

SETTING
THE STAGE

MENTAL HEALTH SERVICES FOR CHILDREN AND YOUTH

DRAFT

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Mental Health & Substance Use Services for Children and Youth: Setting the Stage for Tiers Development

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HOW TO CITE THE MENTAL HEALTH SERVICES FOR CHILDREN AND YOUTH MODULE:

We encourage you to share these documents with others & 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:

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Mental Health & Substance Use Services for Children and Youth: Setting the Stage for Tiers Development

The Tiers of Service modules for Mental Health (MH) and Substance Use (SU) Services for Children and Youth are made up of three components:

1. *Setting the Stage for Tiers Development (this document)*
2. Tiers in Brief to Support System Planning (high-level description of the tiers, including responsibilities and requirements)
3. Tiers in Full to Support Operational Planning (detailed description of the responsibilities and requirements at each tier)

1.0 Providers of MH & SU Services for Children and Youth

Mental health and substance use services for children and youth are provided by psychiatrists (mainly child and adolescent psychiatrists), mental health clinicians (which may include psychologists, social workers, clinical counselors, nurses), psychologists, counsellors, addiction specialists and pediatricians, in partnership with family physicians (FPs), nurse practitioners (NPs), nurses, allied health, Indigenous providers and other members of the health care team. Children/youth and parents are also considered important members of the team and this assumption is relevant throughout this document.

Child & Adolescent Psychiatrists

A child and adolescent psychiatrist is a physician who specializes in the diagnosis and the treatment of disorders of thinking, feeling and/or behavior affecting children, adolescents, and their families. It is recognized by the Royal College of Physicians and Surgeons (RCPS) as a sub-specialty of psychiatry. Based on a recent survey (35% response rate), BC has approximately 65-85 child and adolescent psychiatrists, with the highest number of approximately 42 (about 56%) located in Vancouver (including BC Children's Hospital), and lowest number in the Northern Health Authority. Most are practicing in urban settings (primarily in the Lower Mainland) in community mental health, hospitals and/or private practice. The ratio of child & adolescent psychiatrists per child/adolescent in BC is 1:12,000 (the recommended ratio as per the Canadian Psychiatric Association is 1:3,800). See Table 1.

Table 1: BC Child & Adolescent Psychiatrists Distribution by Health Authority

HA	Child & Adolescent Psychiatrists (+/- RCPS Exam ¹) (estimated)	General Psychiatrist Whose Practice (10-30%) includes Children & Youth (estimated)	Population, Children/Youth	Children/Youth Ages 0 - 18.9 Yrs	
				# Child & Adolescent Psychiatrist (CAP) per Child/Youth	# CAP + General Psychiatrists per Child/Youth
Interior Health	6	15	132,760	1:22,127	1:6,322
Fraser Health	11	21	368,985	1:33,544	1:11,531
Vancouver Coastal	25	21	194,761	1:6,283	1:2,823
PHSA - BCCH	17	6			
Island Health	10	6	132,197	1:13,220	1:8,262
Northern Health	1	9	67,780	1:16,945	1:16,945
Total BC	70	78	896,483	1:12,281	1:5,937

Source: Estimates extrapolated from Davidson, J. Child and Adolescent Psychiatrist Survey Results, 2016.

¹ Those who identify as having child & adolescent psychiatry training which includes those who have subspecialty training in child & adolescent psychiatry.

Mental Health Clinicians

Clinicians in mental health have degrees in Social Work, Counseling Psychology, Child & Youth Care or Nursing with a specialized focus (continuing education and experience) in mental health and substance use. Psychologists are also included as mental health clinicians. Clinicians may be accessed privately, in hospitals or assessment/treatment centres, or through community services such as a Child & Youth Mental Health Team. Children and youth with mental health issues are primarily seen and have their care managed by a mental health clinician, who may consult with a child psychiatrist, pediatrician or multi-disciplinary team as needed. Mental Health Clinicians also have the capacity to provide care to children, youth and their families who have concurrent substance use issues. Mental health clinicians are trained in a variety of therapeutic modalities in order to engage and improve health and resiliency of children, youth and their families.

See Appendix 1 for a map of the locations of Ministry of Child and Family Development (MCFD) Child & Youth Mental Health Teams in BC.

Addictions Specialists & Counselors

An addiction specialist is a physician and/or a psychiatrist, who has demonstrated by education, experience, and examination the requisite knowledge and skills to provide prevention, screening, intervention and treatment for substance use and addiction. Addictions counselors may have completed college or university training, in addition to a certificate in addictions and related experience in the field. Children, youth and their families experiencing substance use issues are primarily seen in their community, and have their care managed by an addictions counselor, who may consult with an addictions specialist, psychiatrist, pediatrician, or multi-disciplinary team as needed.

Pediatricians and Family Physicians

There are an estimated 175 general pediatricians, 5,852 family medicine physicians and 315 nurse practitioners in BC, many of whom provide care to children and youth with mental health and substance use issues. Refer to the medical module for details.

2.0 Utilization of Hospital-based Services by Children and Youth for MH & SU Reasons

This section provides provincial-level data on the utilization of hospital-based services by children and youth for MH & SU reasons. Data is for children and youth aged 0 - 18.9 unless otherwise stated.

Data is available for children and youth utilizing BC's Emergency Departments (EDs) and inpatient services. Unfortunately no comparable provincial-level data exists for community-based MH & SU services (including services provided by the Ministry of Child and Family Development) or hospital ambulatory services.

Data sources used for this section include:

1. ED data:

- a. Health Authorities Management Information System (HAMIS) reporting tool
 - Provides numbers of visits for the 109 hospitals in BC providing ED care. Data which breaks down the number of visits by age or other variables is not available.
- b. National Ambulatory Care Reporting System (NACRS).
 - Provides detailed information about ED visits for all participating hospitals (e.g., age and type of presenting complaint).
 - NACRS data is available for 29 sites in BC. In 2015/16, these 29 sites represented 27% of the 109 EDs in BC and 67% of the total ED visits to BC hospitals.
 - NACRS participating sites include: 2/60 of the T1 EDs, 11/29 of the T2 EDs, 13/17 of the T3 EDs and 1/1 for each of the T4, T5 and T6 EDs (total 29 EDs).

2. Inpatient data:

- The Discharge Abstract Database (DAD) reporting tool is utilized by all hospitals in BC to report inpatient discharges.

Highlights of the data are provided in the next section. Detailed data and a visual representation (map) are available in Appendices 2 - 6. Appendix 7 provides a list of hospitals with HA operated designated pediatric beds (including MH & SU beds).

2.1 ED Service Utilization

The presenting complaints listed below were utilized to capture "mental health and substance use" ED visits. The list was extracted from the presenting complaint field in the Canadian ED Information System Presenting Complaint List (v4.0, April 2016):

Mental Health (351-400)

- Depression/suicidal/deliberate self-harm
- Anxiety/situational crisis
- Hallucinations/delusions
- Insomnia
- Violent/homicidal behaviour
- Social problem
- Bizarre behaviour
- Concern for patient's welfare
- Pediatric disruptive behaviour

Gastrointestinal (251–300)

- Anorexia*

Substance Misuse (751–800)

- Substance misuse/intoxication
- Overdose ingestion
- Substance withdrawal

*Could be GI, mental health or other reasons. There is no "eating disorder" category.

2.1.1 ED Visits for MH & SU Reasons

2.1.1.2 Total ED Visits, Pediatric ED Visits & Pediatric MH & SU ED Visits (all hospitals)

In 2015/16, there were approximately 2.35 million visits to EDs in B.C. hospitals (HAMIS data). Percentages from the 2015/16 NACRS data were applied to the 2015/16 BC ED visit data to help understand the utilization of EDs by children and youth ages 0 – 18.9, including children and youth presenting with MH or SU complaints.

