatrics*</td>
<td>4,884</td>
<td>3,694</td>
<td>4,585</td>
</tr>
<tr>
<td>PLC Pediatrics*</td>
<td>1,221</td>
<td>261</td>
<td>760</td>
</tr>
<tr>
<td>NICU Total (ACH, FMC, PLC, RGH, SHC)</td>
<td>3,004</td>
<td>2,870</td>
<td>2,901</td>
</tr>
<tr>
<td>Calgary Zone Total Pediatrics (ACH, PLC) and NICU (total)</td>
<td>9,109</td>
<td>6,825</td>
<td>8,246</td>
</tr>
</tbody>
</table>

*Excluding Neonatology

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

<table>
<thead>
<tr>
<th>Site</th>
<th>2019/2020</th>
<th>2020/2021</th>
<th>2021/2022</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACH Pediatrics*</td>
<td>31,315</td>
<td>25,665</td>
<td>25,067</td>
</tr>
<tr>
<td>PLC Pediatrics*</td>
<td>2,331</td>
<td>493</td>
<td>1,855</td>
</tr>
<tr>
<td>NICU Total (ACH, FMC, PLC, RGH, SHC)</td>
<td>42,573</td>
<td>38,005</td>
<td>38,896</td>
</tr>
<tr>
<td>Calgary Zone Total Pediatrics (ACH, PLC) and NICU (total)</td>
<td>76,219</td>
<td>64,163</td>
<td>65,818</td>
</tr>
</tbody>
</table>

*Excluding Neonatology
**ACH Pediatric Inpatient Length of Stay Trends**

**Total Discharges per Year by Length of Stay (Days)**

<table>
<thead>
<tr>
<th>Fiscal Year</th>
<th>&lt;12</th>
<th>12+</th>
</tr>
</thead>
<tbody>
<tr>
<td>2019/2020</td>
<td>732</td>
<td>2,610</td>
</tr>
<tr>
<td>2020/2021</td>
<td>669</td>
<td>2,510</td>
</tr>
<tr>
<td>2021/2022</td>
<td>670</td>
<td>2,753</td>
</tr>
</tbody>
</table>

Days stay is the total number of accumulated inpatient days for patients 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**

<table>
<thead>
<tr>
<th>Fiscal Year</th>
<th>ACH</th>
<th>PLC</th>
<th>FMC</th>
<th>RGH</th>
<th>SHC</th>
</tr>
</thead>
<tbody>
<tr>
<td>2019/2020</td>
<td>Unit 1</td>
<td>Unit 2</td>
<td>Unit 3</td>
<td>Unit 4</td>
<td>Mental Health NICU</td>
</tr>
<tr>
<td>2020/2021</td>
<td>92.5%</td>
<td>92.0%</td>
<td>99.2%</td>
<td>97.9%</td>
<td>103.2%</td>
</tr>
<tr>
<td>2021/2022</td>
<td>80.6%</td>
<td>71.6%</td>
<td>77.4%</td>
<td>79.8%</td>
<td>94.8%</td>
</tr>
<tr>
<td>2022/2023</td>
<td>74.6%</td>
<td>83.5%</td>
<td>88.7%</td>
<td>87.4%</td>
<td>103.0%</td>
</tr>
</tbody>
</table>

**PLC Pediatric Unit Admissions by Admission Type**

<table>
<thead>
<tr>
<th>Fiscal Year</th>
<th>Pediatric Admits to Ped Unit (age &lt;18Y)</th>
<th>Direct Inpatient Transfer from ACH</th>
<th>Direct Outpatient Transfer from ACH</th>
<th>Admit Thru PLC ED</th>
<th>Other - Jaundice Diagnosis</th>
<th>Other - No Jaundice Diagnosis</th>
</tr>
</thead>
<tbody>
<tr>
<td>2021/2022</td>
<td>746</td>
<td>48</td>
<td>278</td>
<td>62</td>
<td>293</td>
<td>65</td>
</tr>
</tbody>
</table>

