



# STUDENT EDUCATION METRICS

SUPPLEMENTARY REPORT

FISCAL YEAR 2021 - 22

Prepared for:  
PHSA Research and Academic Development Committee

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# INTRODUCTION

This report is a companion document to the *PHSA Research and Student Education Metrics Consolidated Report* and provides further detailed metrics according to PHSA's Student Education Metrics Framework. It reports on metrics across PHSA on Student Education Capacity, Building Effective Partnerships and Collaborations that Support Innovation, and Monitoring the Quality of Clinical Learning Environment and Results. As well, the report includes student education summaries for the following programs: BC Cancer, BC Children's Hospital and Sunny Hill Health Centre, BC Women's Hospital & Health Centre, BC Emergency Health Services, BC Mental Health and Substance Use Services, and BC Centre for Disease Control, as well as Lab, Medical Imaging and Pharmacy.

The intent of the report is to:

- Acknowledge, celebrate, and monitor the commitment of PHSA's teams who support student education
- Recognize collaborations with the academic partners across the province
- Provide data to inform operational and strategic decisions, including workforce planning, building capacity for student education, quality practice environments, and priority areas of focus and innovation
- Identify opportunities for further development

The report presents data for the past three fiscal years. As noted in last year's report, impacts to student education from the COVID-19 pandemic can be seen in fiscal year 2020-21. The data from 2021-22 reflects the results of the collaborative responses to ensure continuity in preparing the future health workforce.

# PHSA STUDENT EDUCATION METRICS FISCAL YEAR SUMMARY- PHSA OVERALL

Indicator	Key Measure Description	FY 2019-20	FY 2020-21	FY 2021-22	
		Value	Value	Value	
Build Student Education Capacity	1a	<b>Total Number of Student Hours by Program</b> (excludes medical students)	<b>263,099</b>	<b>234,496</b>	<b>315,031</b>
		BCCH	96,351	99,084	120,297
		BCEHS	58,586	34,503	61,668
		BCW	40,904	29,915	45,954
		BCMHSUS (Forensics, MH & Addictions, Burnaby Centre, CHS, Red Fish)	28,193	32,894	38,909
		BC CANCER – all locations	28,229	24,965	30,775
		Sunny Hill	5,845	7,097	10,924
		All Other	4,991	6,038	6,504
	1a	<b>Total Number of Students by Program</b> (excludes medical students)	<b>1,714</b>	<b>1,465</b>	<b>2,130</b>
		BCCH	637	582	797
		BCEHS	351	244	439
		BCW	367	251	362
		BCMHSUS (Forensics, MH & Addictions, Burnaby Centre, CHS, Red Fish)	175	202	262
		BC CANCER – all locations	106	104	139
	Sunny Hill	58	62	97	
	All Other	20	20	34	
1b	<b>Total Number of Medical Students</b> (Undergraduate & Post-Graduate)				
	Undergraduate Medical Students (annual)	463	451	492	
	Post-Graduate Medical Students (annual)	851	866	858	
1c	<b>Estimated Cost of Staff Time by Encounter Type**</b>				
	One-to-one	\$4,451,977	\$3,383,777	\$4,843,982	
	Group	\$164,119	\$169,070	\$226,859	
1f	Total Number of PHSA declined placement requests in HSPnet**	208	384	377	
1g	<b>Total # of Staff Participants participating in Preceptor/Educator Training</b>				
	Educator Pathway Project (Preceptor/Educator Training)	235	265	526	
	BC Emergency Health Services (Preceptor Training)	55	98	57	
1h	<b>Total Number of Preceptors in HSPnet with and without a placement</b>				
	With a placement	369	348	377	
	Without a placement	237	325	309	
Build Effective Partnerships and Collaborations to Support Innovation	2a	Total # of Affiliation Agreements	76	69	75
	2b	<b>Top 5 Education Institutions by student hours-all disciplines</b>			
		BCIT	67,329	57,646	75,262
		University of BC	45,677	39,573	51,366
		Justice Institute of BC	52,705	29,558	45,456
	Thompson Rivers University	11,014	20,062	22,214	
	Douglas College	13,582	14,622	17,579	
2c	<b>Distribution of Student Hours by Student Education setting**</b>				
	Hospital	136,879	131,485	175,874	
	On Car	58,586	34,503	61,668	
	Out Patient/Mixed	56,360	54,479	66,887	
	Other (Population Health and Corporate)	11,434	14,028	10,602	
Results	3a	# of hires at PHSA with previous PE Placement	482(18%)	195 (11%)	483 (12%)

\*\* Excludes undergraduate and post-graduate medical students and paramedics

# PHSA AGGREGATE ANALYSIS

Summary data from across PHSA supports the organization's ability to plan and communicate the learning opportunities available for students, as well as monitor our commitments to student education activities.

## BUILD STUDENT EDUCATION CAPACITY

### Placement Activity

In FY 2021-22, PHSA programs provided 315,030 student hours (excluding medical students), an increase of 80,385 (26%) hours. Disciplines that had more activity (hours) than pre-pandemic levels include: Unit Clerks and Medical Office Assistants, Bachelor of Nursing, Practical Nursing, Nurse Practitioners, Paramedics, Counselling Psychologist, Masters of Social Work, Medical Laboratory Technologist, Clinical Genetics Technologist, and Respiratory Therapists. The following sub-disciplines saw a decrease in activity (hours) than last year: Psychiatric Nursing, Masters of Public Health, Occupational Therapists, Physical Therapist, Speech

Language Pathologists, Audiologist and Radiology Technologists.

All program areas had increases in both total student numbers and total student hours this fiscal year. A breakdown of student hours and students by discipline, sub-discipline and fiscal year can be found in Table 1. This table can be used as a reference for comparing PHSA commitments to student education with our short and long-term workforce planning and other team planning processes.

**TABLE 1: Total # of Students and Hours by Discipline and Sub-discipline by Fiscal Year**

Discipline/Sub-discipline	FY 19-20		FY 20-21		FY 21-22	
	Total Student Hours	Total # of Students	Total Student Hours	Total # of Students	Total Student Hours	Total # of Students
<b>Nursing</b>	<b>107,850</b>	<b>888</b>	<b>99,624</b>	<b>823</b>	<b>123,602</b>	<b>1,069</b>
Bacc Nursing - BScN/BSN/BN	77,404	608	70,493	610	93,302	813
Post-RN Specialty	17,824	198	13,276	137	15,329	156
Psychiatric Nursing Bacc - BScN/BN/RPN Psych	7,844	42	9,344	42	8,196	50
Nurse Practitioner	2,394	26	2,983	19	3,414	26
Psychiatric Nursing - Diploma	1,080	3	2,700	8	1,674	7
Registered Nurse	792	4	588	4	696	3
Nursing - Masters	268	5	176	2	588	6
Licensed Practical Nurse	245	2	65	1	404	8
<b>Paramedic</b>	<b>58,810</b>	<b>379</b>	<b>34,917</b>	<b>277</b>	<b>61,788</b>	<b>454</b>
Primary Care Paramedic - on-car	43,165	313	27,913	226	55,476	403
Advanced Care Paramedic - on-car	15,421	38	6,739	18	6,192	36
Paramedic-Advanced/Critical Care	224	28	264	33	120	15
<b>Therapist</b>	<b>30,270</b>	<b>111</b>	<b>37,068</b>	<b>122</b>	<b>43,248</b>	<b>134</b>
Respiratory Therapist	9,800	40	18,620	76	20,580	84
Radiation Therapist	18,435	39	15,668	39	19,268	43
Music Therapist	850	1	1,790	3	1,700	2
Recreation Therapist Degree	985	29	840	3	1,400	4
Art Therapist	200	2	150	1	300	1
<b>Technologist/Technician</b>	<b>16,580</b>	<b>55</b>	<b>20,345</b>	<b>72</b>	<b>23,281</b>	<b>84</b>
Medical Laboratory Technologist	8,250	10	7,875	5	9,750	10
Sterile Processing Technician			2,396	6	3,188	8
Clinical Genetics Technologist	900	2	1,840	5	2,870	8
Sonography Tech	2,359	13	1,881	11	2,450	13

Discipline/Sub-discipline	FY 19-20		FY 20-21		FY 21-22	
	Total Student Hours	Total # of Students	Total Student Hours	Total # of Students	Total Student Hours	Total # of Students
Radiology Tech	3,046	8	3,653	14	1,958	14
Nuclear Medicine Tech	1,200	15	2,000	25	1,760	22
Medical Laboratory Assistant	300	2	300	2	600	4
Electroencephalograph Technologist					480	3
Perfusionist	450	4	240	3	225	2
Medical Radiation Technology	75	1				
MRI Technology/Technician			160	1		
<b>Other Health</b>	<b>9,761</b>	<b>54</b>	<b>10,254</b>	<b>26</b>	<b>13,109</b>	<b>51</b>
Masters of Public Health	8,440	20	10,154	25	7,668	27
Master of Science in Medical Genetics					4,116	18
Biomedical Engineer	700	4			525	3
Community Health and Preventive Medicine					440	2
Child Life Specialist					360	1
Counselling - Other			100	1		
Various - Multidisciplinary/Interdisciplinary	90	2				
Community Health Worker	45	1				
Therapeutic Touch Practitioner	486	27				
<b>Social Work</b>	<b>10,242</b>	<b>27</b>	<b>7,717</b>	<b>19</b>	<b>11,962</b>	<b>28</b>
Master of Social Work	5,862	14	4,882	12	8,257	18
Bachelor of Social Work	2,680	8	2,835	7	2,485	6
Child and Youth Care Worker	1,560	4			1,220	4
Social Services Worker Certificate	140	1				
<b>Pharmacy</b>	<b>10,658</b>	<b>58</b>	<b>7,982</b>	<b>29</b>	<b>10,448</b>	<b>62</b>
Pharmacist	9,398	50	7,240	23	9,328	55
Pharmacy Technician	1,260	8	742	6	1,120	7
<b>Rehabilitation Sciences</b>	<b>7,928</b>	<b>51</b>	<b>7,032</b>	<b>32</b>	<b>5,663</b>	<b>31</b>
Occupational Therapist	3,889	19	3,908	18	3,158	15
Physiotherapist	2,552	25	1,476	7	1,296	7
Rehabilitation Assistant	565	3	893	4	893	6
Speech & Language Pathologist/Communications	706	3	540	2	317	3
Audiologist	216	1	216	1		
<b>Administration</b>	<b>4,031</b>	<b>40</b>	<b>3,096</b>	<b>30</b>	<b>7,179</b>	<b>67</b>
Health Unit Coordinator/Nursing Unit Clerk	2,583	24	1,968	17	5,263	46
Medical Office Assistant	800	10	560	7	1,772	19
Medical Transcriptionist	168	2			84	1
Library and Information Technology					60	1
Human Resources Management			450	3		
Policy and Planning			70	1		
Communications			48	2		
Clerical - General	360	3				
Master of Library and Information Services	120	1				
<b>Psychology</b>	<b>3,248</b>	<b>12</b>	<b>3,515</b>	<b>9</b>	<b>6,300</b>	<b>16</b>
Psychology (PHD)			2,215	6	2,736	7
Psychology (Masters)	1,048	6	1,000	2	1,400	4
Counselling Psychology	2,200	6	300	1	1,364	4
Clinical Psychology					800	1
<b>Food &amp; Nutrition</b>	<b>2,720</b>	<b>26</b>	<b>3,088</b>	<b>24</b>	<b>3,096</b>	<b>30</b>