The HAMIS/NACRS data suggests:

- There are an estimated 419,000 pediatric visits (children and youth ages 0 - 18.9 years) to BC EDs each year (~1,050 visits per day). This represents 18% of total ED visits.
- There are an estimated 16,000 pediatric visits each year that present with a MH or SU complaint (44 visits per day). This represents 4% of total pediatric ED visits (<1% of total ED visits).
- Of the pediatric visits with MH & SU complaints, two-thirds presented with a MH complaint.
- See Table 3 for HA level data and Appendix 2 for hospital-level data.

Table 2: Total ED Visits, Pediatric ED Visits (estimates) & Pediatric MH & SU ED Visits (estimates), All Hospitals, 2015/16

HA	Total ED & Pediatric ED Visits			Pediatric MH & SU ED Visits			
	ED Visits (Pediatrics & Adult)	Est Pediatric ED Visits	% Ped ED Visits/Total Visits	Est Ped MH ED Visits	Est Ped SU ED Visits	Est Ped MH&SU ED Visits	% MH&SU ED Visits/Total Ped Visits
IHA	494,417	86,191	17%	2,236	1,145	3,380	4%
FHA	700,945	129,913	19%	2,872	1,585	4,457	3%
VCH	429,610	40,901	10%	1,091	717	1,808	4%
Is H	395,973	63,489	16%	2,072	977	3,049	5%
NHA	283,190	50,825	18%	1,482	687	2,170	4%
PHSA	48,612	48,130	99%	979	240	1,219	3%
Total	2,352,747	419,450	18%	10,731	5,352	16,083	4%

Notes re Table 3:

1. Total ED visits (adults, youth & children) were based on 2015/16 HAMIS data.
2. Estimated pediatric ED visits were based on 2015/16 NACRS data for sites where NACRS data was available. Where NACRS data was not available, the provincial average for pediatric ED/total ED visits was utilized (excludes "outlier sites" as listed in Appendix 2).
3. Estimated pediatric MH & SU ED visits were based on 2015/16 NACRS data for sites where NACRS data was available. Where NACRS data was not available, the provincial averages for pediatric MH/pediatric ED visits, pediatric SU/pediatric ED visits and pediatric MH&SU visits/pediatric ED visits were utilized (excludes "outlier sites" as listed in Appendix 2).

2.1.1.3 ED Visits by Children and Youth with a MH or SU Complaint by Age (NACRS reporting hospitals)

The majority (53%) of children and youth presenting to the ED with a MH or SU complaint were aged 16 - 18.9 years. 19% of children and youth are in this age group.

The lowest proportion (7%) of children and youth presenting to the ED with a MH or SU complaint were aged 6 - 11.9 years (10% of MH visits and 2% of SW visits). 23% of children and youth are in this age group.

Table 3: ED Visits by Children and Youth with a MH or SU Complaint by Age, NACRS Reporting Hospitals, 2015/16

Age	BC Population		Pediatric ED Visits		Ped MH Visits			Ped SU Visits			Total Ped MH&SU Visits		
	#	%	#	% by Age	#	% Ped ED Visits	% Ped MH ED Visits	#	% Ped ED Visits	% Ped SU ED Visits	#	% Ped ED Visits	% Ped MH&SU ED Visits
0 - 5.9	267,582	30%	123,615	44%	164	<1%	2%	735	<1%	21%	899	<1%	8%
6 - 11.9	272,401	30%	64,135	23%	711	1%	10%	58	<1%	2%	769	1%	7%
12 - 15.9	189,548	21%	44,382	16%	2,594	6%	36%	868	2%	24%	3,462	8%	32%
16 - 18.9	166,952	19%	48,531	17%	3,810	8%	52%	1,907	4%	53%	5,717	12%	53%
Total	896,483	100%	280,663	100%	7,279	3%	100%	3,568	1%	100%	10,847	4%	100%

2.1.1.4 ED Visits by Children and Youth with a MH or SU Complaint by Complaint Type (NACRS reporting hospitals)

The most common type of MH & SU complaint was depression/suicidal/deliberate self harm (39%). Another 32% were for reasons of overdose and substance misuse/intoxication.

Table 4: ED Visits by Children and Youth with a MH & SU Complaint, Ages 0 - 18.9 Yrs, NACRS Reporting Hospitals, 2015/16

Presenting Complaint	Ped ED Visits	% MH&SU/ Total Ped ED Visits
Depression/suicidal/deliberate self harm	4,202	39%
Overdose ingestion (includes poisons)	1,747	16%
Substance misuse /intoxication	1,743	16%
Anxiety /situational crisis	1,139	11%
Bizarre behaviour	536	5%
Concern for patient's welfare	353	3%
Pediatric disruptive behaviour	348	3%
Violent/homicidal behaviour	285	3%
Hallucinations/delusions	209	2%
Social problem	136	1%
Substance withdrawal	60	1%
Anorexia	60	1%
Insomnia	29	0%
Total	10,847	100%

2.1.1.5 ED Visits by Children and Youth with a MH or SU Complaint by ED Tier of Service (NACRS reporting hospitals)

The proportion of children and youth presenting with a MH or SU complaint was highest at the T1 EDs (n=2) and lowest at the T6 ED. The percentage at the other tiers was relatively similar.

Table 5: Proportion of ED Visits by Children and Youth with a MH or SU Complaint by ED Tier of Service, Ages 0 - 18.9 Yrs, NACRS Reporting Hospitals, 2015/16

Tier	# Sites	Ped ED Visits		Ped MH Visits			Ped SU Visits			Total Ped MH/SU Visits		
		#	Avg Per Site	#	Avg Per Site	% Ped ED Visits	#	Avg Per Site	% Ped ED Visits	#	Avg Per Site	% Ped ED Visits
T1	2	3,383	1,692	189	95	5.6%	141	71	4.2%	330	165	9.8%
T2	11	53,684	4,880	1,277	116	2.4%	837	76	1.6%	2,114	192	3.9%
T3	13	121,608	9,354	3,340	257	2.7%	1,694	130	1.4%	5,034	387	4.1%
T4	1	13,962	13,962	557	557	4.0%	231	231	1.7%	788	788	5.6%
T5	1	39,896	39,896	937	937	2.3%	425	425	1.1%	1,362	1,362	3.4%
T6	1	48,130	48,130	979	979	2.0%	240	240	0.5%	1,219	1,219	2.5%
Total	29	280,663	9,678	7,279	251	2.6%	3,568	123	1.3%	10,847	374	3.9%

See Appendix 3 for a listing of ED visits for MH & SU reasons by ED Tier of Service and type of presenting complaint.

2.1.2 ED Admissions to Hospital for MH and SU Reasons

2.1.2.1 ED Admissions to Hospital for MH & SU Reasons (NACRS reporting hospitals)

~22% of children and youth who presented with a MH or SU complaint were admitted to hospital. This compares to an average of 5% for children and youth presenting with all types of conditions.

A higher percentage of children and youth presenting with a MH complaint were admitted to hospital than with a SU complaint (26% vs 14%).

Table 6: Pediatric ED Admissions & Pediatric MH & SU Admissions, Ages 0 - 18.9 Yrs, NACRS Reporting Hospitals, 2015/16

HA	Pediatric Visits/Admissions			Pediatric MH Visits/Admissions			Pediatric SU Visits/Admissions			Pediatric MH&SU Visits/Admissions		
	# Visits	# Admissions	% Admissions	# Visits	# Admissions	% Admissions	# Visits	# Admissions	% Admissions	# Visits	# Admissions	% Admissions
IHA	23,964	1,331	6%	709	260	37%	363	65	18%	1,072	325	30%
FHA	129,913	4,338	3%	2,872	675	24%	1,585	216	14%	4,457	891	20%
VCH	26,448	1,033	4%	716	220	31%	525	26	5%	1,241	246	20%
Is H	43,505	2,427	6%	1,613	415	26%	727	114	16%	2,340	529	23%
NHA	8,703	370	4%	390	132	34%	128	33	26%	518	165	32%
PHSA	48,130	3,495	7%	979	208	21%	240	46	19%	1,219	254	21%
Total	280,663	12,994	5%	7,279	1,910	26%	3,568	500	14%	10,847	2,410	22%

2.1.2.2 ED Admissions to Hospital for MH & SU Reasons by Age (NACRS reporting hospitals)

Admissions from ED for MH & SU reasons were most common in youth aged 12 - 15.9 and 16 - 18.9. Admissions for MH & SU reasons accounted for 37% and 45% of all pediatric ED admissions in these age groups. See Appendix 4 for hospital-level data.

