

SETTING
THE STAGE

CHILDREN'S SURGICAL SERVICES

MARCH 2023
(2020/21 Data)

childhealthbc.ca



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

Contents

1.0	Providers of Children's Surgical Services	2
2.0	Utilization of Surgical Services by Children.....	4
2.1	About the Data.....	4
2.2	Inpatient and Day Care Visits/Procedures	4
3.0	References	7
	Appendix 1: ED and Med/Surg Visits and Days by Facility.....	8
	Appendix 2: Map of Pediatric Surgical Discharges in BC	11
	Appendix 3: Surgical Procedures by Treating Hospital	12
	Appendix 4: Surgical Procedures, Children Ages 0 – 16.9 Yrs, by HA of Treating Hospital & Child's Home Residence	19
	Appendix 5: HA Operated & Contracted Child & Youth Inpatient Beds in BC.....	22

HOW TO CITE THE CHILDREN'S SURGICAL 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 Surgical Services*. Vancouver, BC: Child Health BC, Dec 2021.

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

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

1. Documents that provide context and were developed to inform the Surgical Tiers module
 - a. *Children's Surgical Services: **Setting the Stage** for Tiers Development (this document)*
 - b. Summary of the Evidence Volume-Outcome Relationship in Pediatric Surgery¹
2. Children's Surgical Services: **Tiers in Brief** to Support System Planning: Provides a high-level description of the tiers, including responsibilities and requirements.
3. Children's Surgical Services: **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 Surgical Services

Children's surgical services are provided by surgical and anesthesia providers in partnership with nurses, allied health, and other members of the health care team.

In BC, surgical and anesthesia providers have one of the following types of qualifications:

1. Royal College of Physicians and Surgeons of Canada (RCPSC)-certified (see Table 1).
 - a) Adult surgery specialists and anesthesiologists:
 - Surgeons and anesthesiologists who have completed a post-graduate specialty residency program and the relevant RCPSC examination. Residencies are usually five years.
 - Surgical and anesthesiology residency programs include a pediatric component.
 - b) Pediatric surgery and anesthesiology specialists:
 - Specialty-trained surgeons and anesthesiologists who have completed additional training in pediatrics.
 - In Canada, pediatric general surgery is the only pediatric surgical subspecialty recognized by the RCPSC. Pediatric general surgery requires completion of a two-year residency program and the RCPSC examination.
 - Pediatric training for other surgical specialties and for anesthesiology occurs through fellowships which range from one to four years in length. No subspecialty RCPSC examination is required.
2. Family practice physicians with specialty training
 - a) Family practice physicians with enhanced surgical skills:
 - Family practice physicians who have completed a College of Family Physicians of Canada (CFPC) approved one-year training program in enhanced surgical skills or equivalent training in a program outside of Canada acceptable to the College of Physicians and Surgeons of BC (CPSBC) and the governing body of the HA and its Affiliate(s).²

b) Family practice anesthesia providers:

- Family practice physicians who have completed a CFPC accredited one-year training program in family practice anesthesia or equivalent training in a program outside of Canada acceptable to the governing body of the organization. Training program should include specific training in pediatric, obstetrical and adult anesthesia.³

Table 1: BC RCPSC-Certified Surgery & Anesthesiology Specialists

Pediatric Surgery & Anesthesiology Specialists	BCCH	IH	FH	VCH	Is H	NH	Adult Surgery & Anesthesiologists Specialists
Anesthesia	19	2		1+1*	3		479
Cardiovascular/Thoracic Surgery	2						49
General/Vascular Surgery	5	1			2		276
Neurosurgery	2						45
Ophthalmology	15			1*	1		192
Orthopedics	8	1+1*	1*		2		225
Otolaryngology	6		2	4	3		94
Plastics	7	1			2		95
Urology	3	1		1	1		93
Total, excluding dental	67	7	3	8	14	0	1,548
Dental	16	Unkn	Unkn	Unkn	Unkn	Unkn	Unknown

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

Notes:

- Numbers represent number of physicians, not number of full-time equivalents (FTEs).
- Many adult surgery and adult anesthesiology specialists do not perform surgery/provide anesthesia on children.

Sources:

- BC Children's data: BC Children's Credentialing Office, 2022 (Active Members only).
- Pediatric surgery & anesthesiology specialists elsewhere in BC: CHBC Coordinators worked with HA representatives to identify. The numbers are approximate and current as of June 2021.
- Adult surgery specialists & anesthesiologists: Canadian specialty profiles, 2019. Accessed Feb 2023. https://www.cma.ca/sites/default/files/2019-11/2019-01-spec-prov_1.pdf

2.0 Utilization of Surgical Services by Children

2.1 About the Data

Highlights of the data used to inform the development of this module are provided in this section. Detailed data and a visual representation (map) are available in Appendices 1 - 5.

Data is provided for inpatient (including babies in NICU) and day care service utilization. Unfortunately, no comparable provincial-level data exists for hospital outpatient or community-based services.

Data is for 2020/21 and children ages 0 - 16.9 years. Surgical procedures were assigned to the surgical specialty of the procedural physician. For example, if a general surgeon performed a thoracic procedure, the procedure was assigned to general surgery (not thoracic surgery).

2.2 Inpatient and Day Care Visits/Procedures

In 2020/21, 34,459 visits (94 per day, including NICU visits) were made by children to a BC hospital for medical/surgical reasons (16,941 medical and 17,517 surgical visits for a 49%/51% split, based on the most responsible physician (MRP). Of these, 20,138 (55 per day or 58% of total visits) were inpatient visits (79% medical and 21% surgical visits).