Discipline/Sub-discipline	FY 19-20		FY 20-21		FY 21-22	
	Total Student Hours	Total # of Students	Total Student Hours	Total # of Students	Total Student Hours	Total # of Students
Dietitian	2,720	26	2,976	23	3,096	30
Other			112	1		
Health Information Management	1,002	13			1,153	19
Health Information Management	1,002	13			1,080	18
Other					73	1
Medicine					1,520	12
Midwifery					1,520	12
Non-Health					960	6
Other Non Health Disciplines					960	6
Dental Medicine			8	2	884	65
Doctor of Dental Medicine			8	2	684	60
General Practice Residency					200	5
Management					840	2
Master of Health Administration					840	2
<b>Grand Total</b>	<b>263,099</b>	<b>1,714</b>	<b>234,645</b>	<b>1,465</b>	<b>315,030</b>	<b>2,130</b>

The number of Medical Undergraduates (MDUG) and Post Graduate Medical Education (PGME) students (1,350), placements (5, 525) and days (125,534) for all clinical placements by program can be found in Tables 2 and 3. Total number of days are not representative of actual days worked, rather they are an indicator of time spent in a clinical area.

The Medical Doctor Undergraduate program (MDUG) had a total of 492 distinct students, representing 1,965 placements and 29, 715 days, arriving at PHSA facilities from April 1, 2021 – March 31, 2022. See Table 2 for a breakdown by specialty.

**TABLE 2: MDUG Total # of Distinct Students, Placements and Requested Days – FY 2021-22**

Site/Specialty	# of Distinct Students	# of Placements	Total # of Days
Pediatrics	227	391	8,883
Psychiatry	151	305	5,656
Anesthesiology	166	314	3,801
ObGyn	55	111	2,009
Ophthalmology	208	235	1,722
Radiation Oncology	86	120	1,330
Cardiology	42	57	812
Medical Oncology	26	36	805
Family Medicine	21	45	637
Medical Biochemistry	26	41	490
Neurology - Pediatric	23	36	476
Urology	29	41	469
Internal Medicine	24	33	364
Emergency	12	26	364
Otolaryngology	16	30	315
Oncology	17	28	308
Plastic Surgery	18	29	294
Dermatology	9	13	161
Orthopedic Surgery	9	13	140
Infectious Disease	4	9	119
Public Health	5	8	105
Forensic Psychiatry	5	9	98
Diagnostic Radiology	8	11	98
Neurosurgery	4	8	63
Endocrinology	2	4	63
Pathology	2	5	63
Gastroenterology	1	3	35
Medical Genetics	3	4	35
<b>Grand Total</b>	<b>492</b>	<b>1,965</b>	<b>29,715</b>

The Post Graduate Medical Education program (PGME) had a total of 858 distinct students, representing 3,560 placements and 95,819 days, arriving at PHSA facilities from

April 1, 2021 – March 31, 2022. See Table 3 for a breakdown by specialty.

**TABLE 3:** PGME Total # of Distinct Students, Placements and Requested Days – FY 2021-22

Site/Specialty	# of Distinct Students	# of Plcmnts	Total # of Days
Pediatrics	206	709	17,581
ObGyn	119	420	11,368
Psychiatry	73	267	8,754
Emergency	208	262	6,687
Oncology	56	166	4,567
Anesthesiology	60	142	4,042
Radiation Oncology	35	124	3,483
Pathology	42	105	3,000
Diagnostic Radiology	30	103	2,900
Neurology - Pediatric	51	124	2,858
Critical Care	59	83	2,480
Ophthalmology	31	103	2,317
Urology	17	77	2,190
Neonatal Perinatal Medicine	35	77	1,778
Dermatology	21	62	1,631
Infectious Disease	32	63	1,571
Endocrinology	23	51	1,532
Medical Genetics	12	56	1,399
Developmental Pediatrics	21	48	1,363
Otolaryngology	13	48	1,362
Orthopedic Surgery	20	44	1,304
Orthopedics	17	39	1,169
Nuclear Medicine	14	39	1,160
Cardiology	21	31	878
Emergency Medicine - Pediatrics	27	30	802
Gastroenterology	18	27	765
Palliative	18	29	712

Site/Specialty	# of Distinct Students	# of Plcmnts	Total # of Days
General Survey	12	24	679
Rheumatology	16	22	615
Medical Biochemistry	14	19	528
Family Medicine	16	28	469
Neurology	11	16	461
Plastic Surgery	9	15	447
Hematology	11	13	372
Neuroradiology	9	13	364
Neurosurgery	4	11	340
Public Health	6	12	339
Physical Medicine & Rehabilitation	6	13	311
Medical Oncology	10	11	297
General Internal Medicine	3	9	255
Neuropathology	4	6	166
Cardiac Surgery	2	5	140
Forensic Psychiatry	2	4	119
Geriatric Medicine	3	4	112
Medical Microbiology	2	2	56
Clinical Immunology & Allergy - Adult	1	1	28
Gynecological Oncology	1	1	28
Infectious Disease - Adult	1	1	26
Respirology	1	1	14
<b>Grand Total</b>	<b>858</b>	<b>3,560</b>	<b>95,819</b>

The number of distinct students (1,691, up from 1,221 in the previous FY) by discipline and sub-discipline by month for PHSA Overall is seen in Table 4, allowing the organization to see at a glance the types of students and volumes that have been supported throughout the last fiscal year.

This data can be used to:

- Anticipate student volumes by discipline at each site throughout the calendar year.
- Plan for students in advance, including support for the planning required for preceptor assignment, development, and availability.

- Schedule students learning activities such as CST training, and interprofessional collaborative practice events and learning opportunities.

*Note: since the length of student placements vary, the students listed in one month may still be on-site in subsequent months. Excluded from these graphs are medical students and on-car paramedic placements whose current practices result in an equal distribution of placements throughout the year.*

**TABLE 4: Total # of Students by Discipline and Sub-discipline by Month – FY 2021-22**

Discipline/Sub-Discipline	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Annual Total
<b>Nursing</b>	<b>87</b>	<b>101</b>	<b>55</b>	<b>3</b>	<b>3</b>	<b>204</b>	<b>115</b>	<b>21</b>	<b>3</b>	<b>259</b>	<b>76</b>	<b>142</b>	<b>1,069</b>
Bacc Nursing - BScN/BSN/BN	48	83	52		3	150	93	14	2	200	62	106	813
Post-RN Specialty	33	8	3			32	16	7		36	10	11	156
Psychiatric Nursing Bacc - BScN/BN/RPN Psych		6				9	3			15		17	50
Nurse Practitioner	3	1		3		9				7	1	2	26
Licensed Practical Nurse							3				3	2	8
Psychiatric Nursing - Diploma		3										4	7
Nursing - Masters						4			1	1			6
Registered Nurse	3												3
<b>Therapist</b>	<b>1</b>	<b>11</b>	<b>13</b>		<b>23</b>	<b>15</b>	<b>11</b>		<b>12</b>	<b>24</b>	<b>11</b>	<b>13</b>	<b>134</b>
Respiratory Therapist			13		13	12	11			12	11	12	84
Radiation Therapist		9			10	2			12	10			43
Recreation Therapist Degree	1									2		1	4
Music Therapist		1				1							2
Art Therapist		1											1
<b>Technologist/Technician</b>	<b>6</b>	<b>11</b>	<b>7</b>	<b>14</b>	<b>9</b>	<b>3</b>	<b>10</b>	<b>1</b>	<b>1</b>	<b>10</b>	<b>8</b>	<b>4</b>	<b>84</b>
Nuclear Medicine Tech	3	1	2	3	3	1	2	1		5		1	22
Radiology Tech		2	4	3	3				1	1			14
Sonography Tech	2	2			2		3			2	2		13
Medical Laboratory Technologist		4		6									10
Sterile Processing Technician							4				4		8
Clinical Genetics Technologist		2	1	2	1							2	8
Medical Laboratory Assistant						2					1	1	4
Electroencephalograph Technologist	1						1			1			3
Perfusionist										1	1		2
<b>Administration</b>	<b>1</b>	<b>9</b>	<b>1</b>	<b>5</b>	<b>7</b>	<b>4</b>	<b>18</b>	<b>6</b>	<b>3</b>	<b>7</b>	<b>4</b>	<b>2</b>	<b>67</b>
Health Unit Coordinator /Nursing Unit Clerk		3	1	4	7	3	15	5	1	4	1	2	46
Medical Office Assistant		6		1		1	3	1	2	3	2		19
Library and Information Technology											1		1
Medical Transcriptionist	1												1
<b>Dental Medicine</b>		<b>1</b>		<b>2</b>	<b>1</b>	<b>56</b>			<b>1</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>65</b>

Discipline/Sub-Discipline	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Annual Total
Doctor of Dental Medicine		1		1	1	55				1	1		60
General Practice Residency				1		1			1			2	5
Pharmacy	1	26	5		2	8	2			9	9		62
Pharmacist		26	4		2	7	1			8	7		55
Pharmacy Technician	1		1			1	1			1	2		7
Other Health	3	21	7			13				7			51
Masters of Public Health		21								6			27
Master of Science in Medical Genetics			6			12							18
Biomedical Engineer	3												3
Community Health and Preventive Medicine			1							1			2
Child Life Specialist						1							1
Rehabilitation Sciences	2	5		3	2	1		6		5	5	2	31
Occupational Therapist		1		3				4		5	2		15
Physiotherapist	1					1		1			3	1	7
Rehabilitation Assistant	1	1			2			1				1	6
Speech & Language Pathologist/Communications		3											3
Food & Nutrition	3	5	4			4	2	4	1	3	1	3	30
Dietitian	3	5	4			4	2	4	1	3	1	3	30
Social Work		5				14				8		1	28
Master of Social Work		2				12				4			18
Bachelor of Social Work		2				1				3			6
Child and Youth Care Worker		1				1				1		1	4
Health Information Management	18												18
Health Information Management	18												18
Psychology		6				8	2						16
Psychology (PHD)		3				4							7
Counselling Psychology		2				2							4
Psychology (Masters)		1				1	2						4
Clinical Psychology						1							1
Paramedic										3	6	6	15
Paramedic-Advanced/ Critical Care										3	6	6	15
Medicine			1	3						7	1		12
Midwifery			1	3						7	1		12
Non-Health						4		1	1				6
Other Non Health Disciplines						4		1	1				6
Management		1								1			2
Master of Health Administration		1								1			2
Other				1									1
Health Information Management				1									1
<b>Grand Total</b>	<b>122</b>	<b>202</b>	<b>93</b>	<b>31</b>	<b>47</b>	<b>334</b>	<b>160</b>	<b>39</b>	<b>22</b>	<b>344</b>	<b>122</b>	<b>175</b>	<b>1,691</b>

Below is a listing of the number of confirmed and declined placements for some professions of interest identified through health human resource (HHR) planning efforts. This data allows the organization to compare the number of students with workforce planning data and evaluate if targeted approaches to collaborate across programs and

academic partners are warranted. For example, this year both social work and nurse practitioners have declined placement requests which may be an opportunity for further exploration, in alignment with PHSA's HHR plan. Table 5 shows the number of confirmed and declined placement requests for a specific profession.