Table 7: Proportion of Admissions via ED with MH & SU Presenting Complaint by Age Group

Age	Pediatric ED Admissions		Pediatric MH Admissions			Pediatric SU Admissions			Pediatric MH&SU Admissions		
	#	% Ped ED Admissions	#	% in Age Group	% Ped MH Admissions	#	% in Age Group	% Ped MH Admissions	#	% in Age Group	% Ped MH Admissions
0 to 5.9	5,315	41%	7	0%	0%	43	9%	1%	50	2%	1%
6 to 11.9	2,307	18%	107	6%	5%	7	1%	0%	114	5%	5%
12 to 15.9	2,337	18%	697	36%	30%	175	35%	7%	872	36%	37%
16 to 18.9	3,035	23%	1,099	58%	36%	275	55%	9%	1,374	57%	45%
Grand Total	12,994	100%	1,910	100%	15%	500	100%	4%	2,410	100%	19%

2.2 Inpatient Utilization

2.2.1 Inpatient Discharges for MH & SU Reasons

This section includes 2015/16 inpatient discharges in which a mental health condition was identified as the most responsible diagnosis - i.e., any ICD-10 code starting with "F". This includes the following:

Code Description

F00-F09	Organic, including symptomatic, mental disorders.
F10-F19	Mental and behavioral disorders due to psychoactive substance abuse.
F20-F29	Schizophrenia, schizotypal and delusional disorders.
F30-F39	Mood (affective) disorders.
F40-F48	Neurotic, stress-related and somatoform disorders.
F50-F59	Behavioral syndromes associated with physiological disturbances and physical factors*
F60-F69	Disorders of adult personality and behavior
F70-F79	Mental retardation
F80-F89	Disorders of psychological development
F90-F98	Behavioral emotional disorders with onset usually occurring in childhood or adolescence
F99-F99	Unspecified mental disorder (F99)

*Includes eating disorders, anorexia nervosa, atypical anorexia nervosa, bulimia nervosa, atypical bulimia nervosa, overeating associated with other psychological disturbances, vomiting associated with other psychological disturbances and other eating disorders (Pica, psychogenic loss of appetite).

Source: https://www.cihi.ca/en/icd_10_ca_vol1_2009_en.pdf

2.2.1.1 Inpatient Discharges with a MH Condition by Most Responsible Physician and Age

A MH condition was identified as the most responsible diagnosis for 3,389 inpatient discharges in 2015/16 (an average of 9 per day). A psychiatrist or pediatric psychiatrist was the most responsible physician (MRP) for 2,648 (78%) of these children and youth and a family physician or pediatrician for 627 (19%).

54% of discharges were youth aged 16 - 18.9 yrs (18% of children and youth are in this age group) and 38% were aged 12 - 15.9 yrs (21% of children and youth are in this age group).

Table 8: Inpatient Discharges, Children and Youth with a MH Condition as the Most Responsible Diagnosis by MRP, Ages 0 - 18.9 Yrs, 2015/16

Most Responsible Physician	MH Discharges					% Total Pediatric MH & SU Discharges
	Age				Total	
	0 - 5.9	6 - 11.9	12 - 15.9	16 - 18.9		
Psychiatry	1	46	656	1363	2066	61%
Paediatric Psychiatry	1	134	290	157	582	17%
Family Practice/General Practice		7	132	184	323	10%
Paediatrics	2	45	165	92	304	9%
Emergency Medicine		1	20	21	42	1%
Paediatric Neurology	2	14	8	6	30	1%
Adolescent Medicine			7	5	12	0%
Internal Medicine			2	9	11	0%
Obstetrics & Gynaecology			3	3	6	0%
Geriatric Medicine				4	4	0%
Physical Medicine & Rehabilitation		1	1		2	0%
Critical Care Medicine			1	1	2	0%
Neonatal-Perinatal Medicine			1		1	0%
Pediatric Hematology/Oncology				1	1	0%
Paediatric Neurosurgery			1		1	0%
Neurology				1	1	0%
Paediatric Respiriology		1			1	0%
Total	6	249	1,287	1,847	3,389	100%
% Total Discharges	<1%	7%	38%	54%	100%	
Population, 0 to 18.9 yrs	267,773	275,604	188,393	164,183	895,953	
% Population, 0 to 18.9 yrs	30%	31%	21%	18%	100%	

Details of inpatient discharges for MH & SU reasons by hospital, MRP and age of child is available in Appendix 5. Appendix 6 provides the distribution of inpatient discharges across BC in a map format.

2.2.1.2 Inpatient Discharges and Types of MH Conditions

Depressive episode, reaction to severe stress/adjustment disorders and other anxiety disorders were responsible for 45% of inpatient discharges. Depressive episodes were the most common.

Table 9: Inpatient Discharges, Children and Youth with a MH Condition by Type of Condition, Ages 0 - 18.9 Yrs, 2015/16

Most Responsible Diagnosis Category	Discharges		Days	
	#	%	#	%
Depressive episode	713	21%	5,463	17%
Reaction to severe stress, and adjustment disorders	531	16%	2,806	9%
Other anxiety disorders	294	9%	2,657	8%
Specific personality disorders	154	5%	866	3%
Eating disorders	153	5%	4,773	15%
Unspecified nonorganic psychosis	146	4%	1,928	6%
Recurrent depressive disorder	128	4%	938	3%
Bipolar affective disorder	112	3%	2,182	7%
Hyperkinetic disorders	111	3%	1,362	4%
Unspecified mood [affective] disorder	106	3%	947	3%
Conduct disorders	88	3%	521	2%
Mental and behavioural disorders due to use of alcohol	87	3%	246	1%
Mental and behavioural disorders due to multiple drug use and use of other psychoactive substances	78	2%	340	1%
Pervasive developmental disorders	75	2%	993	3%
Mental and behavioural disorders due to use of cannabinoids	75	2%	557	2%
Schizophrenia	67	2%	1,776	5%

Most Responsible Diagnosis Category	Discharges		Days	
	#	%	#	%
Mental and behavioural disorders due to use of other stimulants, including caffeine	62	2%	307	1%
Dissociative [conversion] disorders	37	1%	153	0%
Persistent mood [affective] disorders	35	1%	458	1%
Obsessive-compulsive disorder	33	1%	435	1%
Disorders of social functioning with onset specific to childhood and adolescence	30	1%	549	2%
Schizoaffective disorders	23	1%	449	1%
Acute and transient psychotic disorders	22	1%	95	0%
Mixed disorders of conduct and emotions	21	1%	169	1%
Other behavioural and emotional disorders with onset usually occurring in childhood and adolescence	21	1%	215	1%
Somatoform disorders	18	1%	192	1%
Mental and behavioural disorders due to use of opioids	17	1%	78	0%
Other mood [affective] disorders	17	1%	183	1%
Specific developmental disorders of scholastic skills	11	0%	179	1%
Habit and impulse disorders	10	0%	29	0%
Other	114	3%	1,038	3%
Total	3,389	100%	32,884	100%

2.2.1.3 Inpatient Discharges by HA of Treating Hospital and HA of Child's Home Residence for Children and Youth with MH & SU Diagnoses

89% of children and youth with MH conditions were admitted to a hospital in their home HA. 83% of inpatient days were in a hospital within a child/youth's home HA.

The percentage of children and youth with MH conditions admitted to a hospital in their home HA ranged from 84% (FH) to 97% (Island Health). The percentage of inpatient days ranged from 70% (FH) to 97% (VCH).

32% of discharges and 27% of inpatient days were to a hospital in FH while 10% of discharges and 11% of inpatient days were to a hospital in NH. 14% of discharges and 28% of days were to C&W.

