

SETTING
THE STAGE

CHILDREN'S MEDICAL SERVICES

MARCH 2023
(2020/21 Data)

childhealthbc.ca

**CHILD
HEALTH^{Bc}**
LEAD BENEFACTOR
saveonfoods

Children's Medical Services: Setting the Stage for Tiers Development

Contents

1.0	Providers of Children's Medical Services	1
2.0	Utilization of Medical Services by Children	3
2.1	Inpatient and Day Care Visits.....	3
2.1.1	Major Clinical Category (MCC) Groupings	3
2.2.2	Most Responsible Physician (MRP) Groupings	4
2.2.3	Ages of Children.....	5
2.2.4	Involvement of Specialists/Subspecialists	6
2.2.5	HA of Treating Hospital versus Location of Child's Home Residence	8
3.0	References	8
	Appendix 1: ED and Med/Surg Visits and Days by Facility.....	9
	Appendix 2: Map of Pediatric Medical Discharges in BC	12
	Appendix 3: HA Operated & Contracted Child & Youth Inpatient Beds in BC.....	13

HOW TO CITE THE CHILDREN'S MEDICAL SERVICES:

We encourage you to share these documents with others and we welcome their use as a reference. Please cite each document in the module in keeping with the citation on the table of contents of each of the three documents. If referencing the full module, please cite as:

Child Health BC. *Children's Medical Services*. Vancouver, BC: Child Health BC, April 2021.

Children's Medical Services: Setting the Stage for Tiers Development

The Children's Medical Tiers of Service module is made up of three components:

- **Setting the Stage** for Tiers Development: Summarizes the data and literature used to create the module (*this document*).
- **Tiers in Brief** to Support System Planning: Provides a high-level overview of key aspects of the module.
- **Tiers in Full** to Support Operational Planning: Provides a detailed description of the responsibilities and requirements at each tier.

1.0 Providers of Children's Medical Services

Children's medical services are provided by family physicians (FPs), nurse practitioners (NPs), pediatricians and pediatric medical subspecialists, in partnership with nurses, allied health and other members of the health care team.

FPs/NPs

There are an estimated 7,118 family medicine physicians in BC (2021).¹ This figure includes active physicians in clinical and non-clinical practice (e.g., research and academia).

There are an estimated 648 NPs, 629 (97%) of whom are currently employed in their profession (2021).² This represents a 20% increase over the previous year. Of the NPs:

- 9% (59/629) work in rural/remote settings.²
- 54% (338/629) work in community health, 22% (139/629) work in hospitals, 2% (10/629) work in long-term care and 22% (142/629) work in "other" settings or did not report their place of employment.²

Pediatricians

There are an estimated 405 pediatricians in BC (2021).¹ This figure includes active physicians in clinical and non-clinical practice (e.g., research and academia). It excludes physicians registered in pediatric subspecialty practice (e.g., pediatric cardiology, pediatric gastroenterology).

Pediatric Medicine Subspecialists

Pediatric medicine subspecialists are trained as pediatricians and then undertake additional training in a specific field to become a pediatric subspecialist. See Table 2 for information about the numbers, types and distribution of pediatric subspecialists practicing in BC.

Table 1: BC Pediatric Medicine Subspecialists

Pediatric Subspecialists	BCCH	IH	FH	VCH	Is H	NH
Adolescent Medicine	5			1+1*		
Allergy & Immunology	6	1	1	5+1*	2+1*	
Biochemical Diseases	4					
Cardiology	7			1*	2*	
Critical Care	9				4	
Dermatology	5			2+1*		
Developmental Pediatrics	16		1 (FH & VCH)	1 (FH & VCH)	3	
Emergency Medicine	19		2+3*	1*	2	
Endocrinology & Metabolism	7	1	1+4*	3* (2, VCH & Is H)	2* (VCH & Is H)	
Gastroenterology	9			2		
Infectious Diseases	8	1				
Nephrology	5	1*	1* (FH & VCH)	1* (FH & VCH)	1*	
Neurology	12		2	1+1*	1	
Oncology / Hematology	15		3*		1	
Respirology	6	1			1	
Rheumatology	6	1	1* (FH & VCH)	2* (1, FH & VCH)	1	
Total	139	6	19 (3 FH & VCH)	24 (3 FH/VCH, 2 VCH/Is H)	21 (2 VCH/Is H)	0

* Also included in the BC Children's Hospital column (privileges at BCCH).

Notes:

1. Numbers represent number of physicians, not number of full-time equivalents (FTEs).

Sources:

1. BC Children's data: BC Children's Credentialing Office, 2022 (Active Members only).
2. Pediatric medicine specialists elsewhere in BC: CHBC Coordinators worked with HA representatives to identify. The numbers are approximate and current as of September 2022.

2.0 Utilization of Medical Services by Children

Section 2.1 provides high-level data on inpatient and day care utilization by children in BC. Unfortunately, no comparable provincial-level data exists for hospital outpatient or community-based services.

2.1 Inpatient and Day Care Visits

Data is for 2020/21 and children ages 0 - 16.9 years. Figures exclude NICU babies unless specified (PICU babies are included).