**TABLE 5: Number of Confirmed and Declined Placement Requests by Educational Institution – FY 2021-22**

Priority Discipline Education Institution	Confirmed	Declined
<b>Respiratory Therapist</b>	84	
Thompson Rivers University	84	
<b>Nurse Practitioner</b>	26	10
Athabasca University	1	1
University of British Columbia	7	1
University of Toronto	2	1
University of Victoria	16	7
<b>Master of Social Work</b>	18	14
Dalhousie University		3
Renison University College	3	2
University of British Columbia	8	5
University of British Columbia - Okanagan	2	1
University of the Fraser Valley	1	
Wilfrid Laurier University	2	1
University of Windsor	2	2
<b>Dietitian</b>	30	
University of British Columbia	30	
<b>Bachelor of Social Work</b>	6	11
Douglas College	1	1
Nicola Valley Institute of Technology	1	1
Thompson Rivers University	1	1
University of British Columbia		4
University of Northern British Columbia		1
University of the Fraser Valley	1	1
University of Victoria	1	
Vancouver Island University		2
University of Calgary	1	
<b>Occupational Therapist</b>	15	1
University of British Columbia	15	1
<b>Sonography Tech</b>	13	2
BCIT	13	
College of New Caledonia		2
<b>Medical Laboratory Technologist</b>	10	
BCIT	10	
<b>Physiotherapist</b>	7	
University of British Columbia	7	
<b>Medical Laboratory Assistant</b>	4	2
Vancouver Career College		1
Vancouver Community College	4	1
<b>Perfusionist</b>	2	
BCIT	2	
<b>Grand Total</b>	<b>215</b>	<b>40</b>

## Preceptor/Educator Training

Preceptors are PHSA staff who support the learning experiences of students enrolled in a designated program of study with a post-secondary institute, for a defined period of time. Depending on the program or role, preceptors may be known by other terms such as field guides, supervisors, or practice educators.

By sharing their expertise and welcoming prospective members into the role, preceptors make an important contribution to the learning experiences of individual students and to the future members of the healthcare team. The role of preceptor is recognized by the professions, academic institutions, health care organizations and leaders as vital to supporting the delivery of excellent health care.

PHSA staff participation in preceptor development is a key measure of Student Education readiness and an indication of available capacity to support students. Currently, PHSA utilizes the provincially developed Educator Pathway (EP) program to support staff who host students during the clinical placement component of their health care education programs. Level 1 of the Educator Pathway provides key concepts, tools, and resources for preceptors. BCEHS also offers a specific version of the training for Primary Care Paramedic and Advanced Care Paramedic preceptors.

This year, 524 preceptors participated in sessions offered by BC Children’s Hospital, BC Women’s Hospital & Health Centre, BC Cancer, BCEHS, BC Mental Health and Substance Use

Services and PHSA Corporate. See Table 6 below for a breakdown of preceptor training by program and level for fiscal year 2021-22.

The number of preceptors participating in training has increased from 287 to 524 for the Level 1 of the Educator Pathway. This increase can be accounted for through an overall increase in number of training sessions offered, support from area leaders for preceptors to attend training, and more accurate tracking and reporting of participant attendance.

In addition to the Level 1 Educator Pathway sessions offered this year, the Level 2 & 3 sessions of the Educator Pathway Program were offered for a third year. Levels 2 and 3 expand upon key principles taught in Level 1 and provide inter-professional attendees with an array of tools for establishing positive learning environments in clinical settings.

Understanding the current list of preceptors and their participation in training sessions allows PHSA to review its organizational approaches for identifying, supporting and recognizing people in this important role. Future considerations may include advancing the learning sessions and resources that are available to preceptors, launching specific celebration and recognition events, and aligning available preceptors with student education activity planning processes.

**TABLE 6: # of Preceptors/Educators Trained by the Educator Pathway Program by Program - FY 2021-22**

Level/Course	BCCH/ BCW	BC Cancer	BCCDC	BCEHS	BCMHSUS	PHSA Corporate	PHSA Total
Level 1	126	33		53	63	249	524
Level 2	12	8	2	2	1	20	45
Level 3	2	2	0	2	4	4	14
<b>Total</b>	<b>140</b>	<b>43</b>	<b>2</b>	<b>57</b>	<b>68</b>	<b>273</b>	<b>583</b>

## Preceptor Activity

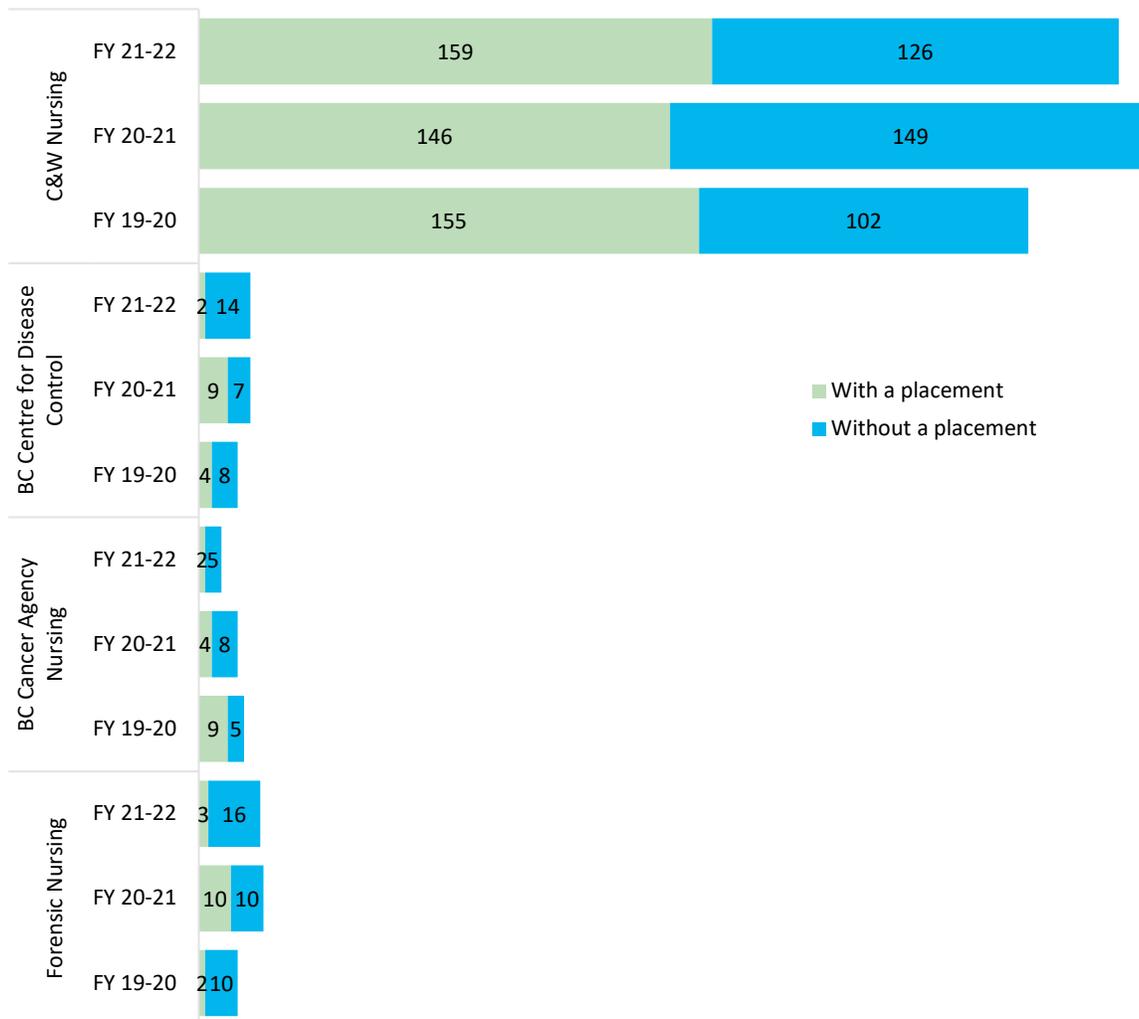
PHSA had a total of 686 active preceptors in FY 2021-22 across all PHSA disciplines, up 13 from 2020-21. While the total number of preceptors increased, the number with an active placement decreased by 29.