Table 10: Inpatient Discharges, Children and Youth with a MH Condition by HA of Treating Hospital & HA of Child's Home Residence, Ages 0 - 18.9 Yrs, 2015/16

HA of Treating Hospital	HA of Child's Home Residence					Total, excl Unkn	Unknown	Total	% Prov D/C'es
	IHA	FHA	VCHA	VIHA	NHA				
Interior	783	5	2	2	5	797	7	804	24%
Fraser	1	908	24		1	934	15	949	28%
Vancouver Coastal	6	16	252	3		277	15	292	9%
PHSA (BCCH)	37	157	223	13	18	448	10	458	14%
Island Health	1		2	535	2	540	14	554	16%
Northern	2				325	327	5	332	10%
Total	830	1,086	503	553	351	3,323	66	3,389	100%
% D/C'es in Home HA	94%	84%	94%	97%	93%	89%			
% Prov D/C'es	24%	32%	15%	16%	10%	2%			
Pop'n, 0 to 18.9 Yrs	132,838	374,468	190,006	132,499	66,142	895,953			
% Pop'n, 0 to 18.9 Yrs	15%	42%	21%	15%	7%	100%			
D/C'es/1,000 Children & Youth	6.2	2.9	2.6	4.2	5.3	3.8			

Note:

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

Table 11: Inpatient Days, Children and Youth with a MH Condition by HA of Treating Hospital & HA of Child's Home Residence, Ages 0 - 18.9 Yrs, 2015/16

HA of Treating Hospital	HA of Child's Home Residence					Total, excl Unkn	Unknown	Total	% Prov Days
	IHA	FHA	VCHA	VIHA	NHA				
Interior	5,516	14	3	13	22	5,568	20	5,588	17%
Fraser	1	6,351	82		1	6,435	112	6,547	20%
Vancouver Coastal	65	101	1,802	34		2,002	76	2,078	6%
PHSA	1,004	2,571	4,424	523	565	9,087	135	9,222	28%
Island Health	1		88	6,197	8	6,294	79	6,373	19%
Northern	3				3,002	3,005	71	3,076	9%
Total	6,590	9,037	6,399	6,767	3,598	32,391	493	32,884	100%
% Days in Home HA	84%	70%	97%	92%	83%	83%			
% Prov Days	20%	27%	19%	21%	11%	100%			
Pop'n, 0 to 18.9 Yrs	132,838	374,468	190,006	132,499	66,142	895,953			
% Pop'n, 0 to 18.9 Yrs	15%	42%	21%	15%	7%	100%			
Days/1,000 Children & Youth	50	24	34	51	54	37			

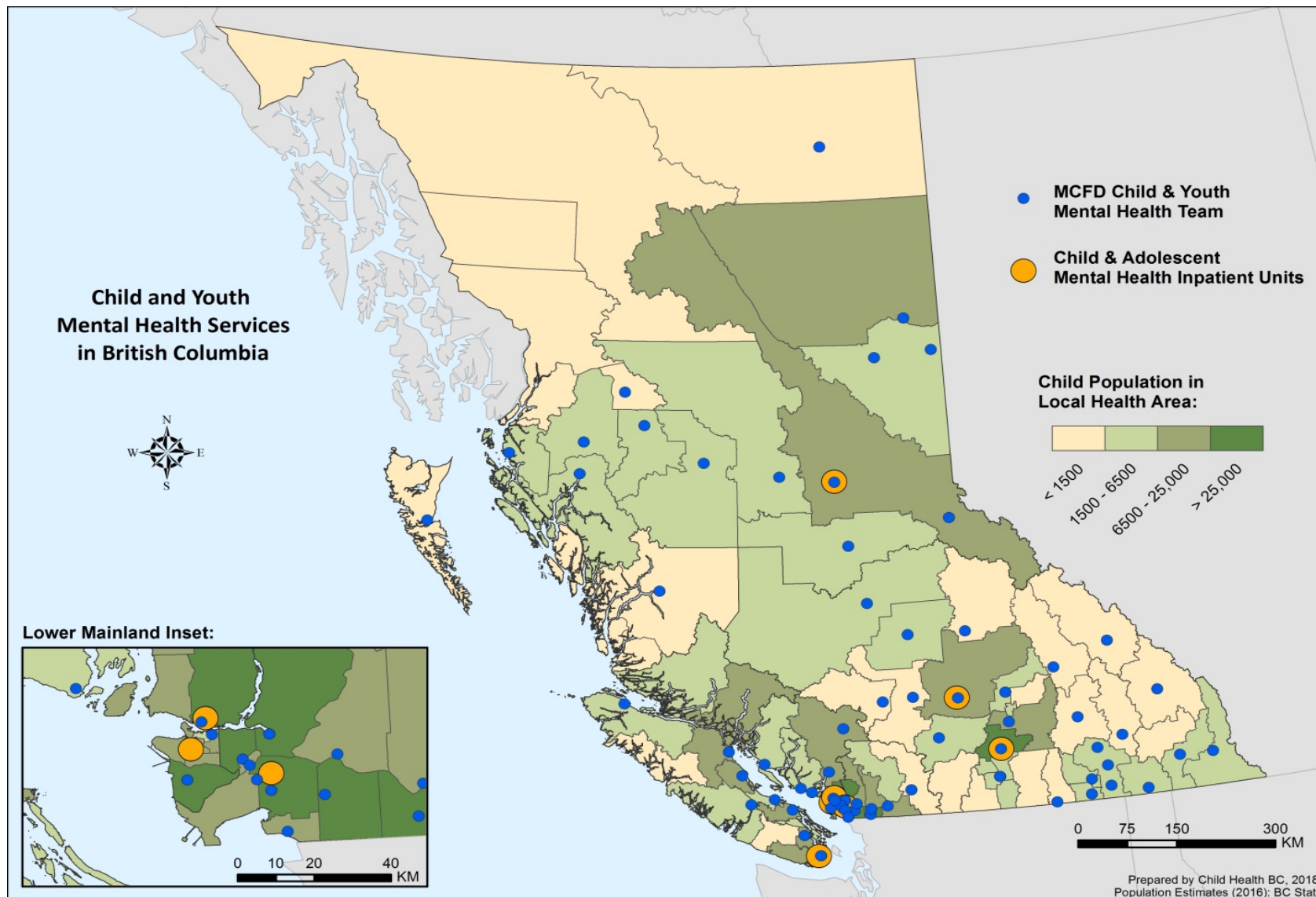
Note:

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

3.0 References

1. Health Authorities Management Information System (HAMIS) reporting tool, Ministry of Health, 2015/16
2. National Ambulatory Care Reporting System (NACRS), Canadian Institute for Health Information (CIHI), 2015/16.
3. Discharge Abstract Database (DAD) reporting tool, Canadian Institute for Health Information (CIHI), 2014/15.

Appendix 1: Map of MCFD Child & Youth Mental Health Teams in BC



Appendix 2: ED Visits for MH & SU Reasons by Hospital

- Includes children and youth ages 0 - 18.9 years.
- Total ED visits (adults, youth & children) were based on 2015/16 HAMIS data.
- Estimated pediatric ED visits were based on 2015/16 NACRS data for sites where NACRS data was available. Where NACRS data was not available, the provincial average for pediatric ED/total ED visits was utilized (excludes "outlier sites" as listed below).
- Estimated pediatric MH & SU ED visits were based on 2015/16 NACRS data for sites where NACRS data was available. Where NACRS data was not available, the provincial averages for pediatric MH/pediatric ED visits, pediatric SU/pediatric ED visits and pediatric MH&SU visits/pediatric ED visits were utilized (excludes "outlier sites" as listed below).
- "Outlier sites" excluded from the calculation of provincial averages were Vancouver General, St Paul's, Mt St Joseph's, Royal Jubilee and BC Children's Hospitals.
- Grey highlight = no inpatient beds; Yellow highlight = NACRS reporting site.