In 2020/21, 27,233 visits (75 per day, excluding NICU visits) were made by children to a BC hospital for medical/surgical reasons (36% or 9,726 medical visits and 64% or 17,507 surgical visits). Of these, 12,928 (35 per day or 47% of total visits) were inpatient visits (67% medical and 33% surgical visits).

Highlights of the data are provided in the next section. Detailed data and a visual representation (map) are available in Appendices 1 and 2.

2.1.1 Major Clinical Category (MCC) Groupings

Of the 9,726 medical visits, the primary reason for the visits was for:

- Newborns & Neonates with Conditions Originating in Perinatal Period (17%): Jaundice was the most common reason.
- Diseases & Disorders of the Nervous System (10%): Seizure Disorder was the most common reason.
- Diseases & Disorders of the Digestive System (9%): Symptom/Sign of Digestive System Disorder was the most common reason, followed by Non-severe Enteritis, and Other Gastrointestinal Disorder.

Table 2: Visits by Major Clinical Category (MCC), Children Ages 0 - 16.9 Yrs, CIHI, 2020/21

Major Clinical Category	Visits		Major Clinical Category	Visits	
	#	%		#	%
Newborns & Neonates with Conditions Originating in Perinatal Period	1,675	17%	Diseases & Disorders of the MS System & Connective Tissue	219	2%
Diseases & Disorders of the Nervous System	987	10%	Diseases & Disorders of the Skin, Subcutaneous Tissue & Breast	200	2%
Diseases & Disorders of the Digestive System	833	9%	Diseases & Disorders of the Hepatobiliary System & Pancreas	82	1%
Trauma, Injury, Poisoning & Toxic Effects of Drugs	815	8%	Diseases & Disorders of the Eye	61	1%
Diseases & Disorders of Blood & Lymphatic System	697	7%	Burns	22	0%
Diseases & Disorders of the Endocrine System, Nutrition & Metabolism	643	7%	Diseases & Disorders of the Female Reproductive System	20	0%
Diseases & Disorders of the Kidney, Urinary Tract & Male Reproductive System	570	6%	Miscellaneous CMG & Ungroupable Data	20	0%

Major Clinical Category	Visits	
	#	%
Diseases & Disorders of the Resp System	553	6%
Multisystemic or Unspecified Site Infections	422	4%
Diseases & Disorders of Ear, Nose, Mouth & Throat	292	3%
Other Reasons for Hospitalization	272	3%
Diseases & Disorders of the Circulatory System	239	2%

Major Clinical Category	Visits	
	#	%
Mental Diseases & Disorders	4	0%
Pregnancy & Childbirth	1	0%
Blank (not identified)	1,099	11%
Grand Total	9,726	100%

2.2.2 Most Responsible Physician (MRP) Groupings

Visits in this section are grouped by Most Responsible Physician (MRP). Please exercise caution in reviewing the visits for an individual service because they may be under or overstated for 2 reasons:

1. MRP reflects the service of the physician that provided the "majority of care" during a child's stay. The MRP is identified through a post-discharge review of the health record (e.g., physician that wrote the most orders, made the most progress notes, wrote the discharge order, etc). Depending on the proportion of care provided by a given physician service and the child's length of stay, visits may be over or understated for a particular service. This is particularly significant for a service such as critical care medicine where the majority of children are transferred to other physician services after transferring out of PICU (thus the visit is attributed to the other physician service). In reality, there were 1,125 visits to PICU/ICU in 2020/21 (710 medicine and 415 surgical visits). This is significantly higher than the 162 critical care medicine visits identified when the visits are grouped by the MRP (see Table 4).
2. Many children are admitted under a family physician/pediatrician, but their care is directed or guided by subspecialists. These visits would be attributed to family physicians/pediatricians and not the subspecialist(s).

Of the 9,726 medical visits, 72% had a pediatrician or GP as their MRP (64% and 8% respectively), 8% had a gastroenterologist, and 6% had a hematologist/oncologist. Of the total visits, 8,627 (89%) visits were inpatients and 1,099 (11%) were day care patients.

Table 3: Visits (Inpatient + Day Care) by MRP, Children Ages 0 - 16.9 Yrs, CIHI, 2020/21

Most Responsible MD	Visits	
	#	%
General Pediatrics	6,185	64%
Family Practice/General Practice	819	8%
Gastroenterology	777	8%
Hematology/Oncology	630	6%
Neurology	521	5%
Cardiology	262	3%
Critical Care Medicine	162	2%
Nephrology	110	1%

Most Responsible MD	Visits	
	#	%
Dermatology	98	1%
Endocrinology and Metabolism	64	1%
Respirology	49	1%
Internal Medicine	29	0%
Neonatal-Perinatal Medicine	15	0%
Rheumatology	3	0%
Adolescent Medicine	2	0%
Grand Total	9,726	100%

Note: MRP may be a pediatric or adult specialist (e.g., for "neurology visits," a pediatric or an adult neurologist may be the MRP).

42% of total admissions were to C&W while 58% were to hospitals in regional HAs. See Table 4.