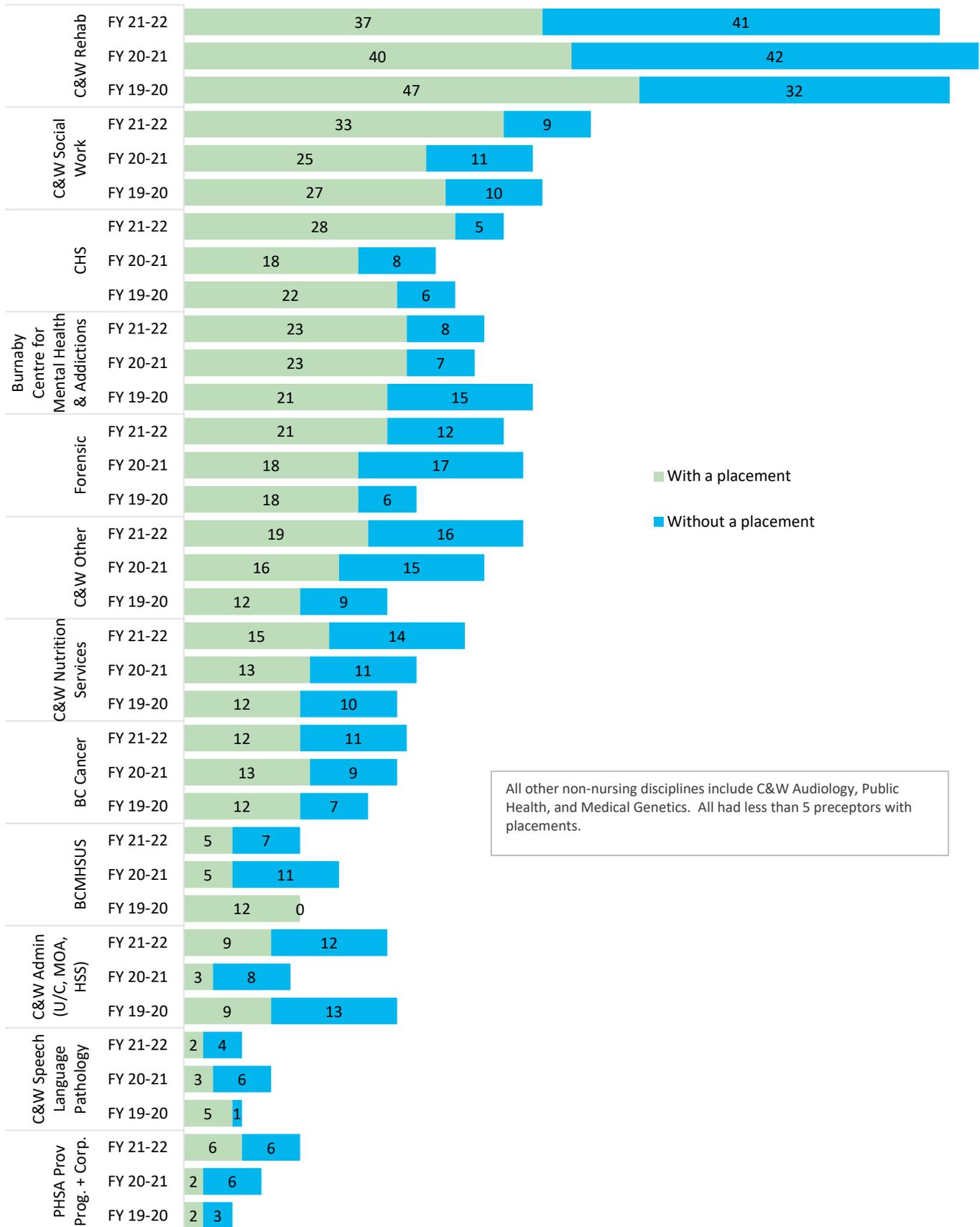
The number of preceptors with and without an active placement by fiscal year for nursing is shown in Figure 1 and for non-nursing in Figure 2. Reviewing the number of active preceptors with and without a placement, allows leaders to ensure they have identified and supported people to be

preceptors in alignment with both individual team member's goals and overall capacity for supporting students.

Excluded from these data are the BCEHS preceptors, as they do not currently utilize HSPnet for paramedic program placements. In addition, although the PGME and the MDUG programs utilize HSPnet for placement access into particular clinical departments, they do not utilize HSPnet to assign physician preceptors as this is managed by UBC outside of HSPnet.

**FIGURE 1: Number of Preceptors by Student Placement Activity and Fiscal Year - Nursing**

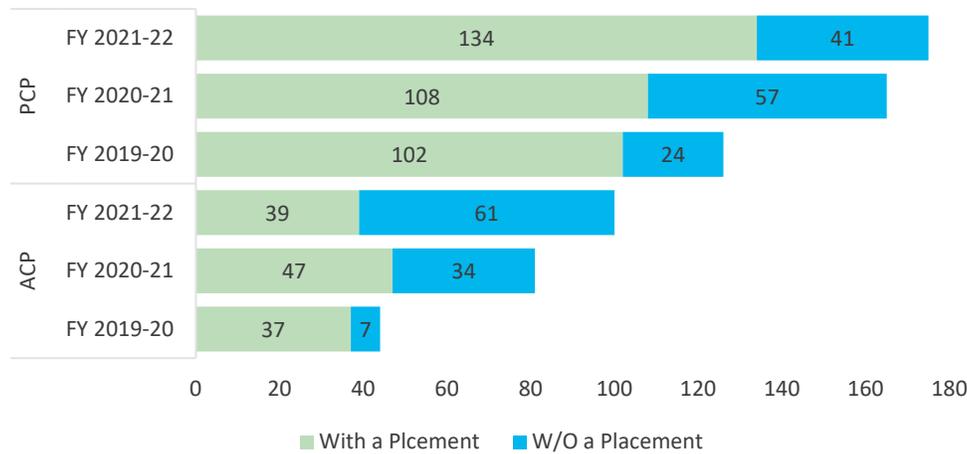


**FIGURE 2: Number of Preceptors by Student Placement Activity and Fiscal Year – All Other Disciplines**


The number of trained and active preceptors in BC Emergency Health Services (BCEHS) is detailed below in Figure 3. This includes all preceptor and student training for the Primary Care Paramedic and Advanced Care Paramedic

courses. While a preceptor may be trained, they may not be actively taking students. Training for preceptors for BCEHS' other programs (Critical Care Paramedic, Infant Transfer Team, and Dispatch) are excluded.

**FIGURE 3: Number of BCEHS Preceptors & Placement Activity by Course by Fiscal Year**



One element of the total cost of Student Education is staff time related to direct supervision of students. These activities include orientation of the students/faculty to the site, unit and/or program, planning of daily learning activities that meet learning objectives, skill demonstrations, supervision of students while they practice, supporting student performance; and, contributing to student assessments, and evaluations. Approximate costs are calculated using the ratio of staff hour to student hours, 1:20 for group placements, 1:1 for Paramedic placements and 1:5 for all other disciplines for preceptor placements. Hourly wages are either \$40 or \$50 per hour average staff salary cost. Not included in the estimate are costs associated with preceptor training, student education administration,

clinical educator time in support of student education activities, equipment and supplies, orientation, ID cards, impact on diagnostics, drugs and therapies, computer access, simulation learning events, or other related costs. There are additional in-kind costs that teams contribute to student education but quantifying the approximate dollar-value of staff time is one way of acknowledging PHSA's commitment to students and academic partners across the province.

Table 7 shows the estimated cost of staff time by discipline for FY 2021-22. Excluded from this table is estimated cost related to medical students.

**TABLE 7: Estimated Cost of PHSA Preceptor Time by Discipline and Encounter Type – FY 2021-22**

Discipline	Group	One-to-One	Total
Nursing	\$179,020	\$866,567	\$1,045,587
Paramedic	\$240	\$2,466,720	\$2,466,960
Therapist	\$41,160	\$302,233	\$343,393
Technologist/Technician	\$6,439	\$267,480	\$273,919
Other Health	\$0	\$174,780	\$174,780
Social Work	\$0	\$199,367	\$199,367
Pharmacy	\$0	\$174,133	\$174,133
Administration	\$0	\$95,713	\$95,713
Psychology	\$0	\$105,000	\$105,000
Rehabilitation Sciences	\$0	\$94,380	\$94,380
Food & Nutrition	\$0	\$51,600	\$51,600
Health Information Management	\$0	\$19,208	\$19,208
Non-Health	\$0	\$12,800	\$12,800
Management	\$0	\$14,000	\$14,000
<b>Grand Total</b>	<b>\$226,859</b>	<b>\$4,843,982</b>	<b>\$5,070,841</b>

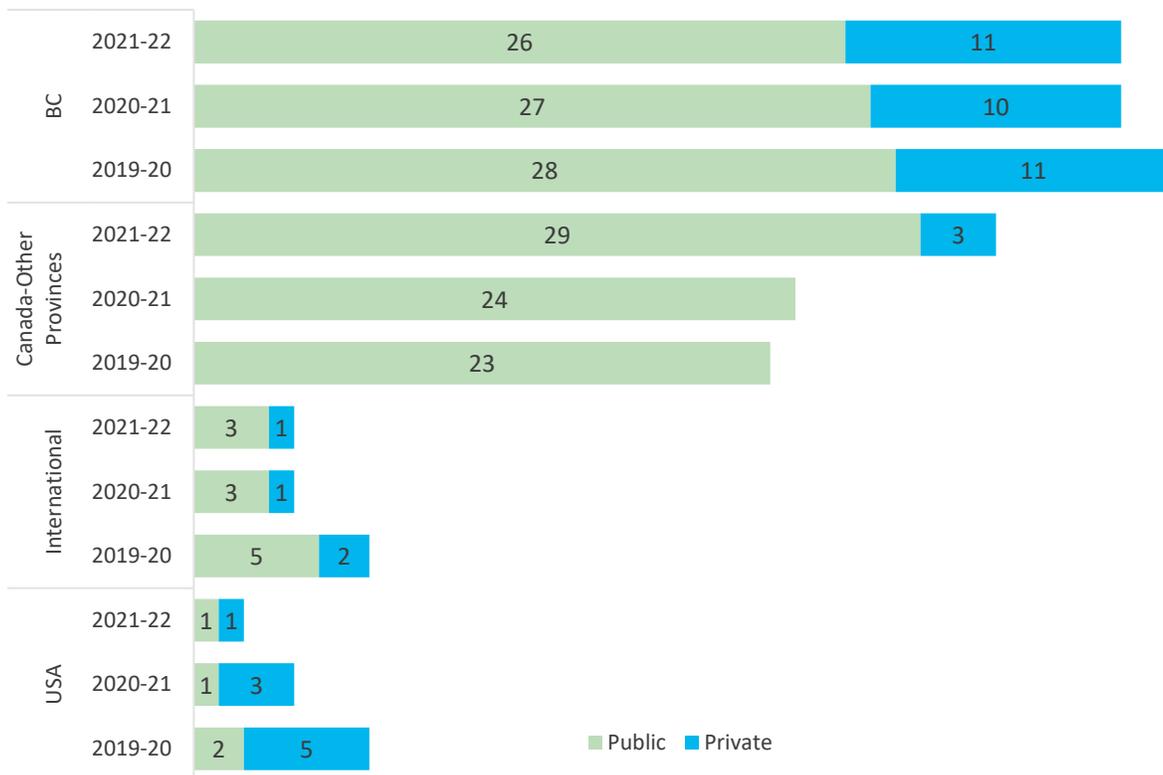
## BUILD EFFECTIVE PARTNERSHIPS AND COLLABORATIONS THAT SUPPORT INNOVATION

Student education requires the ongoing cultivation of relationships amongst a range of stakeholders including government, academic institutions, health organizations, regulatory bodies, professional associations, unions, care teams, patients, and the public. In addition to Educational Affiliation Agreements, PHSA participates in a range of formal Advisory Committees, Working Groups and Forums as well as informal and ad hoc meetings and presentations with its partners.