24,603 procedures were performed during the 34,459 visits in 2020/21. Of these, 18,966 (77%) were performed by surgeons.

Of the 18,966 procedures performed by surgeons (refer to Tables 2 - 5 for details):

- 13,243 (70%) were performed on a surgical day care basis and 5,723 (30%) on inpatients.
- The highest number were dentistry (26% of total procedures), followed by otolaryngology (15%), orthopedic (14%) and general surgery (14%).
- 8,207 (43% of the total provincial procedures) were performed at Children's & Women's (C&W), 3,625 (19%) in Island Health, 2,863 (15%) in IH, 2,167 (11%) in FH, 1,470 (8%) in NHA and 634 (3%) in VCH.
- The highest number were performed on children living in FHA (33% of the total provincial procedures), followed by children living in Island Health (21% of total procedures) and IH (18% of total procedures). On a per capita basis, the number was lower in FHA/VCH (48% of the total surgical visits vs 62% of the population) than in the other HAs.
- 67% were performed in a hospital in the HA in which the child was residing.
 - Children living in VCH and VIHA were the most likely to access services in their home HA (95% in VCH and 91% in VIHA). Children living in FHA were the least likely (34%).
 - Children requiring otolaryngology services were the most likely to access services in their home HA (83%), followed by oral surgery (72%), orthopedic surgery (72%) and dentistry (67%).
 - Services that children were most likely to travel to another HA to receive were neurosurgery (80% travelled to another HA) and cardiac surgery (76% travelled).

Table 2: Surgical Procedures, Children Ages 0 – 16.9 Yrs, by Surgical Specialty (CIHI, 2020/21)

Procedure MD	Procedures			% Total Procedures	% SDC/Total Procedures	C&W	% C&W/Total Procedures
	Inpatient	Day Surgery	Total				
Anaesthesiology	13	45	58	0%	78%	41	71%
Cardiac/Thoracic Surgery	279	9	288	2%	3%	275	95%
Dentistry	29	4,951	4980	26%	99%	1,590	32%
General Surgery	1,592	1,005	2597	14%	39%	1,133	44%
Gynaecology	61	156	217	1%	72%	56	26%
Neurosurgery	175	22	197	1%	11%	187	95%
Ophthalmology	57	947	1004	5%	94%	774	77%
Oral Surgery	62	557	619	3%	90%	192	31%
Orthopaedic Surgery	1,227	1,459	2686	14%	54%	943	35%
Otolaryngology	778	1,985	2763	15%	72%	643	23%
Plastic Surgery	230	667	897	5%	74%	419	47%
Radiology	977	426	1403	7%	30%	1,222	87%
Urology	243	1,014	1257	7%	81%	732	58%
Total Procedures	5,723	13,243	18,966	100%	70%	8,207	43%

Table 3: Surgical Procedures, Children 0 – 16.9 Yrs, by Surgical Specialty & HA of Treating Hospital (CIHI, 2020/21)

Procedure MD	HA of Treating Hospital								% Total Visits
	Interior	Fraser	Van Coastal	Van Island	Northern	Total, excl C&W	C&W	Total, incl C&W	
Anaesthesiology	3	2	1	7	4	17	41	58	0%
Cardiac/Thoracic Surgery	1	6	5	1		13	275	288	2%
Dentistry	1042	231	51	1330	736	3390	1,590	4980	26%
General Surgery	275	369	109	546	165	1464	1,133	2597	14%
Gynaecology	69	24	11	45	12	161	56	217	1%
Neurosurgery	2	3	3	2		10	187	197	1%
Ophthalmology	35	12	26	151	6	230	774	1004	5%
Oral Surgery	30	100	8	242	47	427	192	619	3%
Orthopaedic Surgery	496	450	171	405	221	1743	943	2686	14%
Otolaryngology	607	688	151	488	186	2120	643	2763	15%
Plastic Surgery	116	112	29	173	48	478	419	897	5%
Radiology	71	21	19	54	16	181	1,222	1403	7%
Urology	116	149	50	181	29	525	732	1257	7%
Total Procedures	2,863	2,167	634	3,625	1,470	10,759	8,207	18,966	100%
% Total Procedures	15%	11%	3%	19%	8%	57%	43%	100%	

Note: Surgical procedures were assigned to the surgical specialty of the procedural physician. For example, if a general surgeon performed a thoracic procedure, the procedure would be assigned to general surgery (not thoracic surgery).

Table 4: Surgical Procedures, Children Ages 0 – 16.9 Yrs, by Surgical Specialty & Home Residence (CIHI, 2020/21)

Procedure MD	Child's Home Residence						Other	Total, incl Other
	Interior	Fraser	Van Coastal	Van Island	Northern	Total, excl Other		
Anaesthesiology	4	28	8	12	6	58	0	58
Cardiac/Thoracic Surgery	39	119	77	20	22	277	11	288
Dentistry	1062	1,076	392	1315	766	4611	369	4,980
General Surgery	412	932	419	580	232	2575	22	2,597
Gynaecology	72	56	29	43	15	215	2	217
Neurosurgery	23	88	38	22	24	195	2	197
Ophthalmology	79	439	220	190	49	977	27	1,004
Oral Surgery	31	215	73	241	53	613	6	619
Orthopaedic Surgery	553	944	410	468	275	2650	36	2,686
Otolaryngology	659	980	368	513	222	2742	21	2,763
Plastic Surgery	158	313	152	197	70	890	7	897
Radiology	217	574	299	176	118	1384	19	1,403
Urology	191	546	224	208	77	1246	11	1,257
Total Procedures	3,500	6,310	2,709	3,985	1,929	18,433	533	18,966
% Total Procedures	18%	33%	14%	21%	10%	97%		
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%		