**ACH Inpatient Activity by Most Responsible Physician Section**

<table>
<thead>
<tr>
<th>Medical Sections</th>
<th>2021/2022</th>
<th>2020/2021</th>
<th>2019/2020</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cardiology</td>
<td>62</td>
<td>70</td>
<td>73</td>
</tr>
<tr>
<td>Endocrinology</td>
<td>142</td>
<td>157</td>
<td>166</td>
</tr>
<tr>
<td>Gastroenterology</td>
<td>144</td>
<td>160</td>
<td>169</td>
</tr>
<tr>
<td>Intensivist</td>
<td>211</td>
<td>225</td>
<td>239</td>
</tr>
<tr>
<td>Neonatology</td>
<td>191</td>
<td>206</td>
<td>217</td>
</tr>
<tr>
<td>Nephrology</td>
<td>115</td>
<td>125</td>
<td>135</td>
</tr>
<tr>
<td>Neurology</td>
<td>227</td>
<td>240</td>
<td>253</td>
</tr>
<tr>
<td>Oncology/Hematology</td>
<td>350</td>
<td>360</td>
<td>370</td>
</tr>
<tr>
<td>Pediatric Medicine</td>
<td>3,284</td>
<td>3,390</td>
<td>3,490</td>
</tr>
<tr>
<td>Respiratory</td>
<td>25</td>
<td>30</td>
<td>35</td>
</tr>
<tr>
<td>Other Medical Service</td>
<td>25</td>
<td>30</td>
<td>35</td>
</tr>
<tr>
<td>Total - Medical</td>
<td>4,776</td>
<td>4,880</td>
<td>4,980</td>
</tr>
</tbody>
</table>

**ACH Frequently Encountered Discharge Diagnoses**

<table>
<thead>
<tr>
<th>Diagnosis</th>
<th>2021/2022</th>
<th>2020/2021</th>
<th>2019/2020</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Bronchiolitis</td>
<td>276</td>
<td>327</td>
<td>333</td>
</tr>
<tr>
<td>Asthma</td>
<td>237</td>
<td>283</td>
<td>290</td>
</tr>
<tr>
<td>Epilepsy</td>
<td>219</td>
<td>262</td>
<td>265</td>
</tr>
<tr>
<td>Other Sleep Disorders</td>
<td>180</td>
<td>193</td>
<td>196</td>
</tr>
<tr>
<td>Type 1 Diabetes Mellitus</td>
<td>147</td>
<td>176</td>
<td>180</td>
</tr>
<tr>
<td>Nausea and Vomiting</td>
<td>123</td>
<td>139</td>
<td>143</td>
</tr>
<tr>
<td>Unspecified Acute Lower Respiratory Infection</td>
<td>82</td>
<td>90</td>
<td>93</td>
</tr>
<tr>
<td>Neonatal Jaundice from Other/Unspecified Causes</td>
<td>81</td>
<td>90</td>
<td>93</td>
</tr>
<tr>
<td>Abnormalities of Breathing</td>
<td>79</td>
<td>88</td>
<td>90</td>
</tr>
<tr>
<td>Convolusions, Not Elsewhere Classifed</td>
<td>73</td>
<td>75</td>
<td>78</td>
</tr>
<tr>
<td>Fever of Other and Unknown Origin</td>
<td>62</td>
<td>70</td>
<td>72</td>
</tr>
<tr>
<td>Acute Upper Respiratory Infections of Multiple and Unspecified Sites</td>
<td>55</td>
<td>60</td>
<td>65</td>
</tr>
</tbody>
</table>

These are some of the most frequent discharge diagnoses, excluding mental health and surgical admissions.
### ACH Pediatric Intensive Care Unit (PICU) Activity