HSDA	Hosp Name	Total & Pediatric ED Visits			Pediatric MH & SU ED Visits			
		ED Visits (Pediatrics & Adult)	Est Pediatric ED Visits	% Ped ED Visits/Tot al Visits	Est Ped MH ED Visits	Est Ped SU ED Visits	Est Ped MH&SU ED Visits	% MH&SU ED Visits/Total Ped Visits
Interior Health Authority								
East Kootenay	Golden & District Hospital	7,915	1,409	18%	37	19	55	4%
	Creston Valley Hospital	15,447	2,750	18%	71	37	108	4%
	Elk Valley Hospital	12,920	2,301	18%	60	31	90	4%
	Sparwood Health Centre	4,559	812	18%	21	11	32	4%
	Invermere & District Hospital	11,953	2,128	18%	55	28	83	4%
	East Kootenay Regional Hospital	23,758	4,230	18%	110	56	166	4%
	Elkford Health Centre	1,285	229	18%	6	3	9	4%
Kootenay Boundary	Kootenay Lake Hospital	13,657	2,432	18%	63	32	95	4%
	Slocan Community Health Centre	2,014	359	18%	9	5	14	4%
	Victorian Community Health Centre of Kaslo	1,006	179	18%	5	2	7	4%
	Arrow Lakes Hospital	4,373	779	18%	20	10	31	4%
	Edgewood Health Centre	1,460	260	18%	7	3	10	4%
	Kootenay Boundary Regional Hospital	15,991	2,847	18%	74	38	112	4%
	Boundary Hospital	15,587	2,775	18%	72	37	109	4%
Okanagan	Castlegar & District Health Centre	10,577	1,883	18%	49	25	74	4%
	Vernon Jubilee Hospital	44,149	7,861	18%	204	104	308	4%
	Kelowna General Hospital	75,953	11,340	15%	385	219	604	5%
	Penticton Regional Hospital	36,688	6,533	18%	169	87	256	4%
	Princeton General Hospital	7,007	1,248	18%	32	17	49	4%
	South Okanagan General Hospital	18,151	3,232	18%	84	43	127	4%
Thompson Shuswap	South Similkameen Health Centre	2,723	485	18%	13	6	19	4%
	Royal Inland Hospital	68,986	12,624	18%	324	144	468	4%
	Queen Victoria Hospital	9,183	1,635	18%	42	22	64	4%
	Nicola Valley Hospital & Health Centre	13,420	2,390	18%	62	32	94	4%
	Shuswap Lake General Hospital	20,220	3,600	18%	93	48	141	4%
	St. Bartholomew's Health Centre	2,045	364	18%	9	5	14	4%
	Cariboo Memorial Hospital	21,170	3,769	18%	98	50	148	4%
	Ashcroft & District General Hospital	2,554	455	18%	12	6	18	4%
	Blue River Health Centre	680	121	18%	3	2	5	4%
	Alexis Creek Health Centre	1,784	318	18%	8	4	12	4%
	Lillooet Hospital & Health Centre	5,384	959	18%	25	13	38	4%
	Dr. Helmcken Memorial Hospital	3,683	656	18%	17	9	26	4%
	Logan Lake Health Centre	0	0	0%	0	0	0	0%
	Barriere Health Centre	1,479	263	18%	7	3	10	4%
	Chase & District Health Centre	4,218	751	18%	19	10	29	4%
100 Mile District General Hospital	12,438	2,215	18%	57	29	87	4%	
Total, IHA		494,417	86,191	17%	2,236	1,145	3,380	4%

HSDA	Hosp Name	Total & Pediatric ED Visits			Pediatric MH & SU ED Visits			
		ED Visits (Pediatrics & Adult)	Est Pediatric ED Visits	% Ped ED Visits/Tot al Visits	Est Ped MH ED Visits	Est Ped SU ED Visits	Est Ped MH&SU ED Visits	% MH&SU ED Visits/Total Ped Visits
Fraser Health Authority								
Fraser East	Chilliwack General Hospital	60,348	11,114	18%	308	162	470	4%
	Mission Memorial Hospital	20,124	3,192	16%	82	54	136	4%
	Fraser Canyon Hospital	10,351	1,802	17%	48	29	77	4%
	Abbotsford Regional Hospital	77,363	15,420	20%	458	161	619	4%
Fraser North	Royal Columbian Hospital	74,546	11,665	16%	333	120	453	4%
	Burnaby Hospital	82,824	10,741	13%	163	141	304	3%
	Eagle Ridge Hospital & Health Care Centre	51,412	9,619	19%	49	102	151	2%
	Ridge Meadows Hospital	38,715	7,258	19%	228	130	358	5%
Fraser South	Langley Memorial Hospital	46,586	7,624	16%	137	160	297	4%
	Surrey Memorial Hospital	152,939	39,896	26%	937	425	1,362	3%
	Peace Arch District Hospital	54,385	7,450	14%	92	66	158	2%
	Delta Hospital	31,352	4,132	13%	37	35	72	2%
Total, FHA		700,945	129,913	19%	2,872	1,585	4,457	3%
Vancouver Coastal Health Authority								
North Shore / Coast Garibaldi	Powell River General Hospital	18,427	3,281	18%	85	44	129	4%
	Lions Gate Hospital	63,570	9,582	15%	294	141	435	5%
	St. Mary's Hospital, Sechelt	15,793	2,812	18%	73	37	110	4%
	Squamish General Hospital	14,453	2,573	18%	67	34	101	4%
	Pemberton Health Centre	5,255	936	18%	24	12	37	4%
	Whistler Health Centre	21,513	3,831	18%	99	51	150	4%
	R.W. Large Memorial Hospital	2,784	496	18%	13	7	19	4%
	Bella Coola General Hospital	2,947	525	18%	14	7	21	4%
Richmond Vancouver	Richmond Hospital	54,770	8,094	15%	139	95	234	3%
	Vancouver General Hospital	94,348	1,846	2%	185	136	321	17%
	St. Paul's Hospital (Providence)	84,865	2,479	3%	90	142	232	9%
	Mount Saint Joseph's (Providence)	30,122	1,537	5%	4	5	9	1%
	U.B.C. Health Sciences Centre	20,763	2,910	14%	4	6	10	0%
Total, VCH		429,610	40,901	10%	1,091	717	1,808	4%
Vancouver Island Health Authority								
Central Van Island	Cowichan District Hospital	33,215	5,946	18%	152	91	243	4%
	Nanaimo Regional General Hospital	65,189	9,871	15%	330	149	479	5%
	Chemamus Health Care Centre	6,031	1,074	18%	28	14	42	4%
	Ladysmith Community Health Centre	15,993	2,848	18%	74	38	112	4%
	West Coast General Hospital	26,292	4,682	18%	121	62	184	4%
	Tofino General Hospital	6,109	1,088	18%	28	14	43	4%
	Oceanside Health Centre	25,121	4,473	18%	116	59	175	4%
	Bamfield Health Centre	1,289	230	18%	6	3	9	4%
North Van Island	St. Joseph's General Hospital	24,766	3,862	16%	100	51	151	4%
	Cormorant Island Health Centre	1,628	290	18%	8	4	11	4%
	Campbell River & District General Hospital	23,412	3,434	15%	89	46	135	4%
	Port Hardy Hospital	7,889	1,405	18%	36	19	55	4%
	Port McNeill & District Hospital	4,669	831	18%	22	11	33	4%
	Kyuquot Health Centre	883	157	18%	4	2	6	4%
	Port Alice Hospital	729	130	18%	3	2	5	4%
	Gold River Health Centre	3,020	538	18%	14	7	21	4%
South Van Island	Tahsis Health Centre	2,557	455	18%	12	6	18	4%
	Royal Jubilee Hospital	58,180	3,608	6%	307	115	422	12%
	Victoria General Hospital	57,872	13,962	24%	557	231	788	6%
	Lady Minto/Gulf Islands Hospital	10,025	1,785	18%	46	24	70	4%
Saannich Peninsula Hospital		21,104	2,822	13%	18	29	47	2%
Total, VIHA		395,973	63,489	16%	2,072	977	3,049	5%