Table 5: % Surgical Procedures in Home HA for Children Ages 0 - 16.9 Yrs (CIHI, 2020/21)

Procedure MD	Child's Home Residence					
	IHA	FHA	VCH (see note below)	VIHA	NHA	Prov Avg
Anaesthesiology	75%	7%	100%	58%	67%	37%
Cardiac/Thoracic Surgery	19%	5%	100%	5%	0%	24%
Dentistry	95%	21%	92%	101%	96%	67%
General Surgery	63%	34%	99%	94%	71%	65%
Gynaecology	92%	43%	100%	105%	80%	81%
Neurosurgery	9%	3%	100%	9%	0%	20%
Ophthalmology	44%	7%	98%	79%	12%	42%
Oral Surgery	79%	41%	90%	100%	89%	72%
Orthopaedic Surgery	81%	52%	95%	87%	80%	72%
Otolaryngology	92%	71%	84%	95%	84%	83%
Plastic Surgery	71%	29%	93%	88%	69%	61%
Radiology	33%	4%	100%	31%	14%	35%
Urology	61%	27%	99%	87%	38%	52%
% Procedures in Home HA	82%	34%	95%	91%	76%	67%

Notes:

1. Surgical procedures were assigned to the surgical specialty of the procedural physician. For example, if a general surgeon performed a thoracic procedure, the procedure would be assigned to general surgery (not thoracic surgery).
2. For the purposes of this table, children from VCH that had a procedure at C&W or a VCH hospital were assumed to have received the service in their home HA.

Of the 109 hospitals in BC:

- Surgery was performed on children in 56/109 (51%) hospitals in 2020/21. If hospitals performing 5 or fewer procedures are excluded, 53/109 (49%) of hospitals performed surgery on children.
- Of the 53 hospitals where surgery was performed on children (>5 procedures per year):
 - 13/53 (25%) performed day care surgery only.
 - 25/53 (48%) performed fewer than 100 procedures, 29 performed between 100 and 1,000 procedures and 2/57 performed more than 1,000 procedures (BCH and Victoria General).
 - 22/53 (42%) have dedicated pediatric beds (see Appendix 5 for a listing) and collectively performed 83% of the total pediatric surgical volume.

3.0 References

1. Hanley G. Summary of the Evidence Volume-Outcome Relationship in Pediatric Surgery. <http://Childhealthbc.ca/Tiers-Service/Childrens-Surgical-Services>; 2013:1-15.
2. BC Medical Quality Initiative. Family Practice Enhanced Surgical Skills Dictionary. [http://bcmqi.ca/Published%20Dictionaries/Family%20Practice%20Enhanced%20Surgical%20Skills%20\(2021-03\).pdf](http://bcmqi.ca/Published%20Dictionaries/Family%20Practice%20Enhanced%20Surgical%20Skills%20(2021-03).pdf)
3. BC Medical Quality Initiative. Family practice anesthesia dictionary. [http://bcmqi.ca/Published%20Dictionaries/FamilyPracticeAnesthesia\(2019-07\)%20-%20rv.pdf](http://bcmqi.ca/Published%20Dictionaries/FamilyPracticeAnesthesia(2019-07)%20-%20rv.pdf). 2019.

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

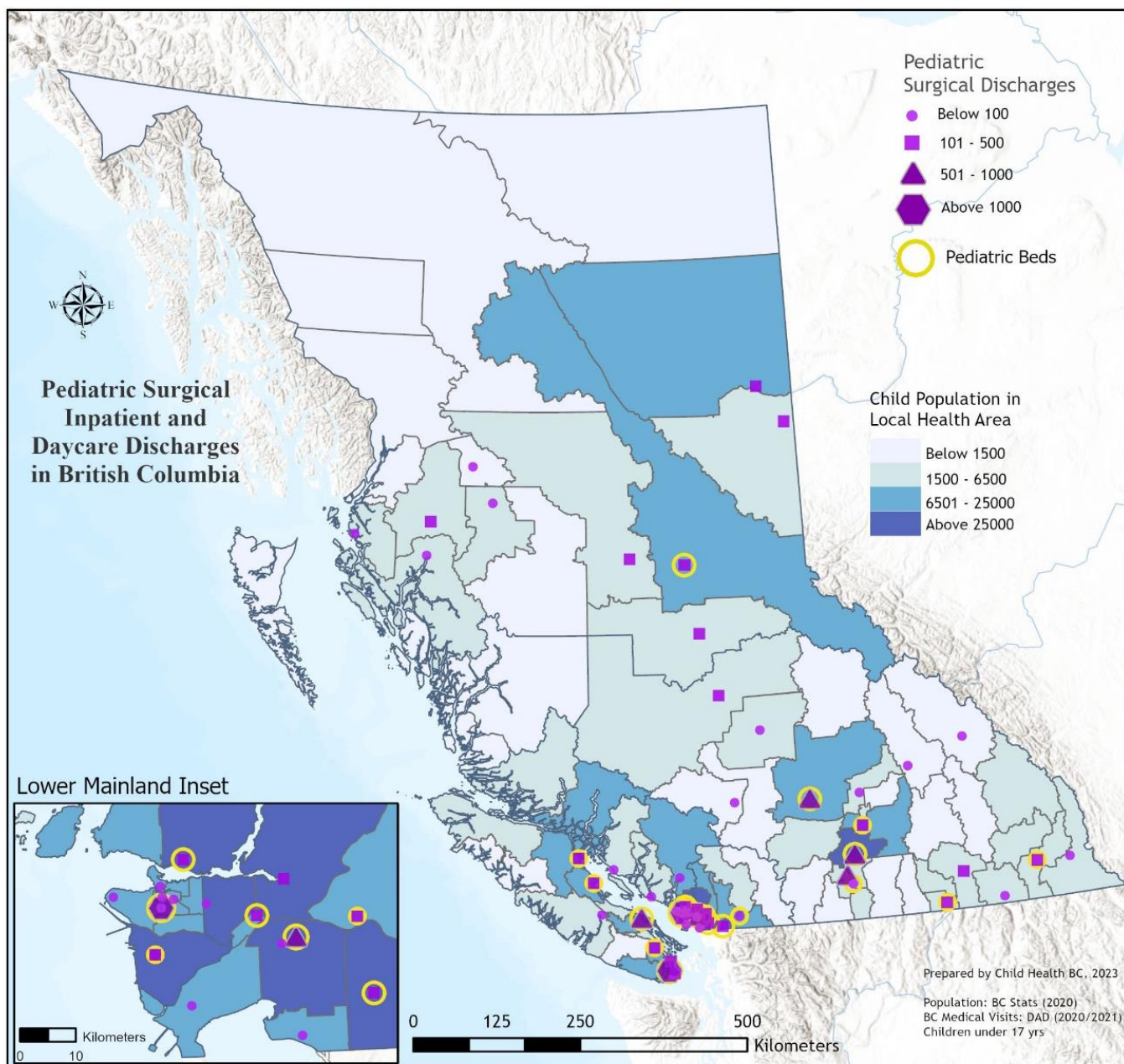
- Includes children ages 0 - 16.9 years.
- Surgical procedures: Procedures performed on children by a surgeon regardless of most responsible physician (MRP). Includes children in NICUs, PICUs, med/surg units and in day care settings.
- Med/surg visits and days: Visits and days sorted by MRP. Includes children in PICUs, med/surg units & 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 & Comm 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
Northwest	Valemount Htlh Ctre	466														
	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 Surgical Discharges in BC