<table>
<thead>
<tr>
<th>Fiscal Year</th>
<th>2021/2022</th>
</tr>
</thead>
<tbody>
<tr>
<td>PICU Cases</td>
<td>736</td>
</tr>
<tr>
<td>Total Admissions/Transfers into PICU*</td>
<td>766</td>
</tr>
<tr>
<td>Admissions to PICU*</td>
<td>413</td>
</tr>
<tr>
<td>Transfers into PICU from Units*</td>
<td>205</td>
</tr>
<tr>
<td>Transfers into PICU from ADOP/PACU*</td>
<td>148</td>
</tr>
<tr>
<td>Discharge from or Death in PICU</td>
<td>138</td>
</tr>
<tr>
<td>Transfers out of PICU to Units*</td>
<td>607</td>
</tr>
<tr>
<td>PICU Unit LOS</td>
<td>2,971</td>
</tr>
<tr>
<td>Hospital LOS - PICU Cases</td>
<td>9,504</td>
</tr>
</tbody>
</table>

*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

<table>
<thead>
<tr>
<th>Site</th>
<th>Total Ped ED Visits</th>
<th># Mental Health Visits</th>
<th>% Mental Health ED Visits</th>
<th>Mental Health Admit from ED to Same Site</th>
<th>Mental Health Transfer to Other Acute Care Facility</th>
<th>Mental Health ED Discharge/Other</th>
<th>Mental Health ED Left Without Being Seen</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACH</td>
<td>66,659</td>
<td>4,115</td>
<td>6.2%</td>
<td>1,096</td>
<td>115</td>
<td>2,803</td>
<td>81</td>
</tr>
<tr>
<td>SHC</td>
<td>11,589</td>
<td>663</td>
<td>5.7%</td>
<td>109</td>
<td>52</td>
<td>421</td>
<td>21</td>
</tr>
<tr>
<td>Total Other Sites (FMC, PLC, RGH)</td>
<td>9,299</td>
<td>531</td>
<td>5.7%</td>
<td>141</td>
<td>49</td>
<td>308</td>
<td>33</td>
</tr>
</tbody>
</table>

Pediatric Emergency Department (ED) Visits

- Pediatric Emergency Department (ED) Visits by Site for Fiscal Year 2021/2022
  - ACH: 66,659
  - SHC: 11,589

### Neonatal Intensive Care Unit (NICU) Activity by Site

<table>
<thead>
<tr>
<th>NICU Indicators</th>
<th>ACH</th>
<th>FMC</th>
<th>PLC*</th>
<th>RGH</th>
<th>SHC</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Discharges</td>
<td>234</td>
<td>979</td>
<td>649</td>
<td>602</td>
<td>457</td>
<td>2,901</td>
</tr>
<tr>
<td>Total Days Stay</td>
<td>5,372</td>
<td>12,297</td>
<td>8,489</td>
<td>7,690</td>
<td>5,048</td>
<td>38,896</td>
</tr>
<tr>
<td>Average Length of Stay (ALOS)</td>
<td>23.0</td>
<td>12.6</td>
<td>13.1</td>
<td>11.8</td>
<td>11.6</td>
<td>15.4</td>
</tr>
<tr>
<td>Intercity Transfer</td>
<td>35</td>
<td>473</td>
<td>50</td>
<td>41</td>
<td>43</td>
<td>642</td>
</tr>
<tr>
<td>Discharges in NICU Unit</td>
<td>3,848</td>
<td>11,673</td>
<td>7,826</td>
<td>7,255</td>
<td>4,732</td>
<td>35,334</td>
</tr>
<tr>
<td>Average Case Weight (ARW)</td>
<td>7.9</td>
<td>3.88</td>
<td>2.84</td>
<td>2.64</td>
<td>2.55</td>
<td>3.52</td>
</tr>
<tr>
<td>Unique Patients</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>2,246</td>
</tr>
<tr>
<td>Average Neonatal Length of Stay per Patient (Days)</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>17.3</td>
</tr>
</tbody>
</table>

*NICU 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 all 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
  - ACH: 234
  - FMC: 979
  - PLC*: 649
  - RGH: 602
  - SHC: 437

*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
3 Zones, 6 Locations, 11 Subspecialties
(Updated February 2023)
Researchers in the Department of Pediatrics have faced unprecedented challenges in the past few years when the pandemic brought clinical research at all sites - including the Alberta Children’s Hospital - to a halt. After the uncertainty of the past few years, we are so happy to report that normal research operations have since resumed in our Department.