HSDA	Hosp Name	Total & Pediatric ED Visits			Pediatric MH & SU ED Visits			
		ED Visits (Pediatrics & Adult)	Est Pediatric ED Visits	% Ped ED Visits/Tot al Visits	Est Ped MH ED Visits	Est Ped SU ED Visits	Est Ped MH&SU ED Visits	% MH&SU ED Visits/Total Ped Visits
Northern Health Authority					0	0	0	
Northeast	Fort St. John General Hospital	27,623	4,919	18%	128	65	193	4%
	Dawson Creek & District Hospital	24,820	4,419	18%	115	59	173	4%
	Fort Nelson General Hospital	6,610	1,177	18%	31	16	46	4%
	Chetwynd General Hospital	9,223	1,642	18%	43	22	64	4%
	Tumbler Ridge Health Centre	2,341	417	18%	11	6	16	4%
	Hudson's Hope Gething Health Centre	321	57	18%	1	1	2	4%
Northern Interior	St. John Hospital	10,914	1,943	18%	50	26	76	4%
	The University Hosp of Northern BC	46,627	8,703	19%	390	128	518	6%
	GR Baker Memorial Hospital	18,260	3,251	18%	84	43	128	4%
	Lakes District Hospital & Health Centre	13,328	2,373	18%	62	32	93	4%
	McBride & District Hospital	2,098	374	18%	10	5	15	4%
	Mackenzie & District Hospital	5,992	1,067	18%	28	14	42	4%
	Stuart Lake Hospital	5,919	1,054	18%	27	14	41	4%
	Valemount Health Centre	3,059	545	18%	14	7	21	4%
	Fraser Lake Health Centre	5,600	997	18%	26	13	39	4%
	Northwest	Stikine Health Centre	1,384	246	18%	6	3	10
Wrinch Memorial Hospital		8,283	1,475	18%	38	20	58	4%
Prince Rupert Regional Hospital		22,528	4,011	18%	104	53	157	4%
Bulkley Valley District Hospital		15,132	2,694	18%	70	36	106	4%
Queen Charlotte Islands General Hospital		3,806	678	18%	18	9	27	4%
Houston Health Centre		4,435	790	18%	20	10	31	4%
Stewart General Hospital		1,461	260	18%	7	3	10	4%
Mills Memorial Hospital		26,391	4,699	18%	122	62	184	4%
Atlin Health Centre		2,540	452	18%	12	6	18	4%
Kitimat General Hospital		11,736	2,090	18%	54	28	82	4%
Northern Haida Gwaii Hospita		2,759	491	18%	13	7	19	4%
Total, NHA		283,190	50,825	18%	1,482	687	2,170	4%
PHSA	BC Children's Hospital	48,612	48,130	99%	979	240	1,219	3%
Total, PHSA		48,612	48,130	99%	979	240	1,219	3%
GRAND TOTAL		2,352,747	419,450	18%	10,731	5,352	16,083	4%

Appendix 3: ED Visits for MH & SU Reasons by ED Tier of Service & Type of Presenting Complaint

- NACRS (CIHI Portal), 2015/16 data.
- Includes children and youth ages 0 - 18.9 years.
- Includes hospitals participating in NACRS only (29 hospitals).

Tier/ Presenting Complaint	Visits	% Visits for Tier
T1 ED	330	100%
Depression/Suicidal/deliberate self harm	116	35%
Substance misuse / Intoxication	111	34%
Anxiety / Situational crisis	38	12%
Overdose ingestion	30	9%
Bizarre behaviour	23	7%
Hallucinations/delusions	7	2%
Violent/homicidal behaviour	4	1%
Pediatric disruptive behaviour	1	0%
T2 ED	2,114	100%
Depression/Suicidal/deliberate self harm	712	34%
Substance misuse / Intoxication	486	23%
Overdose ingestion	336	16%
Anxiety / Situational crisis	258	12%
Bizarre behaviour	116	5%
Concern for patient's welfare	70	3%
Social problem	31	1%
Violent/homicidal behaviour	31	1%
Hallucinations/delusions	25	1%
Pediatric disruptive behaviour	22	1%
Substance withdrawal	15	1%
Anorexia	6	0%
Insomnia	6	0%
T3 ED	5,034	100%
Depression/Suicidal/deliberate self harm	2,047	41%
Overdose ingestion	854	17%
Substance misuse / Intoxication	787	16%
Anxiety / Situational crisis	546	11%
Bizarre behaviour	266	5%
Violent/homicidal behaviour	136	3%
Concern for patient's welfare	113	2%
Hallucinations/delusions	92	2%
Pediatric disruptive behaviour	75	1%
Social problem	52	1%
Substance withdrawal	35	1%
Anorexia	23	0%
Insomnia	8	0%

Tier/ Presenting Complaint	Visits	% Visits for Tier
T4 ED	788	100%
Depression/Suicidal/deliberate self harm	276	35%
Substance misuse / Intoxication	135	17%
Overdose ingestion	95	12%
Anxiety / Situational crisis	82	10%
Concern for patient's welfare	74	9%
Pediatric disruptive behaviour	48	6%
Violent/homicidal behaviour	24	3%
Hallucinations/delusions	20	3%
Bizarre behaviour	19	2%
Anorexia	8	1%
Insomnia	5	1%
Social problem	1	0%
Substance withdrawal	1	0%
T5 ED	1,362	100%
Depression/Suicidal/deliberate self harm	551	40%
Overdose ingestion	273	20%
Substance misuse / Intoxication	143	10%
Anxiety / Situational crisis	116	9%
Violent/homicidal behaviour	81	6%
Bizarre behaviour	72	5%
Hallucinations/delusions	39	3%
Social problem	26	2%
Concern for patient's welfare	22	2%
Pediatric disruptive behaviour	21	2%
Substance withdrawal	9	1%
Insomnia	5	0%
Anorexia	4	0%
T6 ED	1,219	100%
Depression/Suicidal/deliberate self harm	500	41%
Pediatric disruptive behaviour	181	15%
Overdose ingestion	159	13%
Anxiety / Situational crisis	99	8%
Substance misuse / Intoxication	81	7%
Concern for patient's welfare	74	6%
Bizarre behaviour	40	3%
Social problem	26	2%
Hallucinations/delusions	26	2%
Anorexia	19	2%
Violent/homicidal behaviour	9	1%
Insomnia	5	0%
Grand Total	10,847	-

Appendix 4: ED Admissions to Hospital for MH or SU Reasons

Children and youth ages 0 - 18.9 yrs

Source: NACRS, 2015/16

Health Authority/Site	ED Pediatric Admissions	ED MH Admissions		ED SU Admissions		ED MH&SU Admissions	
	#	#	% MH/Peds Admissions	#	% SU/Peds Admissions	#	% MH&SU/Peds Admissions
Interior Health	1,331	260	20%	65	5%	325	24%
Kelowna General Hospital	747	150	26%	44	6%	194	26%
Royal Inland Hospital	584	110	19%	21	4%	131	22%
Fraser Health	4,338	675	16%	216	5%	891	21%
Abbotsford Regional Hospital	931	181	19%	39	4%	220	24%
Burnaby Hospital	185	57	31%	19	10%	76	41%
Chilliwack General Hospital	135	60	44%	18	13%	78	58%
Delta Hospital	84	11	13%	2	2%	13	15%
Eagle Ridge Hospital	135	6	4%	13	10%	19	14%
Fraser Canyon Hospital	8	0	0%	0	0%	0	0%
Langley Memorial Hospital	431	30	7%	24	6%	54	13%
Mission Memorial Hospital	13	1	8%	0	0%	1	8%
Peace Arch Hospital	132	18	14%	8	6%	26	20%
Ridge Meadows Hospital	157	62	39%	19	12%	81	52%
Royal Columbian Hospital	649	95	15%	25	4%	120	18%
Surrey Memorial Hospital	1,478	154	10%	49	3%	203	14%
Vancouver Coastal Health	1,033	220	21%	26	3%	246	24%
Lions Gate Hospital	444	75	17%	8	2%	83	19%
Mount Saint Joseph Hospital	9	0	0%	0	0%	0	0%
St. Paul's Hospital	66	25	38%	2	3%	27	41%
The Richmond Hospital	328	56	17%	11	3%	67	20%
Vancouver General Hospital	186	64	34%	5	3%	69	37%
Vancouver Island HA	2,427	415	17%	114	5%	529	22%
Campbell River Hospital	96	1	1%	2	2%	3	3%
Cowichan District Hospital	252	39	15%	20	8%	59	23%
Nanaimo Regional Hospital	498	82	16%	30	6%	112	22%
Royal Jubilee Hospital	160	85	53%	10	6%	95	59%
Saanich Peninsula Hospital	10	0	0%	2	20%	2	20%
St Joseph's Hospital [Comox]	117	23	20%	8	7%	31	26%
Victoria General Hospital	1,294	185	14%	42	3%	227	18%
Northern Health	370	132	36%	33	9%	165	45%
University Hospital of N BC	370	132	36%	33	9%	165	45%
PHSA	3,495	208	6%	46	1%	254	7%
BC Children's Hospital	3,495	208	6%	46	1%	254	7%
Total	12,994	1,910	15%	500	4%	2,410	19%