PHSA has affiliation agreements with seventy-five (75) educational institutions, in both the public (79%) and private

(21%) sector. See Figure 4 for a breakdown by region and sector. In addition to these, BCEHS has affiliation agreements with JIBC, Columbia Paramedic Academy, and AET Paramedic Academy. PHSA also has affiliation agreements (Inter-health authority agreements) in place with other BC Health Authorities and BC Emergency Health Services to support continuing professional development. Of note is that although private institutions represent about 20% of affiliation agreements, they represent less than 5% of total student practicum hours. For a detailed list of education partners see Appendix C.

**FIGURE 4:** Number of Affiliation Agreements by Region and Sector by Fiscal Year



While PHSA has 75 partnerships in place, 71% of student practice hours for FY 2021-22 were with ten (10) public institutions (see Figure 5). A detailed listing of student hours by institution, discipline and sub-discipline can be found in

Appendix D. PHSA continues to value its relationships with academic partners. Note that student hours for UBC does not include medical student/resident placements.

**FIGURE 5:** Number of Student Hours by Top 10 Educational Institutions by Fiscal Year – All Disciplines

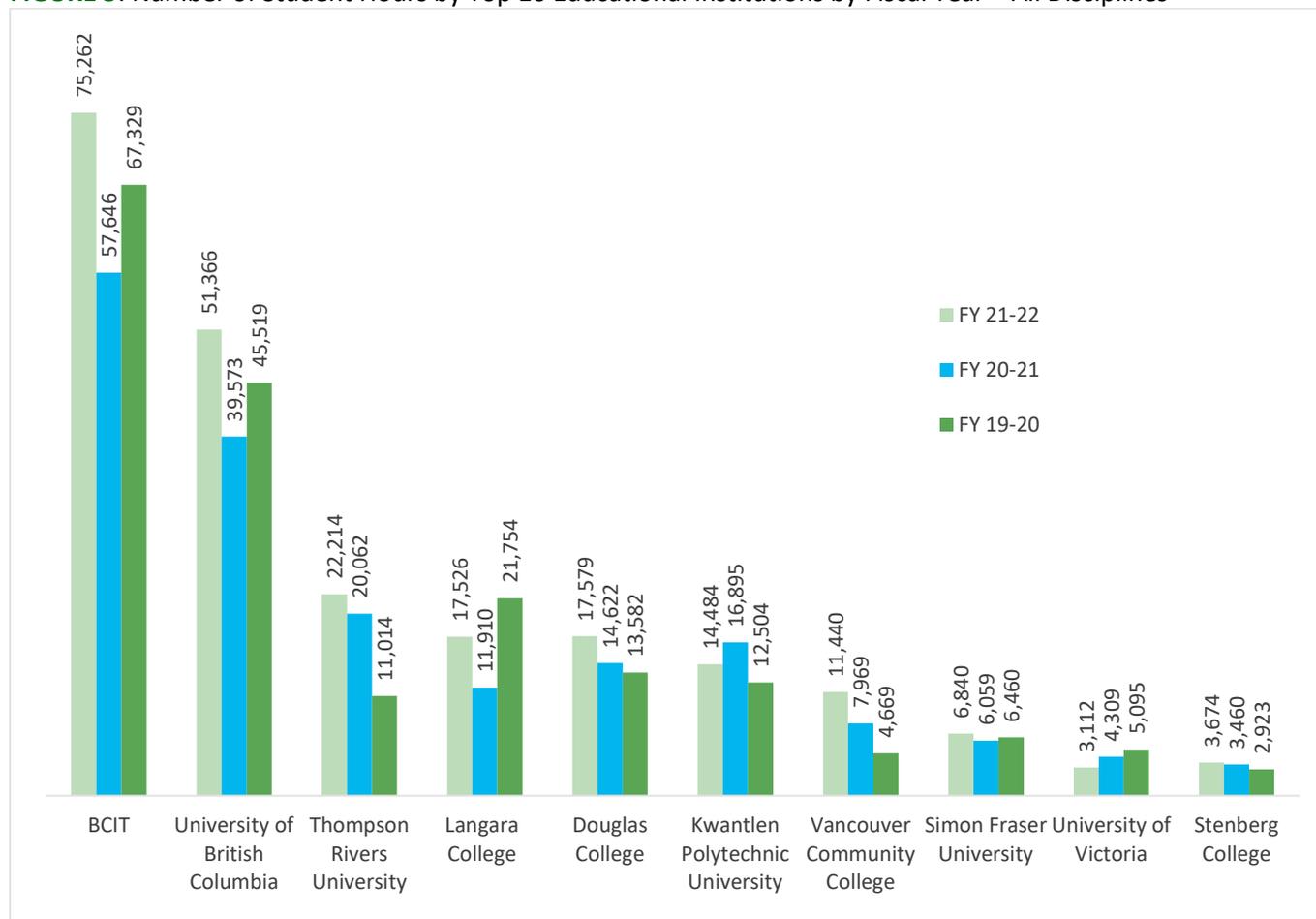


Table 8 details the total number of students for the top five educational institutions by discipline and sub-discipline by program. The numbers below exclude medical students and

paramedics. Site specific detail can be found in the applicable program section.

**TABLE 8:** Number of Students by Top 5 Educational Institutions by Program – All Disciplines FY 2021 - 22

EDUCATION INSTITUTION Discipline/Sub-discipline	BC Cancer	BCCH	SunnyHill	BCW	BCMHSUS	BCCDC	PHSA	Grand Total
BCIT	64	173	28	188	1		3	457
Nursing		130	28	163	1			322
Bacc Nursing - BScN/BSN/BN		82	28	55	1			166
Post-RN Specialty		48		108				156
Technologist/Technician	19	40		12				71
Nuclear Medicine Tech	16	6						22
Sonography Tech		1		12				13
Radiology Tech		13						13
Medical Laboratory Technologist		10						10
Clinical Genetics Technologist	3	5						8

EDUCATION INSTITUTION Discipline/Sub-discipline	BC Cancer	BCCH	SunnyHill	BCW	BCMHSUS	BCCDC	PHSA	Grand Total
Electroencephalograph Technologist		3						3
Perfusionist		2						2
Therapist	43							43
Radiation Therapist	43							43
Administration	1			13				14
Medical Office Assistant	1			13				14
Non-Health		1					3	4
Other Non Health Disciplines		1					3	4
Other Health	1	2						3
Biomedical Engineer	1	2						3
University of British Columbia	40	211	47	53	65	9	2	427
Nursing	13	73	41	23	52		1	203
Bacc Nursing - BScN/BSN/BN	8	68	41	22	52		1	192
Nurse Practitioner	4	3						7
Nursing - Masters	1	2		1				4
Dental Medicine	8	57						65
Doctor of Dental Medicine	4	56						60
General Practice Residency	4	1						5
Pharmacy		47			7			54
Pharmacist		47			7			54
Food & Nutrition	10	16		2		2		30
Dietitian	10	16		2		2		30
Other Health	6			13	1	7	1	28
Master of Science in Medical Genetics	6			12				18
Masters of Public Health				1	1	7	1	10
Rehabilitation Sciences	2	11	6	2	4			25
Occupational Therapist		6	3	2	4			15
Physiotherapist		5	2					7
Speech & Language Pathologist/Communications	2		1					3
Medicine				12				12
Midwifery				12				12
Social Work	1	6		1				8
Master of Social Work	1	6		1				8
Psychology		1			1			2
Psychology (PHD)		1						1
Counselling Psychology					1			1
Langara College		84	8	38	32			162
Nursing		84	8	38	32			162
Bacc Nursing - BScN/BSN/BN		84	8	38	32			162
Douglas College		83	1		60			144
Nursing		65			56			121
Bacc Nursing - BScN/BSN/BN		62			20			82
Psychiatric Nursing Bacc - BScN/BN/RPN								
Psych		3			36			39
Health Information Management		18						18
Health Information Management		18						18
Therapist			1		3			4
Recreation Therapist Degree			1		3			4

EDUCATION INSTITUTION Discipline/Sub-discipline	BC Cancer	BCCH	SunnyHill	BCW	BCMHSUS	BCCDC	PHSA	Grand Total
Social Work					1			1
Bachelor of Social Work					1			1
Vancouver Community College	2	46	5	40	7		6	106
Nursing		31	5	35	5		6	82
Bacc Nursing - BScN/BSN/BN		31	5	35	5		6	82
Technologist/Technician	2	10						12
Sterile Processing Technician		8						8
Medical Laboratory Assistant	2	2						4
Administration		4		5				9
Health Unit Coordinator/Nursing Unit Clerk		4		4				8
Medical Transcriptionist				1				1
Rehabilitation Sciences					2			2
Rehabilitation Assistant					2			2
Pharmacy		1						1
Pharmacy Technician		1						1
<b>Grand Total</b>	<b>106</b>	<b>597</b>	<b>89</b>	<b>319</b>	<b>165</b>	<b>9</b>	<b>11</b>	<b>1,296</b>

PHSA programs provides services for people in several care settings. PHSA monitors student activities across placement settings to ensure students have learning opportunities in a

variety of patient care settings. See Figure 6 for the distribution of student hours by placement setting.