The following data provides an illustration of how our research teams have been able to bounce back - a true testament to the collaboration and resiliency of researchers and research staff across all disciplines!

$20.1M total research funding

1,791 publications*

$5.6M total CIHR funding

*NON-UNIQUE, MAY 2021-MARCH 2022

NOTE: These metrics have been calculated by the Cumming School of Medicine’s Office of Faculty Development and Performance using different metrics than those used in previous reports. As such, year-to-year comparisons with past funding data are not available at this time.
**CARE AWARD: CLINICIAN**
**DR. KIM MYERS**

Dr. Kim Myers is a valued clinician in the Section of Pediatric Cardiology. She is a recognized expert in cardiac imaging, including fetal ultrasound, pediatric echocardiography, and cardiac MRI and CT. Dr. Myers has recently developed a collaborative multidisciplinary program for neurodevelopmental screening of children with congenital heart problems to allow for early detection and intervention. Using evidence-based medicine, she demonstrates an ongoing commitment to patients and their families, who admire her dedication to their care. She always goes above and beyond to support her colleagues and clinic staff, as well.

**CARE AWARD: ADVOCATE**
**DR. DANA DOCTOR**

Dr. Dana Doctor has been instrumental in developing the Children’s Hospital Intestinal Rehabilitation Program (CHIRP) at the Alberta Children’s Hospital. This requires a tremendous amount of time, commitment and perseverance to provide excellent care to a vulnerable patient population. She works to advocate for the intestinal rehabilitation failure population for decades, always ensuring that best practice is being adopted for her patients. She continues to strive to improve care for children with intestinal failure, collaborating with colleagues both locally and internationally.

**CARE AWARD: RESEARCHER**
**DR. ARU NARENDRAN**

Dr. Aru Narendran is a distinguished researcher. His broad-based research covers areas such as tumor genomic profiling and leukemias, and the use of oncolytic viruses against childhood cancer. He is Director of the laboratory for preclinical and drug discovery studies within POCIT (Pediatric Oncology Experimental Therapeutics Investigator/Consortium) and was appointed as the Richard E. Miller Distinguished Clinical & Translational Research in Pediatric Oncology. Dr. Narendran is a valued mentor and is extremely generous with his time, expertise and use of his laboratory for helping researchers begin new projects.

**CARE AWARD: EDUCATOR**
**DR. NICOLE JOHNSON**

As a member of the Section of Pediatric Rheumatology, Dr. Nicole Johnson has been a dedicated educator and mentor for many years. She is a respected lecturer and teacher for Undergraduate Medical Education at the Cumming School of Medicine, and has been the evaluation coordinator for pediatric clerkship for almost a decade. Dr. Johnson is a leader, locally and nationally, in the areas of Equity, Diversity and Inclusion, sitting on multiple committees at the University level and also with the Royal College of Physicians and Surgeons of Canada.

**DISTINGUISHED CAREER AWARD**
**DR. SIMON PARSONS**

Dr. Simon Parsons is a highly regarded clinician and has been a leader in developing an outstanding pediatric intensive care unit at the Alberta Children’s Hospital. His work has extended beyond critical care and has led to the development of STEP, Transport, quality improvement, guidelines, and more which help provide the best quality care for our sickest patients and their families. He is open-minded and always looks at the best available evidence to provide care. Dr. Parsons always thinks outside the box, and his perseverance and willingness to push the envelope is very admirable.

**COMMUNITY PEDIATRICIAN OF THE YEAR**
**DR. LAUREN REDGATE**

Dr. Lauren Redgate is a respected and caring Community Pediatrician, and has been an outstanding teacher since she started her practice. She has a passion for teaching and medical education. She continues to advocate for resident teaching through her role as the Outpatient Clinic Director for General Pediatrics in the community. She is the Clinical Lead for Infty Pediatrics. Dr. Redgate has brought increased capacity for pediatric care in the community. She is a fantastic team player and collaborates closely with her peers.