Table 4: Visits (Inpatient + Day Care) by MRP & HA of Treating Hospital, Children Ages 0 - 16.9 Yrs, CIHI, 2020/21

Most Responsible MD	HA of Treating Hospital							Total, Incl C&W	% Visits
	IHA	FHA	VCHA	VIHA	NHA	Total, excl C&W	C&W		
General Pediatrics	865	1,963	465	1,122	374	4,789	1,396	6,185	64%
Family Practice/General Practice	222	49	76	155	272	774	45	819	8%
Gastroenterology	5	4	8	4		21	756	777	8%
Hematology/Oncology		1				1	629	630	6%
Neurology	2		1			3	518	521	5%
Cardiology			3			3	259	262	3%
Critical Care Medicine	4	2	2	2		10	152	162	2%
Nephrology						0	110	110	1%
Dermatology						0	98	98	1%
Endocrinology and Metabolism						0	64	64	1%
Respirology		1				1	48	49	1%
Internal Medicine	16		5	1	7	29		29	0%
Neonatal-Perinatal Medicine		15				15		15	0%
Rheumatology						0	3	3	0%
Adolescent Medicine						0	2	2	0%
Grand Total	1,114	2,035	560	1,284	653	5,646	4,080	9,726	100%
% Total Visits	11%	21%	6%	13%	7%	58%	42%	100%	

Note: The MRP may be a pediatric or an adult specialist (e.g., for "neurology visits," a pediatric or an adult neurologist may be the MRP).

2.2.3 Ages of Children

Of the 9,726 medical visits, the highest percentage relative to the population was in children under two years old. See Table 5.

Table 5: Visits (Inpatient + Day Care) by MRP & Age of Child, Children Ages 0 - 16.9 Yrs, CIHI, 2020/21

Most Responsible MD	Age				Grand Total
	< 6 months	6 months to 1.99 years	2.0 - 13.99 years	14.0 - 16.99 years	
General Pediatrics	2,178	915	2,330	762	6,185
Family Practice/General Practice	284	32	285	218	819
Gastroenterology	6	26	500	245	777
Hematology/Oncology	13	46	456	115	630
Neurology	35	62	308	116	521
Cardiology	66	33	118	45	262
Critical Care Medicine	46	29	66	21	162
Nephrology	5	8	71	26	110
Dermatology	1	14	77	6	98
Endocrinology and Metabolism	4	12	36	12	64
Respirology	3	7	32	7	49
Internal Medicine	2		3	24	29

Most Responsible MD	Age				Grand Total
	< 6 months	6 months to 1.99 years	2.0 - 13.99 years	14.0 - 16.99 years	
Neonatal-Perinatal Medicine	7	2	6		15
Rheumatology			3		3
Adolescent Medicine			2		2
Grand Total	2,650	1,186	4,293	1,597	9,726
% Total Visits	27%	12%	44%	16%	100%
Population, 0 - 16.9 Yrs (est. 2020)	89,493		583,609	149,886	820,398
% Pop'n, 0 - 16.9 Yrs	11%		71%	18%	100%

Note: The MRP may be a pediatric or an adult specialist (e.g., for "neurology visits," a pediatric or an adult neurologist may be the MRP).

2.2.4 Involvement of Specialists/Subspecialists

Specialists/Subspecialists as Most Responsible Physician (MRP) - Inpatients

This section provides data on inpatient visits in which a specialist/subspecialist was the MRP. For the reasons cited in the previous section, visits for pediatrics and family practice will be overstated and visits for subspecialists will be understated.

Of the 9,726 medical visits, 8,627 were inpatient visits (excludes babies in NICU). Of those inpatients, 79% had a pediatrician or family physician as the MRP. See Table 6.

Table 6: Inpatient Visits by MRP & Age of Child, Children Ages 0 - 16.9 Yrs, CIHI, 2020/21

Most Responsible MD	< 6 months	6 months to 1.99 years	2.0 - 13.99 years	14.0 - 16.99 years	Grand Total	C&W (incl in total)
Inpatients						
General Pediatrics	2178	914	2310	745	6,147	1,391
Family Practice/General Practice	283	29	189	188	689	45
Hematology/Oncology	13	46	453	114	626	625
Neurology	35	56	274	116	481	478
Gastroenterology	6	15	108	37	166	164
Critical Care Medicine	46	29	64	21	160	152
Cardiology	55	14	53	8	130	130
Nephrology	5	8	71	26	110	110
Endocrinology and Metabolism	4	12	36	12	64	64
Respirology	3	2	15	3	23	23
Neonatal-Perinatal Medicine	7	2	6		15	
Internal Medicine	2			9	11	
Rheumatology			3		3	3
Adolescent Medicine			2		2	2
Inpatients, total	2,637	1,127	3,584	1,279	8,627	3,187
Day care, total	13	59	709	318	1,099	893
Grand Total	2,650	1,186	4,293		9,726	4,080

Medical Specialist/Subspecialist as a Consultant, not MRP - Inpatients

Because of data access issues, this section and accompanying table refers to 2018/19 data.

This section provides data about the involvement of specialists/subspecialists as the consulting physician (but not the MRP). Because a significant proportion of the consulting workload for subspecialists involves the NICU, consultations on babies in NICU were included in this data.