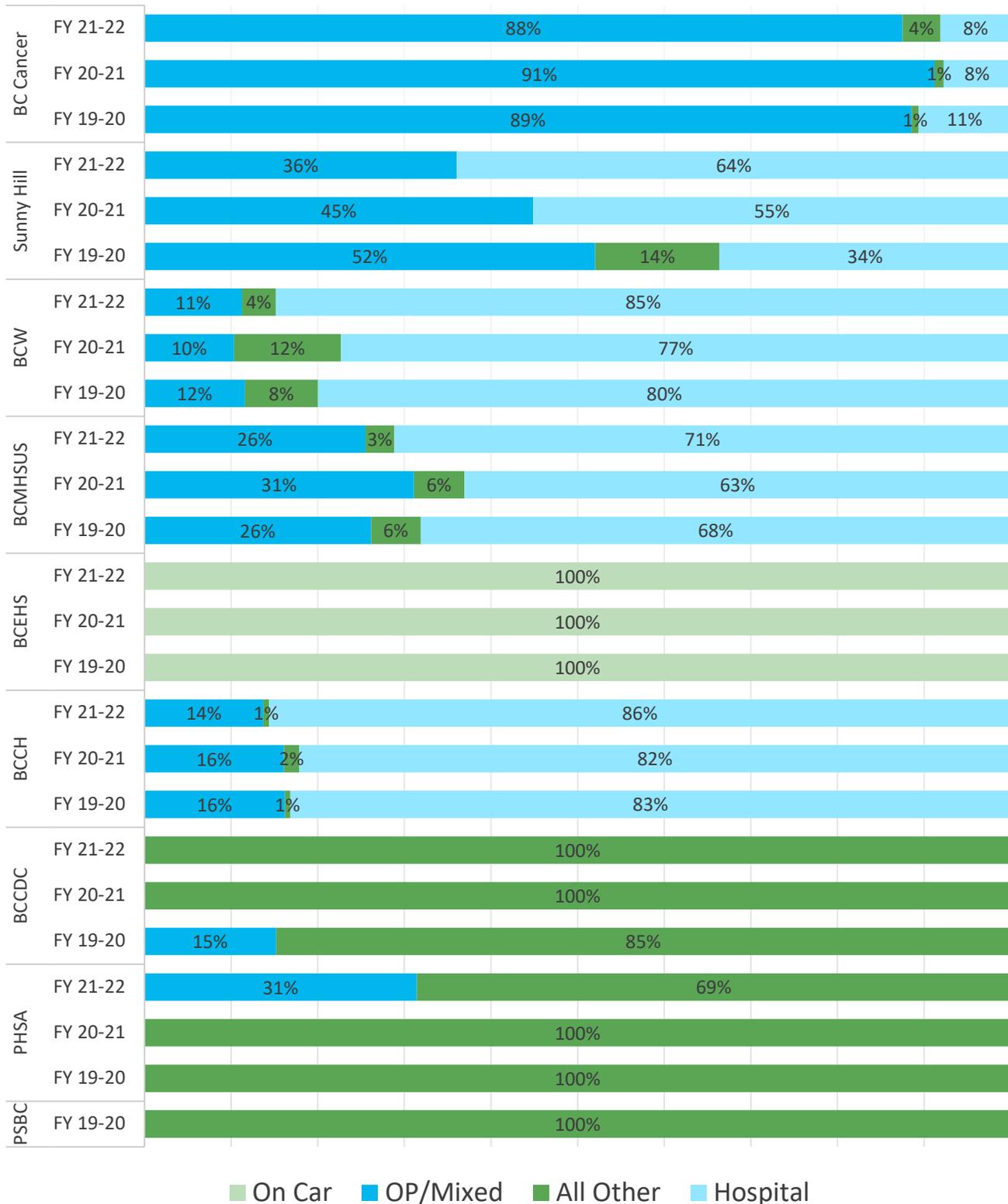
**FIGURE 6:** Distribution of Student Hours by Placement Setting by Fiscal Year



Note: All Other includes Corporate and Population Health

Further breakdown of practice setting by PHSA program is displayed in Figure 7. Please see glossary for definitions of practice settings.

**FIGURE 7:** Percent of Student Hours by Practice Setting by Program by Fiscal Year



## MONITOR THE QUALITY OF CLINICAL LEARNING ENVIRONMENT AND RESULTS

To monitor the quality, make continuous improvements, and resolve any emerging issues; teams, programs, health organizations, academic institutions, government partners and other stakeholders are interested to know more about students' experiences while on their placements. These diverse groups are keen to collaborate on an approach to gather this information in a coordinated way that also attends to the privacy and confidentiality of students' responses.

The processes and approaches for gathering student feedback are varied across discipline, academic program and PHSA programs and include online surveys, formal feedback, meetings and committees, as well as informal suggestions and comments. Currently, PHSA gathers information from a survey embedded in the New Hire Orientation course.

Results from the New Hire Orientation Online Course on Learning Hub, which includes a survey of previous practice placement activities (see Appendix E) are reported for a fifth fiscal year. Combined results are shown in Table 9 and 10.

Out of the 3,953 respondents from April 1, 2021 – March 31, 2022, 12% or 483 had a placement at a PHSA site. This is a 1% increase from FY 2020-21, and there was a 225% increase in the total number of survey respondents compared to FY 2020-21. This course is not mandatory so the survey response rate may be lower than actual number of new hires. See Table 9 for a breakdown of new hires by role that represent 85% of the total hires. The top three sub-disciplines for new hires with a PHSA placement are Nursing-RN, Medical Lab Assistant, and Medical Lab Technologist.

The top three educational institutions for new hires with a PHSA placement are BCIT, UBC, and JIBC. See Table 10 for a breakdown of new hires with a practice placement by educational institution for all institutions with over 5 placements.

**TABLE 9:** Number of New Hires by Discipline for top 85% - FY 2021 - 22

Discipline Name	Number of New Hires (with a PHSA Placement)
Nursing - RN	104
Medical Laboratory Assistant	69
Medical Laboratory Technologist	58
Paramedic - Primary Care	52
Other	37
Unit Clerk /Unit Coordinator	23
Nursing - RPN	17
Medical Office Assistant	15
Public Health	15
Social Work	12
Health Information Management	11

**TABLE 10:** Number of PHSA Placements by Educational Institution for New Hires - FY 2021 - 22

Educational Institution	Number of New Hires (with a PHSA Placement)
BCIT	109
University of British Columbia	65
Other	53
Justice Institute of BC	43
Stenberg College	29
Vancouver Community College	27
Douglas College	27
West Coast College of Health Care	25
Langara College	23
University of Victoria	15
Kwantlen Polytechnic University	14
Simon Fraser University	11
Thompson Rivers University	9
Trinity Western University	7
University of British Columbia - Okanagan	7

## BUILD STUDENT EDUCATION CAPACITY

### Placement Activity

In FY 2021-22, BC Cancer provided 30,775 student hours, an increase of 23% from FY 2020-21 (excluding medical students) of which all were one-to-one preceptorships (supervised by a PHSA preceptor/employee). The top 3

disciplines in FY 2021-22 by total student hours are Therapist (64%), Nursing (9%) and Technologists (9%). A breakdown of student hours and students by site, discipline, sub-discipline and fiscal year can be found in Table 11.

**TABLE 11:** Total # of Students and Hours by Site, Discipline and Sub-discipline by Fiscal Year

Discipline/Sub-discipline	FY 19-20		FY 20-21		FY 21-22	
	Total Student Hours	Total # of Students	Total Student Hours	Total # of Students	Total Student Hours	Total # of Students
<b>BCC-Van</b>	<b>15,120</b>	<b>72</b>	<b>11,546</b>	<b>61</b>	<b>12,061</b>	<b>74</b>
Therapist	7,800	18	5,225	15	4,700	13
Radiation Therapist	6,800	16	5,075	14	4,400	12
Art Therapist	150	1	150	1	300	1
Music Therapist	850	1				
Technologist/Technician	2,080	15	3,060	21	2,530	19
Nuclear Medicine Tech	880	11	1,200	15	1,120	14
Clinical Genetics Technologist	900	2	1,560	4	1,110	3
Medical Laboratory Assistant	300	2	300	2	300	2
Nursing	1,780	9	1,385	6	1,954	13
Nurse Practitioner	404	3	773	4	982	5
Bacc Nursing - BScN/BSN/BN	972	4	612	2	852	7
Nursing - Masters	104	1			120	1
Registered Nurse	300	1				
Food & Nutrition	1,360	10	736	9	600	7
Dietitian	1,360	10	736	9	600	7
Administration	1,460	14	720	7	496	4
Health Unit Coordinator/Nursing Unit Clerk	1,460	14	720	7	496	4
Other Health			412	1	731	8
Masters of Public Health			412	1	412	1
Biomedical Engineer					175	1
Master of Science in Medical Genetics					144	6
Social Work					450	1
Master of Social Work					450	1
Rehabilitation Sciences	320	4				
Physiotherapist	320	4				
Pharmacy	320	2				
Pharmacy Technician	160	1				
Pharmacist	160	1				
Dental Medicine			8	2	300	8
General Practice Residency					160	4
Doctor of Dental Medicine			8	2	140	4
Psychology					300	1
Counselling Psychology					300	1
<b>BCC-Surrey</b>	<b>5,098</b>	<b>13</b>	<b>6,055</b>	<b>19</b>	<b>6,255</b>	<b>18</b>

Discipline/Sub-discipline	FY 19-20		FY 20-21		FY 21-22	
	Total Student Hours	Total # of Students	Total Student Hours	Total # of Students	Total Student Hours	Total # of Students
Therapist	4,923	12	5,303	15	5,675	14
Radiation Therapist	4,923	12	5,303	15	5,675	14
Social Work			462	1		
Master of Social Work			462	1		
Psychology					300	1
Counselling Psychology					300	1
Other Health	175	1	100	1		
Biomedical Engineer	175	1				
Counselling - Other			100	1		
Administration			150	1	80	1
Medical Office Assistant					80	1
Health Unit Coordinator/Nursing Unit Clerk			150	1		
Pharmacy					160	1
Pharmacy Technician					160	1
Food & Nutrition			40	1	40	1
Dietitian			40	1	40	1
<b>BCC-Vic</b>	<b>3,125</b>	<b>8</b>	<b>4,013</b>	<b>13</b>	<b>4,554</b>	<b>11</b>
Therapist	2,850	5	2,475	4	4,275	7
Radiation Therapist	2,850	5	2,475	4	4,275	7
Nursing	100	2	1,038	5		
Nurse Practitioner	100	2	498	2		
Bacc Nursing - BScN/BSN/BN			540	3		
Administration			500	4		
Health Unit Coordinator/Nursing Unit Clerk			500	4		
Other Health	175	1				
Biomedical Engineer	175	1				
Technologist/Technician					160	2
Nuclear Medicine Tech					160	2
Rehabilitation Sciences					79	1
Speech & Language Pathologist/Communications					79	1
Food & Nutrition					40	1
Dietitian					40	1
<b>BCC-Abbot</b>	<b>3,229</b>	<b>6</b>	<b>3,085</b>	<b>8</b>	<b>4,549</b>	<b>19</b>
Therapist	3,225	5	2,815	6	3,043	7
Radiation Therapist	3,225	5	2,815	6	3,043	7
Administration			270	2	1,426	11
Health Unit Coordinator/Nursing Unit Clerk			270	2	1,286	10
Medical Office Assistant					140	1
Food & Nutrition					80	1
Dietitian					80	1
Technologist/Technician	4	1				
Radiology Tech	4	1				
<b>BCC-Kel</b>	<b>650</b>	<b>3</b>	<b>216</b>	<b>2</b>	<b>1,858</b>	<b>6</b>
Therapist					1,238	2

Discipline/Sub-discipline	FY 19-20		FY 20-21		FY 21-22	
	Total Student Hours	Total # of Students	Total Student Hours	Total # of Students	Total Student Hours	Total # of Students
Radiation Therapist					1,238	2
Nursing			104	1	520	3
Bacc Nursing - BScN/BSN/BN					480	2
Nurse Practitioner					40	1
Nursing - Masters			104	1		
Social Work	450	1				
Master of Social Work	450	1				
Pharmacy	160	1				
Pharmacist	160	1				
Food & Nutrition	40	1	112	1		
Other			112	1		
Dietitian	40	1				
Administration					100	1
Health Unit Coordinator/Nursing Unit Clerk					100	1
BCC-PG	1,007	4	50	1	1,499	11
Therapist	638	1			638	1
Radiation Therapist	638	1			638	1
Administration	240	2			413	6
Health Unit Coordinator/Nursing Unit Clerk	240	2			413	6
Nursing			50	1	370	3
Nurse Practitioner			50	1	370	3
Rehabilitation Sciences	130	1			79	1
Speech & Language Pathologist/Communications	130	1			79	1
<b>Grand Total</b>	<b>28,229</b>	<b>106</b>	<b>24,965</b>	<b>104</b>	<b>30,775</b>	<b>139</b>

The Medical Doctor Undergraduate program (MDUG) had a total of 136 distinct students, representing 220 placements and 2,835 days, at BC Cancer facilities from April 1, 2021 – March 31, 2022. See Table 12 for a breakdown by specialty

and site. Please note that the total for the number of distinct students does not represent the sum of the data by site due to the same student having placements in multiple specialties and locations.