**LEADERSHIP AWARD**
**DR. JENNIFER D’MELLO**

Dr. Jennifer D’Mello has been an outstanding leader in the pediatric emergency department through tough times. She is compassionate, fair, and grounded. She cares deeply about making the department better for all involved while recognizing the individual efforts of others. She is a gifted communicator and problem solver who doesn’t shy away from tackling issues head on. Dr. D’Mello displays strong leadership, building consensus and leading by example. She has an effective way of bringing individuals and groups together on issues, and is a great role model for future leaders.
OUR RECOGNITION

TEACHING, RESEARCH, AND INNOVATION AWARDS

2022 DR. GEORGE PRIEUR RESIDENT AWARD:
Dr. Jovana Milenkovic
Nominees: Dr. Amanda Brett, Dr. Alexa Goddes, Dr. Dylan Ginter, Dr. Jordan Yeo, Dr. Kaitie Yurick, Dr. Paulina Podgorny, Dr. Rebecca Hay, and Dr. Tasia Pohorenski.

2022 PEDIATRIC SUBSPECIALTY RESIDENT TEACHER OF THE YEAR AWARD:
Dr. Sarah Dilor
Honour Roll: Dr. Jaqueline Gharial, Dr. Nick Monfries, Dr. Samantha Gerber, and Dr. Areliis Karan.

2022 ROTATION OF THE YEAR - ROTATION REVIEW COMMITTEE AWARD:
Pediatric Gastroenterology

2022 COMMUNITY PEDIATRICS CLINICAL TEACHER OF THE YEAR AWARD:
Dr. Bobbi Shepka
Honour Roll: Dr. Caroline Cheo, Dr. Chris Lever, Dr. Katie Soper, Dr. Syeda Abbas, Dr. Ernst Hoppenbrouwers, Dr. Jody Patrick, Dr. Neil Cooper, and Dr. Sonia Menard.

2022 PEDIATRIC HOSPITAL MEDICINE CLINICAL TEACHER OF THE YEAR AWARD:
Dr. Chris Andrews
Honour Roll: Dr. Candace Rydgen, Dr. Chris Novak, Dr. Deanna Cook, Dr. Renee Jackson, Dr. Sangeeta Jain, Dr. Tammois Dewar, and Dr. Lindsay Stockdale.

2022 ACADMIC HALF DAY HONOUR ROLL AWARDS:
Dr. Fiona Stewart - Pro Skills
Dr. Chris Novak and Dr. Raman Chawla - Bootcamp
Dr. Serena Orr - Headaches
Dr. Gary Galante - Pancreatitis
Dr. Erika Vorhies - Fetal Circulation
Dr. Steven Martin - Hepatomegaly Approach to Enzymes
Dr. Carmel Bouma, Dr. Donovan Duncan and Dr. Shimeen Dasho - PALS Scenarios
Dr. Paul Doughly - Burns
Dr. Mel Willman - Intro to POCUS
Dr. Theresa Wu - CTU Cases
Dr. Mala Arasu - Communication Workshop
Dr. Robyn Bune - Arrest, Drowning and Shock

2022 SUBSPECIALTY PEDIATRICS CLINICAL TEACHER OF THE YEAR AWARD:
Dr. Gary Galante
Honour Roll: Dr. David Patterson, Dr. Andrew Wade, Dr. Doan Lu, Dr. Jaime Blackwood, Dr. Anke Banks, Dr. Adelieyo Adeleye, Dr. Mary Frau, Dr. Mel Willman, Dr. Russ Lam, Dr. Serena Orr, and Dr. Taj Jadavji.