- Of the 34,459 medical and surgical visits (includes NICU visits), 20,138 were inpatients (includes NICU visits).
- Of the 20,138 inpatients, children received a total of 5,318 consultations: 4,478 consultations from medical program physicians, 2,692 from surgical program physicians and 351 from psychiatrists.
- Of the consultations by medical program physicians (n=4,478):
 - 46% (2,051) were consultations by pediatricians, family physicians, critical care medicine and neonatology/perinatology specialists.
 - 60% (2,685) were on children at C&W.
 - 54% (2,427) were consultations by a range of other medical specialists/subspecialists.
 - Most were on children at C&W (2,211/2,427) or 91%.
 - Of the 216 (9%) completed on children outside C&W:
 - 79% (171/216) were at Surrey Memorial (n=91), Royal Columbian (n=42), and Victoria General (n=38) Hospitals.
 - 23% (50/216) were consultations on children ages 14.0 - 16.9 years.
- See Table 7.

Table 7: Inpatient Consultations by Specialist/Subspecialist, Children Ages 0 - 16.9 Yrs, CIHI, 2018/19

Consulting MD	Age			Total	C&W (incl in total)
	< 2 years	2.0 - 13.99 years	14.0 - 16.99 years		
General Pediatrics	1,392	68	311	1,771	386
Family Practice/General Practice	55	27	41	123	1
Neonatal-Perinatal Medicine	73	3	1	77	8
Critical Care Medicine	36	10	34	80	79
Sub-total	1,556	108	387	2,051	474
Adolescent Medicine	0	19	4	23	23
Cardiology	525	47	145	717	607
Clinical Immunology & Allergy	18	10	18	46	46
Dermatology	29	15	35	79	76
Endocrinology & Metabolism	85	27	61	173	168
Hematology/Oncology	69	17	65	151	149
Infectious Diseases	86	63	183	332	319
Internal Medicine	2	24	7	33	0
Medical Genetics	134		13	147	125
Nephrology	59	18	58	135	135
Neurology	200	32	102	334	317
Pathology	2			2	2
Physical Medicine & Rehabilitation	0	3	3	6	0

Consulting MD	Age			Total	C&W (incl in total)
	< 2 years	2.0 - 13.99 years	14.0 - 16.99 years		
Respirology	71	25	89	185	180
Rheumatology	7	21	36	64	64
Sub-total	1,287	321	819	2,427	2,211
Grand Total	2,843	429	1,206	4,478	2,685

2.2.5 HA of Treating Hospital versus Location of Child's Home Residence

Of the 9,726 medical visits:

- 42% (4,080) were to C&W and 21% to hospitals in FH (2,035).
- 70% of children accessed services in a hospital in their home HA. This ranged from 51% of children living in FH to 99% living in VCH.
- See Table 8.

Table 8: HA of Treating Hospital versus Location of Child's Home Residence (CIHI, 2020/21)

	Medical Visits (Inpatient & Day Care)								
	Child's Home Residence					Total Visits, excl Other	Other	Grand Total	% Prov Visits
	IHA	FHA	VCHA	Isld HA	NHA				
Interior	1,072	17	3	3	6	1,101	13	1,114	11%
Fraser	4	2,008	14	3	1	2,030	5	2,035	21%
Vancouver Coastal	5	80	463	3	1	552	8	560	6%
Vancouver Island	1	8	6	1,245	1	1,261	23	1,284	13%
Northern	1		1	1	644	647	6	653	7%
PHSA (C&W)	369	1,848	1,314	293	212	4,036	44	4,080	42%
Total Medical Visits	1,452	3,961	1,801	1,548	865	9,627	99	9,726	100%
% Treated in Home HA	74%	51%	99%	80%	74%	70%			
% Medical Visits	15%	41%	19%	16%	9%	99%			
Pop'n 0 - 16.9 yrs	123,865	346,341	165,754	125,357	59,081	820,398			
% Pop'n 0 - 16.9 yrs	15%	42%	20%	15%	7%	100%			

Note:

For the purposes of this table, children from VCH that were admitted to either a VCH hospital or BCCCH were assumed to have received the service in their home HA.

3.0 References

1. Canadian Institute for Health Information. Supply, Distribution and Migration of Physicians in Canada, 2021 – Data Tables, Ottawa, ON: CIHI; 2022. <https://secure.cihi.ca/estore/productSeries.htm?pc=PCC34>. Accessed Feb 17, 2022.
2. Canadian Institute of Health Information. Nursing in Canada, 2021 – Data Tables. Ottawa, ON: CIHI; 2022. <https://secure.cihi.ca/estore/productSeries.htm?pc=PCC449>. Accessed Feb 17, 2023