**TABLE 12: MDUG Total # of Distinct Students, Placements and Requested Days by Site and Specialty FY 2021-22**

Site/Specialty	# of Distinct Students	# of Placements	Total # of Days
BCC-Van	72	108	1162
Radiation Oncology	39	48	546
Oncology	17	28	308
Internal Medicine	21	29	280
Diagnostic Radiology	2	3	28
BCC-Kel	26	39	875
Medical Oncology	15	20	644
Radiation Oncology	13	15	147
Internal Medicine	3	4	84
BCC-Surrey	23	33	350
Radiation Oncology	15	19	210

Medical Oncology	9	14	140
<b>BCC-Abbot</b>	<b>15</b>	<b>21</b>	<b>238</b>
Radiation Oncology	15	21	238
<b>BCC-Vic</b>	<b>8</b>	<b>9</b>	<b>105</b>
Radiation Oncology	6	7	84
Medical Oncology	2	2	21
<b>BCC-PG</b>	<b>8</b>	<b>10</b>	<b>105</b>
Radiation Oncology	8	10	105
<b>Grand Total</b>	<b>136</b>	<b>220</b>	<b>2,835</b>

The Post Graduate Medical Education program (PGME) had a total of 228 distinct students, representing 716 placements and 20,159 days, at BC Cancer facilities from April 1, 2021 – March 31, 2022. See Table 13 for a breakdown by specialty

and site. Please note that the total for the number of distinct students does not represent the sum of the data by site due to the same student having placements in multiple specialties and locations.

**TABLE 13: PGME Total # of Distinct Students, Placements and Requested Days by Site and Specialty - FY 2021-22**

Site/Specialty	# of Distinct Students	# of Placements	Total # of Days
<b>BCC-Van</b>	<b>218</b>	<b>686</b>	<b>19315</b>
Oncology	56	166	4,567
Radiation Oncology	34	111	3,114
Pathology	30	89	2,601
Diagnostic Radiology	26	62	1,718
Dermatology	15	45	1,207
Orthopedics	17	39	1,169
ObGyn	16	35	994
Palliative	17	28	698
General Survey	12	24	679
Nuclear Medicine	14	21	638
Urology	10	19	532
Psychiatry	6	16	517
Neurology	11	16	461
Neuroradiology	7	10	280
Medical Microbiology	2	2	56
Rheumatology	1	1	28
Neuropathology	1	1	28
Clinical Immunology & Allergy - Adult	1	1	28
<b>BCC-Vic</b>	<b>11</b>	<b>18</b>	<b>506</b>
Radiation Oncology	3	6	171
Hematology	5	5	145
Medical Oncology	4	4	103
Psychiatry	1	2	59
Gynecological Oncology	1	1	28
<b>BCC-Surrey</b>	<b>9</b>	<b>9</b>	<b>254</b>
Medical Oncology	5	5	140
Radiation Oncology	4	4	114
<b>BCC-Kel</b>	<b>3</b>	<b>3</b>	<b>84</b>
Radiation Oncology	3	3	84
<b>Grand Total</b>	<b>228</b>	<b>716</b>	<b>20,159</b>

In FY 2021-22, BC Cancer declined a total of 48 placement requests representing 48 students and 9,917 hours. Top reasons for these declines for all sites are shown in Table 14.

The top discipline declined is Administration placements. See Appendix B for all PHSA declines by discipline, program, and reason for FY 2021-22.

**TABLE 14: # of Students and Hours by Discipline, Site and Reasons for Placement Decline - FY 2021-22**

Discipline/Site/Detailed Decline Reason	Decline Reason Total	Total # of Students	Total # of Student Hrs
<b>Administration</b>	<b>28</b>	<b>28</b>	<b>3,488</b>
BCC-Abbot	6	6	726
Number of requests exceed scheduling capacity	3	3	320
Number of requests exceeds physical capacity	2	2	256
No experienced/trained staff to precept > Other priorities assigned to staff (e.g. Training)	1	1	150
BCC-Kel	1	1	120
No experienced/trained staff to precept	1	1	120
BCC-Surrey	9	9	1,070
No experienced/trained staff to precept	2	2	270
No experienced/trained staff to precept > No trained staff to precept	7	7	800
BCC-Van	12	12	1,572
No experienced/trained staff to precept	3	3	398
Number of requests exceed scheduling capacity	1	1	128
No experienced/trained staff to precept > No trained staff to precept	5	5	640
No experienced/trained staff to precept > Other priorities assigned to staff (e.g. Training)	1	1	150
Number of requests exceed available staff or shift rotations	2	2	256
<b>Nursing</b>	<b>12</b>	<b>12</b>	<b>3,269</b>
BCC-Kel	1	1	180
Request not suitable for area requested	1	1	180
BCC-Surrey	1	1	360
No experienced/trained staff to precept	1	1	360
BCC-Van	3	3	862
No experienced/trained staff to precept	1	1	100
Number of requests exceed available space, equipment or technology	1	1	450
Number of requests exceed available staff or shift rotations	1	1	312
BCC-Vic	7	7	1,867
No experienced/trained staff to precept	2	2	768
Number of requests exceed scheduling capacity	3	3	331
No experienced/trained staff to precept > No trained staff to precept	2	2	768
<b>Pharmacy</b>	<b>1</b>	<b>1</b>	<b>160</b>
BCC-Surrey	1	1	160
Number of requests exceed scheduling capacity	1	1	160
<b>Psychology</b>	<b>5</b>	<b>5</b>	<b>1,700</b>
BCC-Abbot	2	2	600
No experienced/trained staff to precept	2	2	600
BCC-Van	3	3	1,100
Number of requests exceed scheduling capacity	2	2	800
Number of requests exceeds physical capacity	1	1	300
<b>Social Work</b>	<b>1</b>	<b>1</b>	<b>450</b>
BCC-Van	1	1	450
Number of requests exceed scheduling capacity	1	1	450

Discipline/Site/Detailed Decline Reason	Decline Reason Total	Total # of Students	Total # of Student Hrs
<b>Therapist</b>	<b>1</b>	<b>1</b>	<b>850</b>
BCC-Van	1	1	850
No experienced/trained staff to precept	1	1	850
<b>Grand Total</b>	<b>48</b>	<b>48</b>	<b>9,917</b>

Table 15 shows the estimated cost of staff time by discipline and sub-discipline for FY 2021-22. Excluded from this table is estimated cost related to medical students.

**TABLE 15:** Estimated Cost of Preceptor Time by Discipline, Sub-discipline and Encounter Type - FY 2021 -22

Discipline	Sub-discipline	Group Cost	One to One Cost	Total Cost
Therapist	Radiation Therapist	\$0	\$256,900	\$256,900
	Art Therapist	\$0	\$4,000	\$4,000
Nursing	Nurse Practitioner	\$0	\$23,200	\$23,200
	Bacc Nursing - BScN/BSN/BN	\$0	\$22,200	\$22,200
	Nursing - Masters	\$0	\$2,000	\$2,000
Technologist/Technician	Nuclear Medicine Tech	\$0	\$17,067	\$17,067
	Clinical Genetics Technologist	\$0	\$14,800	\$14,800
	Medical Laboratory Assistant	\$0	\$4,000	\$4,000
Administration	Health Unit Coordinator/Nursing Unit Clerk	\$0	\$30,593	\$30,593
	Medical Office Assistant	\$0	\$2,933	\$2,933
Food & Nutrition	Dietitian	\$0	\$12,667	\$12,667
Other Health	Masters of Public Health	\$0	\$5,493	\$5,493
	Biomedical Engineer	\$0	\$2,917	\$2,917
	Master of Science in Medical Genetics	\$0	\$2,400	\$2,400
Psychology	Counselling Psychology	\$0	\$10,000	\$10,000
Social Work	Master of Social Work	\$0	\$7,500	\$7,500
Pharmacy	Pharmacy Technician	\$0	\$2,667	\$2,667
Rehabilitation Sciences	Speech & Language Pathologist/Communications	\$0	\$2,640	\$2,640
<b>Grand Total</b>		<b>\$0</b>	<b>\$423,977</b>	<b>\$423,977</b>

## BUILD EFFECTIVE PARTNERSHIPS AND COLLABORATIONS THAT SUPPORT INNOVATION

Table 16 shows the distribution of student hours by educational institution and sub-discipline by fiscal year. Of the 17 educational institutions with an active placement in

FY 2021-22, the top three, BCIT, UBC and Sprott-Shaw College, represent 86% of total student hours.