Appendix 3: Surgical Procedures by Treating Hospital

- Includes children ages 0 - 16.9 years. Source is the BC MoH Discharge Abstract Database (20/21 fiscal year).
- Procedures by procedural physician regardless of most responsible physician (MRP). Includes children in NICUs, PICUs, med/surg units and day care settings.
- Surgical procedures are assigned to the surgical specialty of the procedural physician. For example, if a general surgeon performed a thoracic procedure, the procedure is assigned to general surgery (not thoracic surgery).

Procedure MD	Age of Child				Total
	<1.9 Yrs	2.0 - 5.9 Yrs	6.0 - 13.9 Yrs	14.0 - 16.9 Yrs	
Interior HA					
100 Mile District General Hospital				1	1
Urology				1	1
Cariboo Memorial Hospital	1	44	41	18	104
Dentistry		42	19		61
General Surgery	1	2	14	13	30
Gynaecology			1	5	6
Otolaryngology			6		6
Urology			1		1
Creston Valley Hospital		14	13		27
Dentistry		14	13		27
East Kootenay Regional Hospital	1	62	159	49	271
Dentistry		2	2	1	5
General Surgery		2	16	14	32
Gynaecology		1	1	6	8
Orthopaedic Surgery		3	31	15	49
Otolaryngology	1	53	99	10	163
Urology		1	10	3	14
Elk Valley Hospital		48	39	3	90
Dentistry		48	39	3	90
Golden and District Hospital		16	11	13	40
Dentistry		16	10	2	28
General Surgery			1	4	5
Orthopaedic Surgery				7	7
Kelowna General Hospital	46	132	236	171	585
Anaesthesiology	2				2
Dentistry		16	17	3	36
General Surgery		7	42	15	64
Gynaecology				19	19
Ophthalmology	2	16	11	4	33
Oral Surgery	1	2	7	13	23
Orthopaedic Surgery	2	15	40	59	116
Otolaryngology	10	31	58	17	116
Plastic Surgery	12	13	21	30	76
Radiology	6	18	28	6	58
Urology	11	14	12	5	42
Kootenay Boundary Regional Hospital	1	14	72	69	156
General Surgery			10	14	24
Gynaecology			2	11	13
Orthopaedic Surgery		4	34	34	72
Otolaryngology	1	8	18	5	32
Plastic Surgery		1	2	1	4
Radiology				1	1
Urology		1	6	3	10
Kootenay Lake Hospital		56	72	4	132
Dentistry		54	71	1	126
General Surgery				2	2
Gynaecology			1		1
Ophthalmology		2			2