2022 PEDIATRIC MENTOR OF THE YEAR AWARD:
Dr. Naminder Sandhu and Dr. Theresa Wu

ANNUAL RESIDENTS & FELLOWS RESEARCH DAY 2022 WINNERS:
Dr. Amy Bobyn, Dr. Madeline Wilson-Clark, Dr. Chidere Nwachukwu, Dr. Thomas Sprout, Dr. Rachel Lipp, Dr. Hannah Byles, Dr. Kieron Mc, and Dr. Rebecca Schmidt
Oral Presentation Winner: Dr. Jordan Yeo
Runner-Up: Dr. Madison Riddell

2022 INNOVATION AWARDS
Dr. Marsha Vasserman, Kim Myers, Adam McCrimmon and Ms. Norma Becker,
“SKILLED PEERS – Social sKILLs intervention in congenital hEart Disease through PEERS (Program for the Education and Enrichment of Relational Skills)”
Project theme – Research
Awarded $9,986

Dr. Marsha Vasserman, Stephanie Drighon, Kim Myers and Ms. Norma Becker,
“Parent Education on Neurodevelopment in congenital heart Disease workshop – Parent NEEDS workshop”
Project theme – Clinical Improvement
Awarded $5,920

Drs. Khorshid Mohammad and Maria Lisa Espinoza,
“Creation of a new Clinical Pathway and Care Model for complex care babies in the Alberta Children’s Hospital Neonatal Intensive Care Unit”
Project theme – Clinical Improvement
Awarded $2,525

Dr. Joseph Vaylumkal and Ms. Courtney MacDonald,
“Hygiene – An interactive approach to hand hygiene”
Project theme – Clinical Improvement
Awarded $9,990 + $500 as Audience Choice winner

Dr. Michelle Bailey,
“Optimizing the Tertiary-Regional Collaborative Inpatient Mental Health Care of Patients from the Medicine Hat Regional Hospital Catchment Area using the Telehealth Rounding and Consultation for Kids (TRaC-K) Model”
Project theme – Clinical Improvement
Awarded $9,990 + $500 as Audience Choice winner

Dr. Joseph Vaylumkal and Ms. Courtney MacDonald,
“Hygiene – An interactive approach to hand hygiene”
Project theme – Clinical Improvement
Awarded $9,990 + $500 as Audience Choice winner

Dr. Michelle Bailey,
“Optimizing the Tertiary-Regional Collaborative Inpatient Mental Health Care of Patients from the Medicine Hat Regional Hospital Catchment Area using the Telehealth Rounding and Consultation for Kids (TRaC-K) Model”
Project theme – Clinical Improvement
Awarded $9,990 + $500 as Audience Choice winner

Laurie Lee,
“Comfort Holding in Critically Ill Kids (CHiCKs): A novel intervention to prevent and manage PICU associated pain, agitation and delirium”
Project theme – Clinical Improvement
Awarded $9,280 + $500 as Audience Choice winner

2022 SUBSPECIALTY PEDIATRICS CLINICAL TEACHER OF THE YEAR AWARD:
Dr. Gary Galante
Honour Roll: Dr. David Patterson, Dr. Andrew Wade, Dr. Doan Lu, Dr. Jaime Blackwood, Dr. Anke Banks, Dr. Adelieyo Adeleye, Dr. Mary Frau, Dr. Mel Willman, Dr. Russ Lam, Dr. Serena Orr, and Dr. Taj Jadavji.

2022 PEDIATRIC MENTOR OF THE YEAR AWARD:
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ANNUAL RESIDENTS & FELLOWS RESEARCH DAY 2022 WINNERS:
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Oral Presentation Winner: Dr. Jordan Yeo
Runner-Up: Dr. Madison Riddell
ACKNOWLEDGEMENTS

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

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

Project Manager
Design, Editorial Management, and Videography
Alison Carnochan, Communications Coordinator, Department of Pediatrics

Photography
V Strategies Inc., Calgary AB

Data Collection, Preparation, and Reporting
Nicole Romanow, Claire Trojan and Mona Bechervaise, Department of Pediatrics
Ji Guo, Data Specialist, Cumming School of Medicine
Cherie Goddu, Health Information Analyst, Alberta Health Services

Alberta Health Services Child Health Annual Report 2021/2022
Alberta Children’s Hospital Emergency Department Annual Report 2021/2022
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.