Appendix 1: ED and Med/Surg Visits and Days by Facility

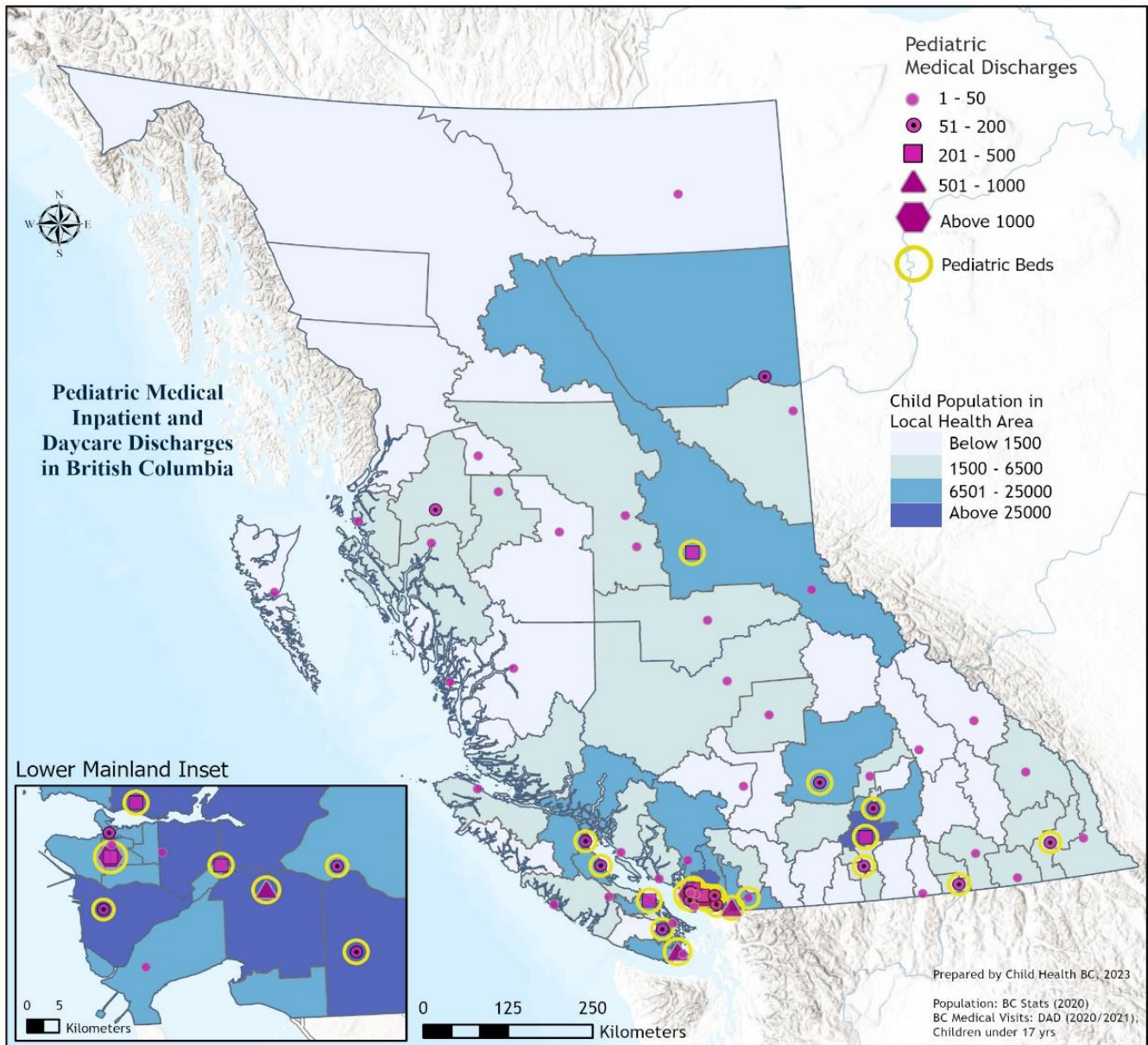
- Includes children ages 0 - 16.9 years.
- Surgical procedures: Procedures performed on children by a surgeon regardless of most responsible physician (MRP). Includes children in NICUs, PICUs, med/surg units and in day care settings.
- Med/surg visits and days: Visits and days sorted by MRP. Includes children in PICUs, med/surg unit & day care settings (excludes children in NICUs).
- Day care visits = Surgical or medical day care visits in which an anesthetic was provided.
- Medical and surgical data is for fiscal year 2020/21. Source is the BC MoH Discharge Abstract Database.
- Emergency Department (ED) visits: Based on 2020/21 National Ambulatory Care Reporting System (NACRS) data for children ages 0-16.9 for sites that submit to NACRS. Where NACRS data was not available, visits were calculated as 11% x total ED visits. 2020/21 MIS data was used for total ED visits. *Note the proportion of total ED patients who were children was significantly lower in 2020/21 than previous years, when the proportion was approximately 15%.*