Procedure MD	Age of Child				Total
	<1.9 Yrs	2.0 - 5.9 Yrs	6.0 - 13.9 Yrs	14.0 - 16.9 Yrs	
Orthopaedic Surgery				1	1
Lillooet Hospital And Health Centre		4	7		11
Dentistry		4	7		11
Penticton Regional Hospital		11	57	19	87
General Surgery		2	9	4	15
Gynaecology			1	2	3
Orthopaedic Surgery		3	28	8	39
Otolaryngology		6	6	3	15
Radiology			2	1	3
Urology			11	1	12
Queen Victoria Hospital		17	20	7	44
Dentistry		17	17	2	36
Oral Surgery			3	4	7
Orthopaedic Surgery				1	1
Royal Inland Hospital	3	136	285	119	543
Anaesthesiology			1		1
Cardiac/Thoracic Surgery				1	1
Dentistry		67	95	8	170
General Surgery		9	29	10	48
Gynaecology			1	7	8
Neurosurgery				2	2
Orthopaedic Surgery	1	18	57	46	122
Otolaryngology	2	34	72	18	126
Plastic Surgery		3	17	16	36
Radiology		2	3	2	7
Urology		3	10	9	22
Shuswap Lake General Hospital		6	13	16	35
Dentistry		3	3		6
General Surgery		2	7	4	13
Gynaecology				7	7
Orthopaedic Surgery		1	3	5	9
Summerland Memorial Health Centre		270	237	12	519
Dentistry		248	194	4	446
Otolaryngology		22	43	8	73
Vernon Jubilee Hospital		62	100	56	218
General Surgery		4	24	14	42
Gynaecology			2	2	4
Orthopaedic Surgery		13	37	30	80
Otolaryngology		39	28	9	76
Radiology		1		1	2
Urology		5	9		14
Interior HA Total	52	892	1,362	557	2,863
Fraser HA					
Abbotsford Regional Hospital and Cancer Centre	1	103	229	101	434
Dentistry		47	50	8	105
General Surgery	1	2	44	29	76
Gynaecology				6	6
Oral Surgery		1	3	2	6
Orthopaedic Surgery		19	71	30	120
Otolaryngology		25	39	9	73
Plastic Surgery			6	6	12
Radiology			1		1
Urology		9	15	11	35
Burnaby Hospital				2	2
Urology				2	2
Chilliwack General Hospital		6	23	31	60
General Surgery				2	2
Gynaecology				4	4

Procedure MD	Age of Child				Total
	<1.9 Yrs	2.0 - 5.9 Yrs	6.0 - 13.9 Yrs	14.0 - 16.9 Yrs	
Oral Surgery		1	2	7	10
Orthopaedic Surgery			1	14	15
Otolaryngology		5	20	2	27
Urology				2	2
Delta Hospital				20	20
General Surgery				12	12
Ophthalmology				2	2
Oral Surgery				5	5
Orthopaedic Surgery				1	1
Eagle Ridge Hospital		30	50	58	138
Cardiac/Thoracic Surgery				1	1
Dentistry		6	9	1	16
General Surgery				3	3
Gynaecology				1	1
Oral Surgery			2	1	3
Orthopaedic Surgery			9	34	43
Otolaryngology		20	23	13	56
Plastic Surgery		4	6	1	11
Urology			1	3	4
Jim Pattison Outpatient Care and Surgery Centre, Surrey				23	23
General Surgery				4	4
Orthopaedic Surgery				3	3
Plastic Surgery				16	16
Langley Memorial Hospital	2	15	66	67	150
General Surgery	2	2	14	16	34
Gynaecology			1	3	4
Oral Surgery		1	20	22	43
Orthopaedic Surgery		5	22	11	38
Otolaryngology		7	9	8	24
Plastic Surgery				1	1
Radiology				1	1
Urology				5	5
Peace Arch District Hospital				2	2
Urology				2	2
Ridge Meadows Hospital And Health Care Centre		75	91	34	200
Anaesthesiology		1			1
Dentistry		68	29	2	99
General Surgery			20	12	32
Gynaecology			1	4	5
Oral Surgery		1	1		2
Orthopaedic Surgery		4	34	13	51
Urology		1	6	3	10
Royal Columbian Hospital	4	15	114	84	217
Anaesthesiology			1		1
General Surgery		2	45	28	75
Gynaecology				2	2
Neurosurgery				3	3
Ophthalmology	1				1
Oral Surgery			1		1
Orthopaedic Surgery		12	41	27	80
Otolaryngology			1	1	2
Plastic Surgery		1	17	15	33
Radiology	3		3	5	11
Urology			5	3	8
Surrey Memorial Hospital	6	232	516	167	921
Cardiac/Thoracic Surgery				5	5
Dentistry		3	8		11
General Surgery		8	85	38	131

Procedure MD	Age of Child				Total
	<1.9 Yrs	2.0 - 5.9 Yrs	6.0 - 13.9 Yrs	14.0 - 16.9 Yrs	
Gynaecology			1	1	2
Ophthalmology	2		5	2	9
Oral Surgery		4	22	4	30
Orthopaedic Surgery		24	57	18	99
Otolaryngology	4	161	275	66	506
Plastic Surgery		17	10	12	39
Radiology			5	3	8
Urology		15	48	18	81
Fraser HA Total	13	476	1,089	589	2,167
Vancouver Coastal HA					
Lions Gate Hospital		31	133	88	252
General Surgery		4	34	18	56
Gynaecology				3	3
Orthopaedic Surgery		5	46	41	92
Otolaryngology		22	44	15	81
Plastic Surgery			3	8	11
Radiology			2	1	3
Urology			4	2	6
Mount Saint Joseph Hospital			3	13	16
General Surgery				1	1
Ophthalmology			2	6	8
Otolaryngology				4	4
Urology			1	2	3
Powell River General Hospital		4	11	12	27
Dentistry		2	5	5	12
General Surgery		2	6	3	11
Gynaecology				4	4
Richmond Hospital		9	81	56	146
General Surgery			9	10	19
Gynaecology				1	1
Orthopaedic Surgery		1	17	19	37
Otolaryngology		5	28	13	46
Plastic Surgery			1	8	9
Urology		3	26	5	34
Sechelt Hospital		1	10	7	18
Dentistry		1	4		5
General Surgery			5	5	10
Gynaecology			1	2	3
Squamish General Hospital		20	25	30	75
Dentistry		18	13	3	34
General Surgery				2	2
Orthopaedic Surgery			2	18	20
Otolaryngology		2	8	4	14
Plastic Surgery			2	3	5
St. Paul's Hospital			1	16	17
Orthopaedic Surgery			1	10	11
Otolaryngology				1	1
Plastic Surgery				2	2
Radiology				2	2
Urology				1	1
UBC Health Sciences Centre				39	39
Cardiac/Thoracic Surgery				2	2
Ophthalmology				12	12
Oral Surgery				8	8
Orthopaedic Surgery				9	9
Otolaryngology				5	5
Radiology				3	3
Vancouver General Hospital		4	10	30	44