Appendix 5: Inpatient Discharges for MH & SU Reasons by Hospital, Age of Child and Most Responsible Physician

Children and youth ages 0 - 18.9 years old

Source: 2015/16 data, Discharge Abstract Database (DAD)

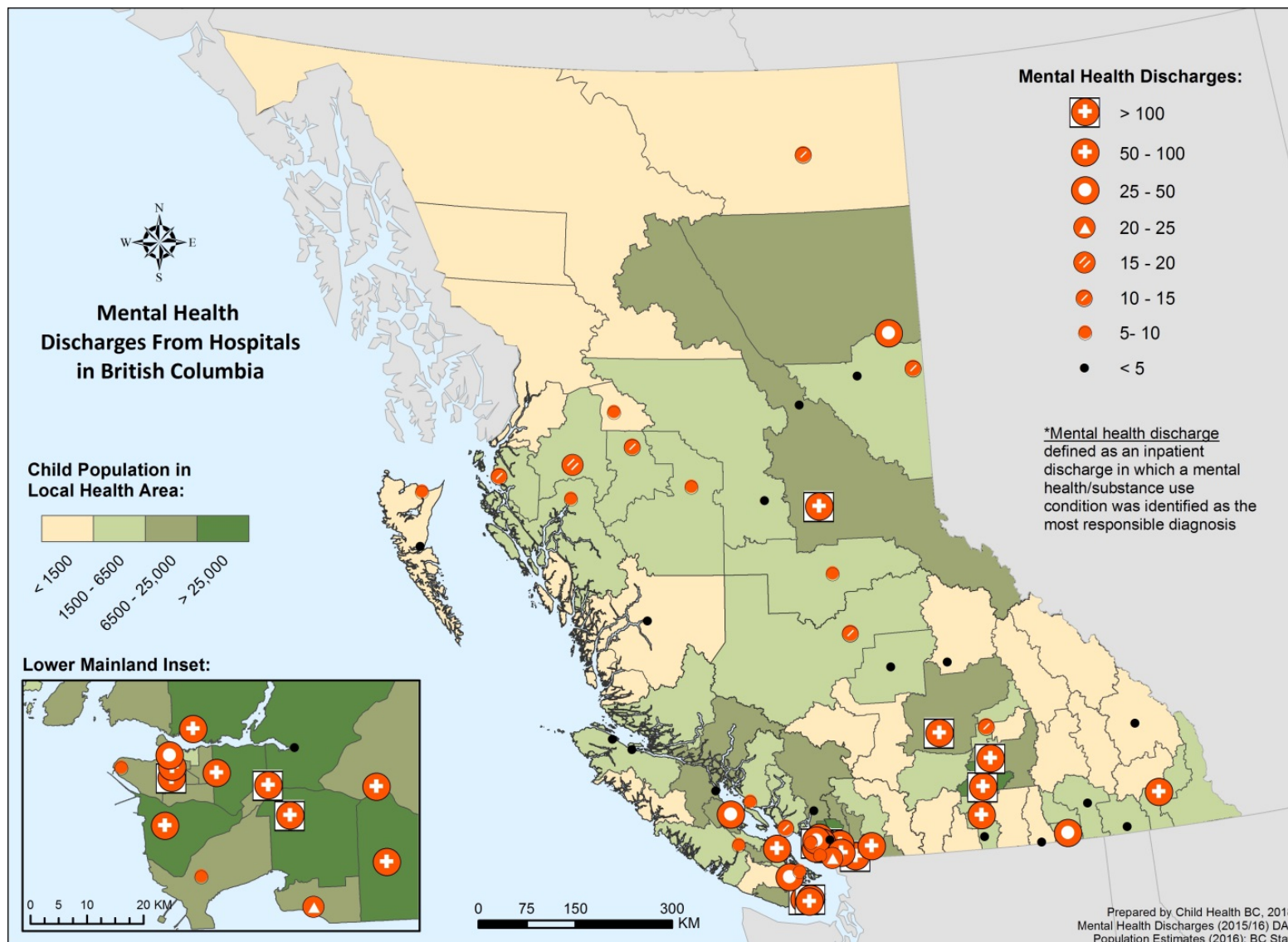
HA / Facility / Most Responsible Physician	Inpatient Discharges					Inpatient Days
	Age of Child					
	0 to 5.99	6 to 11.99	12 to 15.99	16 to 18.99	All Ages	
Interior		46	287	471	804	5,588
100 Mile District General Hospital			1		1	1
Other			1		1	1
Boundary Hospital		2		1	3	6
Other		2		1	3	6
Cariboo Memorial Hospital			7	6	13	20
Other			6	6	12	19
Psychiatry			1		1	1
Creston Valley Hospital				2	2	3
Other				2	2	3
Dr. Helmcken Memorial Hospital				1	1	1
Other				1	1	1
East Kootenay Regional Hospital			14	74	88	271
Other				19	19	72
Psychiatry			14	55	69	199
Invermere and District Hospital				1	1	1
Other				1	1	1
Kelowna General Hospital		13	78	142	233	3,154
General Pediatrics		3	8	12	23	260
Other				6	6	10
Psychiatry		10	70	124	204	2,884
Kootenay Boundary Regional Hospital		8	14	14	36	226
General Pediatrics		5	3		8	48
Other		3	3	4	10	46
Psychiatry			8	10	18	132
Kootenay Lake Hospital		1	1	2	4	5
Other		1	1	2	4	5
Penticton Regional Hospital		13	38	40	91	417
General Pediatrics		13	21	4	38	126
Other			1	1	2	3
Psychiatry			16	35	51	288
Royal Inland Hospital		4	83	100	187	891
General Pediatrics			2	3	5	63
Other			2	4	6	12
Psychiatry		4	79	93	176	816
Shuswap Lake General Hospital		1	5	7	13	20
Other		1	5	7	13	20
South Okanagan General Hospital			1	1	2	3
Other			1	1	2	3
Vernon Jubilee Hospital		4	45	80	129	569
General Pediatrics		1	3	1	5	19
Other			1	1	2	4
Psychiatry		3	41	78	122	546