HA/HSDA	Treating Hosp	ED Visits	Surgery							Medical				Med/Surg		Gen Ped Beds
			Day Care Procs	Inpt Procs	Total Procs	Day Care Visits	Inpt Visits	Total Visits	Total Days	Day Care Visits	Inpt Visits	Total Visits	Total Days	Total Visits	Total Days	
Interior HA																
East Kootenay	Creston Valley Hosp	1,332	27		27	27		27		5	10	15	13	42	13	
	East Kootenay Regional Hosp	2,138	224	47	271	224	49	273	95		51	51	135	324	230	2
	Elk Valley Hosp	1,091	90		90	90		90		8	18	26	21	116	21	
	Elkford Htlh Ctre	70														
	Golden and District Hosp	916	39	1	40	39	1	40	1	1	9	10	10	50	11	
	Invermere and District Hosp	1,099									4	4	6	4	6	
	Sparwood Htlh Ctre	385														
Kootenay Boundary	Arrow Lakes Hosp	424														
	Boundary Hosp	1109									3	3	8	3	8	
	Castlegar and Dist Community Htlh Ctre	871														
	Castlegar UPCC	481														
	Edgewood Htlh Ctre	184														
	Kootenay Boundary Reg Hosp	1484	119	37	156	119	27	146	60	1	116	117	295	263	355	4
	Kootenay Lake Hosp	1347	131	1	132	131	2	133	2	3	22	25	39	158	41	
	Slocan Community Htlh Ctre	239														
Okanagan	Victorian Comm'ty Htlh Ctre of Kaslo	164														
	Kelowna General Hosp	6,497	440	145	585	434	143	577	261	5	310	315	755	892	1016	10
	Orchard Medical UPCC	4,037														
	Penticton Regional Hosp	3,678	56	31	87	54	35	89	50	1	102	103	199	192	249	4
	Princeton General Hosp	583														
	South Okanagan Gen Hosp	1,492														
	South Similkameen Htlh Ctre	318														
	Summerland Mem Htlh Ctre		519		519	520		520						520		
	Vernon Jubilee Hosp	4,889	95	123	218	94	124	218	162	12	137	149	350	367	512	5
Thompson Cariboo Shuswap	Vernon UPCC	2,392														
	West Kelowna UPCC	903														
	100 Mile District Gen Hosp	1,374	1		1	1		1		18	6	24	15	25	15	
	Alexis Creek Htlh Ctre	89														
	Ashcroft Hosp and Community Htlh Ctre	205														
	Barriere Htlh Ctre	136														
	Blue River Htlh Ctre	19.03														
	Cariboo Memorial Hosp	1,716	96	8	104	96	9	105	12	1	46	47	80	152	92	
	Chase and District Htlh Ctre	359														
	Dr. Helmcken Memorial Hosp	302														
	Kamloops Urgent Family CC	2948														
	Lillooet Hosp And Htlh Ctre	577	11		11	11		11			1	1	1	12	1	
Nicola Valley Htlh Ctre	1,227															
Queen Victoria Hosp	863	44		44	44		44		3	8	11	10	55	10		
Royal Inland Hosp	5,946	374	169	543	373	156	529	299	1	199	200	517	729	816	9	
Shuswap Lake General Hosp	2,129	27	8	35	27	7	34	10		13	13	19	47	29		
St. Bartholomew's Htlh Ctre	168															
Interior HA Total		56,179	2,293	570	2,863	2,284	553	2,837	952	59	1,055	1,114	2,473	3,951	3,425	30

HA/HSDA	Treating Hosp	ED Visits	Surgery							Medical				Med/Surg		Gen Ped Beds
			Day Care Procs	Inpt Procs	Total Procs	Day Care Visits	Inpt Visits	Total Visits	Total Days	Day Care Visits	Inpt Visits	Total Visits	Total Days	Total Visits	Total Days	
Fraser HA																
Fraser East	Abbotsford Regional Hosp and Cancer Centre	6,810	245	189	434	245	193	438	346		520	520	1,319	958	1665	12
	Chilliwack General Hosp	5,805	58	2	60	58	3	61	3		6	6	7	67	10	4
	Fraser Canyon Hosp	1,042														
	Mission Memorial Hosp	1,907														
Fraser North	Burnaby Hosp	3,191		2	2		4	4	4		41	41	76	45	80	
	Eagle Ridge Hosp	4,029	138		138	138		138						138		
	Ridge Meadows Hosp And Health Care Centre	4,127	157	43	200	157	49	206	71	1	70	71	78	277	149	4
	Royal Columbian Hosp	5,051	61	156	217	61	151	212	204		378	378	902	590	1,106	12
Fraser South	Delta Hosp	1,453	20		20	20		20			4	4	4	24	4	
	Jim Pattison Outpatient Care and Surgery Centre		23		23	23		23						23		
	Langley Memorial Hosp	3,649	89	61	150	88	60	148	107		155	155	297	303	404	8
	Peace Arch District Hosp	2,899		2	2		2	2	2					2	2	
	Surrey Memorial Hosp	22,755	594	327	921	592	340	932	495	5	855	860	2,214	1,792	2,709	16
Fraser HA Total		62,718	1,385	782	2,167	1,382	802	2,184	1,232	6	2,029	2,035	4,897	4,219	6,129	57
Vancouver Coastal HA																
North Shore/Coast Garibaldi	Bella Coola General Hosp	377									5	5	9	5	9	
	Lions Gate Hosp	4,267	128	124	252	128	129	257	192	27	262	289	677	546	869	10
	Pemberton Htlh Ctre	651														
	Powell River General Hosp	1,810	24	3	27	24	3	27	3		10	10	12	37	15	
	R.W. Large Memorial Hosp	319									4	4	9	4	9	
	Sechelt Hosp	1,709	17	1	18	17	2	19	2		25	25	29	44	31	
	Squamish General Hosp	1,754	75		75	75		75			24	24	32	99	32	
	Whistler Htlh Ctre	1,682														
Richmond	Richmond Hosp	3,128	119	27	146	119	30	149	45		99	99	158	248	203	3
Vancouver	Mount Saint Joseph Hosp	540	16		16	16		16						16	0	
	St. Paul's Hosp	537	15	2	17	13	2	15	4	6	88	94	112	109	116	
	UBC Health Sciences Centre	1,006	32	7	39	31	8	39	10			0		39	10	
	Vancouver General Hosp	66	27	17	44	27	14	41	109	9	1	10	1	51	110	
Vancouver Coastal HA Total		17,845	453	181	634	450	188	638	365	42	518	560	1,039	1,198	1,404	14
Vancouver Island HA																
Central Vancouver Island	Bamfield Htlh Ctre	206														
	Chemainus Health Care Ctre	908														
	Cowichan District Hosp	2,553	193	45	238	193	34	227	44		108	108	187	335	231	4
	Ladysmith Comm'ty Htlh Ctre	1,536														
	Nanaimo Regional Gen Hosp	4,951	811	124	935	811	121	932	184		251	251	506	1,183	690	8
	Oceanside Htlh Ctre	2,795														
	Tofino General Hosp	663									13	13	24	13	24	
	West Coast General Hosp	1,554	75	4	79	75	4	79	7		17	17	19	96	26	
North Vancouver Island	Cormorant Island Community Htlh Ctre	142										0		0	0	
	Gold River Htlh Ctre	311														
	Kyuquot Htlh Ctre	188														
	North Isld Hosp Campbell River and District	2,007	117	44	161	117	38	155	59		59	59	127	214	186	3
	North Isld Hosp Comox Valley	2,755	107	37	144	107	39	146	55		67	67	150	213	205	3
	Port Alice Htlh Ctre	108														
	Port Hardy Hosp	727									3	3	4	3	4	
	Port McNeill And Dist Hosp	444												0	0	
	St. Joseph's General Hosp	0														
	Tahsis Htlh Ctre	293														
South Vancouver Island	Lady Minto / Gulf Islds Hosp	977								1	2	3	3	3	3	
	Royal Jubilee Hosp	1,534	253	4	257	253	10	263	10	1	23	24	23	287	33	
	Saanich Peninsula Hosp	1,544	246		246	246		246						246		
	Victoria General Hosp	8,359	1,081	484	1,565	1,081	386	1,467	669	3	736	739	2,649	2,206	3,318	20
	Westshore UPCC	2,462														
Vancouver Island HA Total		37,016	2,883	742	3,625	2,883	632	3,515	1,028	5	1,279	1,284	3,692	4,799	4,720	33