Procedure MD	Age of Child				Total
	<1.9 Yrs	2.0 - 5.9 Yrs	6.0 - 13.9 Yrs	14.0 - 16.9 Yrs	
Anaesthesiology				1	1
Cardiac/Thoracic Surgery				3	3
General Surgery			4	6	10
Neurosurgery				3	3
Ophthalmology				6	6
Orthopaedic Surgery				2	2
Plastic Surgery				2	2
Radiology			5	6	11
Urology		4	1	1	6
Vancouver Coastal HA Total		69	274	291	634
Vancouver Island HA					
Campbell River and District General Hospital		29	72	60	161
Anaesthesiology		1			1
General Surgery		5	13	7	25
Gynaecology				1	1
Oral Surgery		2	5	22	29
Orthopaedic Surgery		4	25	12	41
Otolaryngology		16	22	7	45
Plastic Surgery		1	7	11	19
Comox Valley Hospital		24	67	53	144
Dentistry		17	22	21	60
General Surgery		1	18	6	25
Gynaecology				5	5
Ophthalmology			1	1	2
Orthopaedic Surgery		4	16	15	35
Urology		2	10	5	17
Cowichan District Hospital	1	102	98	37	238
Dentistry		64	28		92
General Surgery			9	10	19
Gynaecology			1	2	3
Ophthalmology				1	1
Oral Surgery			2	2	4
Orthopaedic Surgery		5	25	9	39
Otolaryngology		28	27	9	64
Plastic Surgery		2			2
Urology	1	3	6	4	14
Nanaimo Regional General Hospital	1	448	398	88	935
Anaesthesiology		1			1
Dentistry		400	255	3	658
General Surgery		3	23	13	39
Gynaecology			2	8	10
Ophthalmology			1		1
Oral Surgery		6	21	21	48
Orthopaedic Surgery	1	7	26	14	48
Otolaryngology		25	44	14	83
Plastic Surgery		6	14	8	28
Radiology			1		1
Urology			11	7	18
Royal Jubilee Hospital		92	117	48	257
Cardiac/Thoracic Surgery				1	1
Dentistry		57	41	3	101
Ophthalmology		2	10	12	24
Oral Surgery		28	47	2	77
Orthopaedic Surgery				5	5
Plastic Surgery			5	16	21
Urology		5	14	9	28
Saanich Peninsula Hospital		111	119	16	246
Dentistry		111	116	4	231

Procedure MD	Age of Child				Total
	<1.9 Yrs	2.0 - 5.9 Yrs	6.0 - 13.9 Yrs	14.0 - 16.9 Yrs	
Gynaecology				2	2
Ophthalmology				1	1
Orthopaedic Surgery			2	5	7
Plastic Surgery			1	4	5
Victoria General Hospital	224	474	632	235	1,565
Anaesthesiology	2		2	1	5
Dentistry	6	59	56	4	125
General Surgery	73	119	165	68	425
Gynaecology			6	17	23
Neurosurgery				2	2
Ophthalmology	15	43	54	10	122
Oral Surgery	1	34	45	4	84
Orthopaedic Surgery	6	29	118	77	230
Otolaryngology	58	115	97	26	296
Plastic Surgery	14	42	35	7	98
Radiology	15	11	19	8	53
Urology	34	22	35	11	102
West Coast General Hospital		28	42	9	79
Dentistry		27	35	1	63
General Surgery		1	7	5	13
Gynaecology				1	1
Urology				2	2
Vancouver Island HA Total	226	1,308	1,545	546	3,625
Northern HA					
Bulkley Valley District Hospital		13	15	16	44
Dentistry		5	4		9
General Surgery		1	3	4	8
Orthopaedic Surgery			1	5	6
Otolaryngology		6	5	5	16
Plastic Surgery		1	2	2	5
Dawson Creek and District Hospital		32	43	26	101
Dentistry		24	13		37
General Surgery		3	12	13	28
Gynaecology				2	2
Orthopaedic Surgery		5	17	11	33
Urology			1		1
Fort St. John General Hospital		67	37	12	116
Dentistry		61	21		82
General Surgery		1	7	10	18
Otolaryngology		5	9	2	16
G.R. Baker Memorial Hospital		81	86	28	195
Dentistry		66	54	5	125
General Surgery		2	6	10	18
Orthopaedic Surgery			1	3	4
Otolaryngology		13	24	9	46
Plastic Surgery			1	1	2
Kitimat General Hospital	1	32	45	18	96
Dentistry		25	13	1	39
General Surgery		1	3	6	10
Orthopaedic Surgery	1	6	23	11	41
Otolaryngology			6		6
Mills Memorial Hospital		94	95	26	215
Dentistry		78	61	2	141
General Surgery			7	12	19
Gynaecology				5	5
Ophthalmology		1			1
Otolaryngology		11	20	2	33
Plastic Surgery		3	4	2	9