	Inpatient Discharges					Inpatient Days
	Age of Child					
HA / Facility / Most Responsible Physician	0 to 5.99	6 to 11.99	12 to 15.99	16 to 18.99	All Ages	
Fraser		22	343	584	949	6,547
Abbotsford Regional Hospital and Cancer Centre		10	98	125	233	871
General Pediatrics			7	1	8	58
Other				2	2	2
Psychiatry		10	91	122	223	811
Burnaby Hospital			14	53	67	327
Other				2	2	2
Psychiatry			14	51	65	325
Chilliwack General Hospital		2	20	49	71	293
Other			1		1	1
Psychiatry		2	19	49	70	292
Delta Hospital			2	4	6	7
Other			2	4	6	7
Eagle Ridge Hospital		1	2	1	4	4
Other		1	2	1	4	4
Langley Memorial Hospital		1	13	37	51	248
General Pediatrics		1	5		6	81
Other				2	2	3
Psychiatry			8	35	43	164
Peace Arch District Hospital		1	9	12	22	113
Other				1	1	1
Psychiatry		1	9	11	21	112
Ridge Meadows Hospital And Health Care Centre			19	60	79	414
General Pediatrics			1		1	1
Other				4	4	25
Psychiatry			18	56	74	388
Royal Columbian Hospital		3	55	84	142	666
General Pediatrics			5	1	6	38
Other			1	5	6	10
Paediatric Medical Subspecialty			1		1	13
Psychiatry		3	48	78	129	605
Surrey Memorial Hospital		4	111	159	274	3,604
General Pediatrics		2	9	3	14	30
Other				5	5	37
Psychiatry		2	102	151	255	3,537
Vancouver Coastal		6	57	229	292	2,078
Bella Coola General Hospital				1	1	1
Other				1	1	1
Lions Gate Hospital		4	36	49	89	698
General Pediatrics			2	1	3	37
Other				2	2	2
Psychiatry		4	34	46	84	659
Powell River General Hospital				6	6	42
Other				4	4	36
Psychiatry				2	2	6
Richmond Hospital		1	15	53	69	291
General Pediatrics			1		1	2
Other				1	1	7
Psychiatry		1	14	52	67	282

	Inpatient Discharges					Inpatient Days
	Age of Child					
HA / Facility / Most Responsible Physician	0 to 5.99	6 to 11.99	12 to 15.99	16 to 18.99	All Ages	
Sechelt Hospital		1	6	5	12	45
Other			3	1	4	11
Psychiatry		1	3	4	8	34
Squamish General Hospital				3	3	6
Other				3	3	6
St. Paul's Hospital				28	28	309
Other				4	4	50
Psychiatry				24	24	259
UBC Health Sciences Centre				9	9	130
Psychiatry				9	9	130
Vancouver General Hospital				75	75	556
Psychiatry				75	75	556
Vancouver Island	1	46	240	267	554	6,373
Campbell River and District General Hospital			2	1	3	7
General Pediatrics			2		2	6
Other				1	1	1
Cowichan District Hospital			24	14	38	183
Other			16	4	20	36
Psychiatry			8	10	18	147
Lady Minto / Gulf Islands Hospital			6	3	9	31
Other			2	3	5	15
Psychiatry			4		4	16
Nanaimo Regional General Hospital		6	48	45	99	587
General Pediatrics		4	9	3	16	121
Other			27	19	46	79
Psychiatry		2	12	23	37	387
Port Hardy Hospital			1	1	2	2
Other			1	1	2	2
Port McNeill And District Hospital			1	1	2	5
Other			1	1	2	5
Queen Alexandra Centre for Children's Health		29	55	19	103	3,380
Psychiatry		29	55	19	103	3,380
Royal Jubilee Hospital	1			89	90	731
Other				7	7	54
Psychiatry	1			82	83	677
St. Joseph's General Hospital			13	19	32	237
General Pediatrics			1		1	1
Other			8	8	16	49
Psychiatry			4	11	15	187
Victoria General Hospital		11	89	66	166	1,168
General Pediatrics		10	77	55	142	993
Other				1	1	5
Psychiatry		1	12	10	23	170
West Coast General Hospital			1	9	10	42
General Pediatrics			1	1	2	3
Other				1	1	1
Psychiatry				7	7	38

HA / Facility / Most Responsible Physician	Inpatient Discharges					Inpatient Days
	Age of Child					
	0 to 5.99	6 to 11.99	12 to 15.99	16 to 18.99	All Ages	
Northern		9	145	178	332	3,076
Bulkley Valley District Hospital			4	8	12	36
General Pediatrics			1		1	2
Other			3	8	11	34
Burns Lake and District Hospital			2	4	6	15
Other			2	4	6	15
Chetwynd General Hospital				2	2	3
Other				2	2	3
Dawson Creek and District Hospital			3	12	15	155
Other			3	3	6	10
Psychiatry				9	9	145
Fort Nelson General Hospital			8	5	13	68
Other			8	5	13	68
Fort St. John General Hospital			18	8	26	76
Other			18	5	23	67
Psychiatry				3	3	9
G.R. Baker Memorial Hospital		1	4	5	10	37
Other		1	2		3	3
Psychiatry			2	5	7	34
Kitimat General Hospital			4	4	8	40
Other			4	4	8	40
Mackenzie And District Hospital			1	2	3	7
Other			1	2	3	7
Masset Hospital			4	2	6	19
Other			4	2	6	19
Mills Memorial Hospital		1	7	8	16	89
General Pediatrics		1			1	11
Other			7	8	15	78
Prince George Regional Hospital		7	76	99	182	2,412
General Pediatrics		1	2	2	5	33
Other			7	17	24	183
Psychiatry		6	67	80	153	2,196
Prince Rupert Regional Hospital			7	7	14	51
General Pediatrics			1		1	8
Other			6	7	13	43
Queen Charlotte Islands General Hospital			2	2	4	8
Other			2	2	4	8
St. John's Hospital			3	4	7	30
Other			3	4	7	30
Wrinch Memorial Hospital			2	6	8	30
Other			2	6	8	30
Provincial Health Services Authority	5	120	215	118	458	9,222
B.C. Children's Hospital	5	120	215	118	458	9,222
General Pediatrics	2	4	4	5	15	61
Other			2	1	3	21
Paediatric Medical Subspecialty	2	15	15	11	43	226
Paediatric Neurosurgery			1		1	2
Psychiatry	1	101	193	101	396	8,912
Grand Total	6	249	1,287	1,847	3,389	32,884
% Total Discharges	0%	7%	38%	54%	100%	

Appendix 6: Map of Inpatient Discharges for MH & SU Reasons



Appendix 7: HA Operated Pediatric Inpatient Beds in BC (includes MH & SU beds)

HA	Hospital	General Pediatric Beds	Pediatric Observation Beds	Ped ICU Beds ²	Child & Youth MH Beds	Youth SU Beds ³	Total Ped Beds	NICU Beds
IHA	Kelowna General	10			8		18	12
	Kootenay Boundary (Trail)	4					4	
	Penticton Regional	11					11	
	East Kootenay (Cranbrook)	2					2	
	Vernon	5					5	
	Royal Inland	9			2		11	8
	Ashnola (Keremeos)					22 ⁴	22	
FHA	Abbotsford Regional	12					12	10
	Langley Memorial	9					9	
	Chilliwack General		4				4	
	Royal Columbian	12					12	24
	Ridge Meadows		4				4	
	Surrey Memorial	16			20		36	28 ⁵
	Burnaby							8
	Creekside Withdrawal Management Centre					6	6	
	Last Door Recovery Centre					10 ⁶	10	
VCH	Lions Gate & Carlie Centre	10			10		20	9
	Richmond		4				4	6
	St Paul's							9
	Peak House					8	8	
	Young Bears Lodge					5	5	
Island H	Nanaimo Regional	8					8	9
	St Joseph's General	4					4	
	Victoria General	16		5			21	22
	Cowichan District (Duncan)	4					4	
	Campbell River	1					1	
	Ledger House				14 ⁷		14	
NHA	University Hospital of Northern B.C.	12 ⁸			6 ⁹		18	9
	Nechako Centre					8 ¹⁰		
PHSA	B.C. Children's Hospital	97		22	54 ¹¹		173	
	BC Women's							60
TOTAL		242	12	27	114	59	446	214

Source: Survey of health planners & ED working group in each HA, 2012/13.

Note: Several hospitals in BC do not have designated pediatric beds but admit children and youth to beds on an adult inpatient unit(s). These hospitals are not included on the list above.

² Beds have the capacity for invasive monitoring, inotropic drugs and mechanical ventilation.

³ Excludes beds in home-based settings.

⁴ Includes beds for ages 17 - 24.

⁵ Plan to increase to 48 beds in the future.

⁶ Contracted beds and number of beds fluctuates.

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

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 1 detox bed.

¹¹ 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.