HA/HSDA	Treating Hosp	ED Visits	Surgery							Medical				Med/Surg		Gen Ped Beds
			Day Care Procs	Inpt Procs	Total Procs	Day Care Visits	Inpt Visits	Total Visits	Total Days	Day Care Visits	Inpt Visits	Total Visits	Total Days	Total Visits	Total Days	
Northern HA																
Northeast	Chetwynd General Hosp	678														
	Dawson Creek and Dist Hosp	1,671	93	8	101	93	8	101	14	20	24	44	39	145	53	
	Fort Nelson General Hosp	379									6	6	24	6	24	
	Fort St. John General Hosp	2,412	116		116	116		116	0	39	52	91	180	207	180	
	Hudson's Hope Htlh Ctre	18														
	Tumbler Ridge Htlh Ctre	162														
Northern Interior	Fraser Lake Htlh Ctre	782														
	G.R. Baker Memorial Hosp	1,455	193	2	195	193	3	196	8		8	8	12	204	20	
	Lakes District Hosp and Htlh Ctr	920									1	1	3	1	3	
	Mackenzie And District Hosp	558														
	McBride and District Hosp	175									2	2	2	2	2	
	St. John Hosp	1,009	152	5	157	152	3	155	3	22	16	38	35	193	38	
	Stuart Lake Hosp	458									1	1	2	1	2	
	The Univ Hosp of N BC	3,713	355	55	410	354	59	413	127	4	295	299	845	712	972	12
	Valemount Htlh Ctre	466														
Northwest	Atlin Htlh Ctre	249														
	Bulkley Valley District Hosp	1,234	40	4	44	40	4	44	4	4	35	39	50	83	54	
	Haida Gwaii Hosp & Htlh Ctre	200									4	4	7	4	7	
	Houston Htlh Ctre	350														
	Kitimat General Hosp	1,893	94	2	96	94	2	96	2	3	8	11	15	107	17	
	Mills Memorial Hosp	1,886	202	13	215	202	15	217	33	2	86	88	171	305	204	
	Northern Haida Gwaii Hosp and Htlh Ctre	265														
	Prince Rupert Regional Hosp	1,517	78	9	87	78	9	87	15		18	18	23	105	38	
	Stewart General Hosp	232														
	Stikine Htlh Ctre	160														
	Wrinch Memorial Hosp	618	49		49	49		49			3	3	4	52	4	
Northern HA Total		23,462	1,372	98	1,470	1,371	103	1,474	206	94	559	653	1,412	2,127	1,618	12
Provincial Health Services Authority																
PHSA	B.C. Cancer Agency															
	B.C. Children's Hosp	29,509	4,849	3,012	7,861	4,844	2,007	6,851	7,757	893	2,954	3,847	19,474	10,698	27,231	97
	B.C. Women's Hosp		8	338	346	8		8			249	249	357	257	357	
PHSA Total		29,509	4,857	3,350	8,207	4,852	2,007	6,859	7,757	893	3,203	4,096	19,831	10,955	27,588	97
Grand Total		226,730	13,243	5,723	18,966	13,222	4,285	17,507	11,540	1,099	8,643	9,742	33,344	27,249	44,884	250

Appendix 2: Map of Pediatric Medical Discharges in BC



Appendix 3: HA Operated & Contracted Child & Youth Inpatient Beds in BC

Sites are listed in alphabetical order within each HA.