Procedure MD	Age of Child				Total
	<1.9 Yrs	2.0 - 5.9 Yrs	6.0 - 13.9 Yrs	14.0 - 16.9 Yrs	
Urology		1	3	3	7
Prince George Regional Hospital	28	109	185	88	410
Anaesthesiology				4	4
Dentistry	1	52	56	2	111
General Surgery	2	4	17	17	40
Gynaecology			1	1	2
Ophthalmology		1	3	1	5
Oral Surgery	16	12	17	2	47
Orthopaedic Surgery		13	54	42	109
Otolaryngology	1	7	11	4	23
Plastic Surgery	7	5	11	9	32
Radiology		10	3	3	16
Urology	1	5	12	3	21
Prince Rupert Regional Hospital		27	45	15	87
Dentistry		23	15		38
General Surgery		2	15	5	22
Gynaecology		1		2	3
Orthopaedic Surgery		1	14	8	23
Otolaryngology			1		1
St. John's Hospital		93	53	11	157
Dentistry		77	28	2	107
Orthopaedic Surgery		1	1	3	5
Otolaryngology		15	24	6	45
Wrinch Memorial Hospital		25	23	1	49
Dentistry		25	21	1	47
General Surgery			2		2
Northern HA Total	29	573	627	241	1,470
Provincial Health Services Authority					
B.C. Children's Hospital	1,560	2,500	2,899	902	7,861
Anaesthesiology	3	1	11	24	39
Cardiac/Thoracic Surgery	167	41	44	19	271
Dentistry	39	889	622	40	1,590
General Surgery	300	267	323	116	1,006
Gynaecology		2	30	17	49
Neurosurgery	41	47	71	18	177
Ophthalmology	145	304	259	46	754
Oral Surgery	3	13	126	50	192
Orthopaedic Surgery	46	152	494	251	943
Otolaryngology	113	197	241	55	606
Plastic Surgery	126	124	125	40	415
Radiology	358	274	300	157	1,089
Urology	219	189	253	69	730
B.C. Women's Hospital	338			8	346
Anaesthesiology	1			1	2
Cardiac/Thoracic Surgery	4				4
General Surgery	127				127
Gynaecology				7	7
Neurosurgery	10				10
Ophthalmology	20				20
Otolaryngology	37				37
Plastic Surgery	4				4
Radiology	133				133
Urology	2				2
PHSA Total	1,898	2,500	2,899	910	8,207
Grand Total	2,218	5,818	7,796	3,134	18,966
% Total Surgical Procedures	12%	31%	41%	17%	100%

Appendix 4: Surgical Procedures, Children Ages 0 – 16.9 Yrs, by HA of Treating Hospital & Child's Home Residence

- Includes children ages 0 - 16.9 years. Source is the BC MoH Discharge Abstract Database, 2020/21.
- Procedures by procedural physician regardless of most responsible physician (MRP). Includes children in NICUs, PICUs, med/surg units and day care settings.
- Surgical procedures are assigned to the surgical specialty of the procedural physician. For example, if a general surgeon performed a thoracic procedure, the procedure is assigned to general surgery (not thoracic surgery).

		Child's Home Residence							
Procedure MD	HA of Treating Hospital	Interior	Fraser	Van Coastal	Van Island	Northern	Total, excl Other	Other	Total, incl Other
Pop'n, 0 - 16.9 Yrs		123,865	346,341	165,754	125,357	59,081	820,398		
Anaesthesiology	Interior	3					3		3
	Fraser		2				2		2
	Vancouver Coastal				1		1		1
	Vancouver Island				7		7		7
	Northern					4	4		4
	PHSA	1	26	8	4	2	41		41
	Total	4	28	8	12	6	58	0	58
	% treated in home HA	75%	7%	100%	58%	67%	41%		
	Per 1,000 pop'n children	0.0	0.1	0.0	0.1	0.1	0.1		
Cardiac/ Thoracic Surgery	Interior	1					1		1
	Fraser		6				6		6
	Vancouver Coastal			2	3		5		5
	Vancouver Island					1	1		1
	Northern						0		0
	PHSA	38	113	75	17	21	264	11	275
	Total	39	119	77	20	22	277	11	288
	% treated in home HA	3%	5%	100%	0%	0%	30%		
	Per 1,000 pop'n children	0.3	0.3	0.5	0.2	0.4	0.3		
Dentistry	Interior	1,025		7		8	1,040	2	1,042
	Fraser		227	2	1		230	1	231
	Vancouver Coastal		1	50			51	0	51
	Vancouver Island	3		21	1,296	2	1,322	8	1,330
	Northern	10		2	1	720	733	3	736
	PHSA	24	848	310	17	36	1,235	355	1,590
	Total	1,062	1,076	392	1,315	766	4,611	369	4,980
	% treated in home HA	97%	21%	92%	99%	94%	79%		
	Per 1,000 pop'n children	8.6	3.1	2.4	10.5	13.0	5.6		
General Surgery	Interior	267	2		3		272	3	275
	Fraser	1	365	2			368	1	369
	Vancouver Coastal	2	5	101			108	1	109
	Vancouver Island	2	3	2	530		537	9	546
	Northern	2		1		159	162	3	165
	PHSA	138	557	313	47	73	1,128	5	1,133
	Total	412	932	419	580	232	2,575	22	2,597
	% treated in home HA	65%	39%	99%	91%	69%	67%		
	Per 1,000 pop'n children	3.3	2.7	2.5	4.6	3.9	3.1		
Gynaecology	Interior	67				2	69		69
	Fraser	1	23				24		24
	Vancouver Coastal			11			11		11
	Vancouver Island		1		42		43	2	45
	Northern					12	12		12