HA	Hospital	General Pediatric Beds	Pediatric Observation Beds	Ped ICU Beds ¹	Child & Youth MH Beds	Youth SU Beds ^{2,3}	Total Ped Beds	NICU Beds
IHA ⁴	A New Tomorrow (Kamloops)					8 ⁵	8	
	Bridge Youth Rec House (Kelowna)					14 ⁶	14	
	East Kootenay (Cranbrook)	2					2	
	Kelowna General	10			8		18	12
	Kootenay Boundary (Trail)	4					4	
	Penticton	4					4	
	Phoenix Centre (Kamloops)					5 ⁷	5	
	Royal Inland (Kamloops)	9			2		11	8
	Vernon	5					5	
FHA	Abbotsford Regional	12					12	10
	Burnaby						0	6
	Chilliwack General		4				4	
	Creekside Withdrawal Mgt Ctre (Surrey)					6	6	
	Langley Memorial	8					8	4
	Last Door Recovery Centre (N West)					4	4	
	Maple Ridge Treatment Centre					4 ⁸	4	
	Ridge Meadows		4				4	
	Royal Columbian	12					12	24
	Surrey Memorial	16			20		36	32
	Traverse (Chilliwack)					20	20	
VCHA	Carlile Centre (N Van)				10 ⁹		10	
	Lions Gate	10					10	6
	Peak House (Van)					8	8	
	Richmond		3 ¹⁰				3	6
	St Paul's						0	9
	Young Bears Lodge (Van)					5	5	

¹ Beds have capacity for invasive monitoring, inotropic drugs, and mechanical ventilation.

² Excludes beds in home-based settings and supportive recovery beds.

³ Substance use beds are funded by the HA but operated by an external agency. Exceptions: Creekside (Surrey) and Nechako (Prince George) are funded & operated by the HA.

⁴ Excludes Recovery Range (Fort Steele), ages 19 – 24 yrs.

⁵ Facility-based treatment, ages 12 – 18 yrs.

⁶ 14 beds: 4 withdrawal management & 10 facility treatment, ages 12 – 18 yrs.

⁷ Withdrawal management, ages 12 – 24 yrs.

⁸ Ages 18 – 24 yrs.

⁹ Concurrent disorders, 13 – 18 yrs old.

¹⁰ 3 funded beds (5 physical beds) staffed by 1 RN 24/7.

HA	Hospital	General Pediatric Beds	Pediatric Observation Beds	Ped ICU Beds ¹	Child & Youth MH Beds	Youth SU Beds ^{2, 3}	Total Ped Beds	NICU Beds
Island HA	Campbell River	3					3	
	Comox Valley	3					3	
	Cowichan District (Duncan)	4					4	
	Ledger House (Victoria)				14 ⁴		14	
	Nanaimo Regional	8					8	9
	Victoria General	20 (24) ⁵		5			25	22
	Victoria Youth Empowerment Society Specialized Youth Detox					5 ⁶	5	
NHA	Nechako Centre (Prince George)					8 ⁷	8	
	University Hosp of Northern B.C.	12 ⁸			6 ⁹		18	9
PHSA	B.C. Children's Hospital	97		22	54 ¹⁰		173	
	B.C. Women's						0	60
TOTAL		239	11	27	114	87	478	217

Source: Survey of CHBC Regional Coordinators, March 2023.

Note: Several hospitals in BC do not have dedicated pediatric beds but admit children to beds on adult inpatient units. These hospitals are not included on the list above.

¹ Beds have capacity for invasive monitoring, inotropic drugs, and mechanical ventilation.

² Excludes beds in home-based settings and supportive recovery beds.

³ Substance use beds are funded by the HA but operated by an external agency. Exceptions: Creekside (Surrey) and Nechako (Prince George) are funded & operated by the HA.

⁴ 14 beds: 5 child, 6 youth & 3 special care (assessment/stabilization) beds.

⁵ Planned seasonal increase to 24 beds Oct-April. 4 beds available with increased safety and monitoring for mental health.

⁶ Short-term residential withdrawal management program, ages 13-18

⁷ Includes 1 detox bed.

⁸ 4 beds have the capacity for more intensive monitoring, up to and including continuous cardiorespiratory monitoring.

⁹ 2 beds for planned admissions and 4 for crisis stabilization.

¹⁰ Includes 14 beds at Looking Glass (up to age 24), a residential eating disorders program operated by PHSA (BC Mental Health & Substance Use Services and BCCH) in collaboration with the Looking Glass Foundation.