Procedure MD	HA of Treating Hospital	Child's Home Residence							Total, incl Other
		Interior	Fraser	Van Coastal	Van Island	Northern	Total, excl Other	Other	
	PHSA	4	32	18	1	1	56		56
	Total	72	56	29	43	15	215	2	217
	% treated in home HA	93%	41%	100%	98%	80%	80%		
	Per 1,000 pop'n children	0.6	0.2	0.2	0.3	0.3	0.3		
Neurosurgery	Interior	2					2		2
	Fraser		3				3		3
	Vancouver Coastal	2	1				3		3
	Vancouver Island				2		2		2
	Northern						0		0
	PHSA	19	84	38	20	24	185	2	187
	Total	23	88	38	22	24	195	2	197
	% treated in home HA	9%	3%	100%	9%	0%	23%		
Ophthalmology	Interior	35					35	1	36
	Fraser		11			1	12		12
	Vancouver Coastal		8	17		1	26		26
	Vancouver Island			4	144	2	150		150
	Northern					6	6		6
	PHSA	44	420	199	46	39	748	26	774
	Total	79	439	220	190	49	977	27	1,004
	% treated in home HA	44%	3%	98%	76%	12%	42%		
Oral Surgery	Interior	28	1			1	30		30
	Fraser	1	90	6		3	100		100
	Vancouver Coastal		7	1			8		8
	Vancouver Island		1	1	239		241	1	242
	Northern					45	45	2	47
	PHSA	2	116	65	2	4	189	3	192
	Total	31	215	73	241	53	613	6	619
	% treated in home HA	90%	42%	90%	99%	85%	76%		
Orthopaedic Surgery	Interior	467	9	3	2		481	15	496
	Fraser	3	435	8			446	4	450
	Vancouver Coastal	5	22	141	1		169	2	171
	Vancouver Island	1		8	392	1	402	3	405
	Northern	1				217	218	3	221
	PHSA	76	478	250	73	57	934	9	943
	Total	553	944	410	468	275	2,650	36	2,686
	% treated in home HA	84%	46%	95%	84%	79%	72%		
Otolaryngology	Interior	601	1	1	1	1	605	2	607
	Fraser	1	635	50	1		687	1	688
	Vancouver Coastal		34	117			151		151
	Vancouver Island	3	1	7	472		483	5	488
	Northern	3	3	1		179	186		186
	PHSA	51	306	192	39	42	630	13	643
	Total	659	980	368	513	222	2,742	21	2,763
	% treated in home HA	91%	65%	84%	92%	81%	80%		
Plastic Surgery	Interior	110	1	2		1	114	2	116
	Fraser	5	99	3	4	1	112		112
	Vancouver Coastal	1	4	23	1		29		29

Procedure MD	HA of Treating Hospital	Child's Home Residence							
		Interior	Fraser	Van Coastal	Van Island	Northern	Total, excl Other	Other	Total, incl Other
	Vancouver Island	1	1	4	166		172	1	173
	Northern			1	1	46	48		48
	PHSA	41	208	119	25	22	415	4	419
	Total	158	313	152	197	70	890	7	897
	% treated in home HA	70%	32%	93%	84%	66%	63%		
	Per 1,000 pop'n children	1.3	0.9	0.9	1.6	1.2	1.1		
Radiology	Interior	70		1			71		71
	Fraser	1	20				21		21
	Vancouver Coastal	4	2	7	6		19		19
	Vancouver Island				54		54		54
	Northern					16	16		16
	PHSA	142	552	291	116	102	1,203	19	1,222
	Total	217	574	299	176	118	1,384	19	1,403
	% treated in home HA	32%	3%	100%	31%	14%	33%		
	Per 1,000 pop'n children	1.8	1.7	1.8	1.4	2.0	1.7		
Urology	Interior	114	1				115	1	116
	Fraser		146	3			149		149
	Vancouver Coastal	1	21	23	3		48	2	50
	Vancouver Island				181		181		181
	Northern					29	29		29
	PHSA	76	378	198	24	48	724	8	732
	Total	191	546	224	208	77	1,246	11	1,257
	% treated in home HA	60%	27%	99%	87%	38%	55%		
	Per 1,000 pop'n children	1.5	1.6	1.4	1.7	1.3	1.5		
All Procedures	Interior	2,790	15	14	6	13	2,838	26	2,864
	Fraser	13	2,062	74	6	5	2,160	7	2,167
	Vancouver Coastal	15	105	493	15	1	629	5	634
	Vancouver Island	10	7	47	3,525	6	3,595	29	3,624
	Northern	16	3	5	2	1,433	1,459	11	1,470
	PHSA	656	4,118	2,076	431	471	7,752	455	8,207
	Total	3,500	6,310	2,709	3,985	1,929	18,433	533	18,966
	% treated in home HA	80%	33%	95%	88%	74%	67%		
	Per 1,000 pop'n children	28.3	18.2	16.3	31.8	32.7	22.5		

Appendix 5: 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 ¹¹	Child & Youth MH Beds	Youth SU Beds ^{12, 13}	Total Ped Beds	NICU Beds
Island HA	Campbell River	3					3	
	Comox Valley	3					3	
	Cowichan District (Duncan)	4					4	
	Ledger House (Victoria)				14 ¹⁴		14	
	Nanaimo Regional	8					8	9
	Victoria General	20 (24) ¹⁵		5			25	22
	Victoria Youth Empowerment Society Specialized Youth Detox					5 ¹⁶	5	
NHA	Nechako Centre (Prince George)					8 ¹⁷	8	
	University Hosp of Northern B.C.	12 ¹⁸			6 ¹⁹		18	9
PHSA	B.C. Children's Hospital	97		22	54 ²⁰		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.

¹¹ Beds have capacity for invasive monitoring, inotropic drugs, and mechanical ventilation.

¹² Excludes beds in home-based settings and supportive recovery beds.

¹³ 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.

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

¹⁵ Planned seasonal increase to 24 beds Oct-April. 4 beds available with increased safety and monitoring for mental health.

¹⁶ Short-term residential withdrawal management program, ages 13-18

¹⁷ Includes 1 detox bed.

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

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

²⁰ 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.