**TABLE 16:** Distribution of Student Placements by Educational Institution and Sub-discipline by Fiscal Year

Education Institution	Sub-discipline	Total Student Hours		
		FY 19-20	FY 20-21	FY 21-22
<b>BCIT</b>		<b>20,569</b>	<b>18,728</b>	<b>21,913</b>
	Radiation Therapist	18,435	15,668	19,268
	Clinical Genetics Technologist	900	1,560	1,110
	Nuclear Medicine Tech	880	1,200	1,280
	Biomedical Engineer	350		175
	Bacc Nursing - BScN/BSN/BN		300	
	Medical Office Assistant			80
	Radiology Tech	4		
<b>University of British Columbia</b>		<b>3,186</b>	<b>1,652</b>	<b>3,736</b>
	Dietitian	1,400	776	760
	Bacc Nursing - BScN/BSN/BN	612	312	972
	Nurse Practitioner	404	556	832
	Master of Social Work			450
	Physiotherapist	320		
	Pharmacist	320		
	Speech & Language Pathologist/Communications	130		158
	General Practice Residency			160
	Doctor of Dental Medicine		8	140
	Master of Science in Medical Genetics			144
	Nursing - Masters			120
<b>Sprott-Shaw College</b>				<b>896</b>
	Health Unit Coordinator/Nursing Unit Clerk			896
<b>Stenberg College</b>			<b>240</b>	<b>640</b>
	Health Unit Coordinator/Nursing Unit Clerk		240	480
	Pharmacy Technician			160
<b>City University of Seattle</b>				<b>600</b>
	Counselling Psychology			600
<b>Simon Fraser University</b>			<b>412</b>	<b>412</b>
	Masters of Public Health		412	412
<b>University of Victoria</b>		<b>204</b>	<b>619</b>	<b>410</b>
	Nurse Practitioner	100	515	410
	Nursing - Masters	104	104	
<b>Kwantlen Polytechnic University</b>		<b>360</b>		<b>360</b>
	Bacc Nursing - BScN/BSN/BN	360		360
<b>Vancouver Art Therapy Institute</b>		<b>150</b>	<b>150</b>	<b>300</b>
	Art Therapist	150	150	300
<b>Vancouver Community College</b>		<b>1,760</b>	<b>900</b>	<b>300</b>
	Health Unit Coordinator/Nursing Unit Clerk	1,460	600	
	Medical Laboratory Assistant	300	300	300

Education Institution	Sub-discipline	Total Student Hours		
		FY 19-20	FY 20-21	FY 21-22
Ashton College				270
	Health Unit Coordinator/Nursing Unit Clerk			270
Sprott Shaw College				256
	Health Unit Coordinator/Nursing Unit Clerk			256
University of the Fraser Valley			300	150
	Health Unit Coordinator/Nursing Unit Clerk		300	150
Athabasca University			250	150
	Nurse Practitioner		250	150
College of New Caledonia				143
	Health Unit Coordinator/Nursing Unit Clerk			143
Vancouver Career College				140
	Medical Office Assistant			140
Okanagan College				100
	Health Unit Coordinator/Nursing Unit Clerk			100
Camosun College			500	
	Health Unit Coordinator/Nursing Unit Clerk		500	
Capilano University		850		
	Music Therapist	850		
University of British Columbia - Okanagan		450		
	Master of Social Work	450		
Camosun College/University of Victoria			540	
	Bacc Nursing - BScN/BSN/BN		540	
Ryerson University			112	
	Other		112	
University of Waterloo			462	
	Master of Social Work		462	
Selkirk College		240		
	Health Unit Coordinator/Nursing Unit Clerk	240		
CDI College		160		
	Pharmacy Technician	160		
Trinity Western University			100	
	Counselling - Other		100	
Thompson Rivers University		300		
	Registered Nurse	300		
<b>Grand Total</b>		<b>28,229</b>	<b>24,965</b>	<b>30,775</b>

# BC CHILDREN'S HOSPITAL AND SUNNY HILL HEALTH CENTRE (BCCH)



## BUILD STUDENT EDUCATION CAPACITY

### Placement Activity

In FY 2021-22, BC Children's and Sunny Hill Health Centre provided 131,221 student hours, a 24% increase over FY 2020-21 (excluding medical students) of which 53% were one-to-one preceptorships (supervised by a PHSA preceptor/employee) and 47% were group placements

(supervised by an instructor provided by the educational institution). Nursing placements represent 47% of total student hours in FY 2021-22. A breakdown of student hours and students by site, discipline, sub-discipline and fiscal year can be found in Table 17.

**TABLE 17: Total # of Students and Hours by Site, Discipline and Sub-discipline by Fiscal Year**

Discipline/Sub-discipline	FY 19-20		FY 20-21		FY 21-22	
	Total Student Hours	Total # of Students	Total Student Hours	Total # of Students	Total Student Hours	Total # of Students
<b>BCCH</b>	<b>96,351</b>	<b>637</b>	<b>99,084</b>	<b>582</b>	<b>120,297</b>	<b>797</b>
<b>Nursing</b>	<b>51,734</b>	<b>439</b>	<b>45,839</b>	<b>387</b>	<b>53,980</b>	<b>467</b>
Bacc Nursing - BScN/BSN/BN	41,990	323	38,766	324	46,254	395
Post-RN Specialty	5,316	83	3,313	43	3,920	48
Nurse Practitioner	1,321	15	1,312	10	1,714	15
Psychiatric Nursing Bacc - BScN/BN/RPN						
<b>Psych</b>	<b>2,712</b>	<b>16</b>	<b>2,448</b>	<b>10</b>	<b>1,272</b>	<b>5</b>
Registered Nurse	396	2			600	2
Nursing - Masters					220	2
<b>Therapist</b>	<b>9,850</b>	<b>41</b>	<b>19,470</b>	<b>77</b>	<b>21,430</b>	<b>85</b>
Respiratory Therapist	9,800	40	18,620	76	20,580	84
Music Therapist			850	1	850	1
Art Therapist	50	1				
<b>Technologist/Technician</b>	<b>12,137</b>	<b>26</b>	<b>15,404</b>	<b>40</b>	<b>18,351</b>	<b>51</b>
Medical Laboratory Technologist	8,250	10	7,875	5	9,750	10
Sterile Processing Technician			2,396	6	3,188	8
Radiology Tech	3,042	7	3,653	14	1,958	14
Clinical Genetics Technologist			280	1	1,760	5
Nuclear Medicine Tech	320	4	800	10	480	6
Electroencephalograph Technologist					480	3
Medical Laboratory Assistant					300	2
Perfusionist	450	4	240	3	225	2
Sonography Tech					210	1
Medical Radiation Technology	75	1				
MRI Technology/Technician			160	1		
<b>Pharmacy</b>	<b>8,748</b>	<b>47</b>	<b>7,782</b>	<b>28</b>	<b>9,480</b>	<b>54</b>
Pharmacist	7,808	41	7,040	22	8,520	48
Pharmacy Technician	940	6	742	6	960	6
<b>Social Work</b>	<b>4,497</b>	<b>11</b>	<b>3,264</b>	<b>8</b>	<b>6,624</b>	<b>15</b>
Master of Social Work	2,937	7	3,264	8	5,404	11
Child and Youth Care Worker	1,560	4			1,220	4
<b>Rehabilitation Sciences</b>	<b>4,138</b>	<b>26</b>	<b>3,554</b>	<b>16</b>	<b>2,298</b>	<b>12</b>
Occupational Therapist	1,794	8	1,788	8	1,182	6

Discipline/Sub-discipline	FY 19-20		FY 20-21		FY 21-22	
	Total Student Hours	Total # of Students	Total Student Hours	Total # of Students	Total Student Hours	Total # of Students
Physiotherapist	1,372	14	1,044	5	936	5
Rehabilitation Assistant	180	1	218	1	180	1
Speech & Language Pathologist/Communications	576	2	288	1		
Audiologist	216	1	216	1		
Psychology	1,500	5	1,700	4	2,056	4
Psychology (PHD)			1,400	3	1,256	3
Clinical Psychology					800	1
Counselling Psychology	900	3				
Psychology (Masters)	600	2	300	1		
Food & Nutrition	1,080	12	1,880	11	1,696	16
Dietitian	1,080	12	1,880	11	1,696	16
Administration	1,225	13	80	1	1,496	13
Health Unit Coordinator/Nursing Unit Clerk	105	1			1,052	9
Medical Office Assistant	640	8	80	1	384	3
Library and Information Technology Master of Library and Information Services	120	1			60	1
Clerical - General	360	3				
Health Information Management	1,002	13			1,080	18
Health Information Management	1,002	13			1,080	18
Other Health	440	4	40	1	1,122	4
Masters of Public Health			40	1	412	1
Child Life Specialist					360	1
Biomedical Engineer	350	2			350	2
Various - Multidisciplinary/Interdisciplinary	90	2				
Dental Medicine					584	57
Doctor of Dental Medicine					544	56
General Practice Residency					40	1
Non-Health					100	1
Other Non Health Disciplines					100	1
Paramedic			72	9		
Paramedic-Advanced/Critical Care			72	9		
<b>SunnyHill</b>	<b>5,845</b>	<b>58</b>	<b>7,097</b>	<b>62</b>	<b>10,924</b>	<b>97</b>
Nursing	1,984	15	4,284	51	7,200	82
Bacc Nursing - BScN/BSN/BN	1,964	14	4,284	51	7,200	82
Nursing - Masters	20	1				
Rehabilitation Sciences	2,046	14	2,253	10	1,450	9
Occupational Therapist	801	5	1,344	6	632	3
Physiotherapist	860	7	432	2	360	2
Rehabilitation Assistant	385	2	225	1	300	3
Speech & Language Pathologist/Communications			252	1	158	1
Other Health	840	2			1,224	3
Masters of Public Health	840	2			1,224	3
Social Work	900	2			490	2

Discipline/Sub-discipline	FY 19-20		FY 20-21		FY 21-22	
	Total Student Hours	Total # of Students	Total Student Hours	Total # of Students	Total Student Hours	Total # of Students
Master of Social Work	900	2			490	2
Therapist	75	25	560	1	560	1
Recreation Therapist Degree	75	25	560	1	560	1
<b>Grand Total</b>	<b>102,196</b>	<b>695</b>	<b>106,181</b>	<b>644</b>	<b>131,221</b>	<b>894</b>

The Medical Doctor Undergraduate program (MDUG) had a total of 405 distinct students, representing 1,385 placements and 21,882 days at BC Children’s Hospital and Sunny Hill Health Centre facilities from April 1, 2021 – March 31, 2022. See Table 18 for a breakdown by site and specialty.

Please note that the total for the number of distinct students does not represent the sum of the data by site due to the same student having placements in multiple specialties and locations.

**TABLE 18:** MDUG Total # of Distinct Students, Placements and Requested Days by Site and Specialty - FY 2021-22

Site/Specialty	# of Distinct Students	# of Placements	Total # of Days
<b>BCCH</b>	<b>405</b>	<b>1385</b>	<b>21882</b>
Pediatrics	227	391	8,883
Psychiatry	147	295	5,558
Anesthesiology	137	141	1,785
Ophthalmology	208	235	1,722
Cardiology	42	57	812
Medical Biochemistry	26	41	490
Neurology - Pediatric	23	36	476
Urology	29	41	469
Emergency	12	26	364
Otolaryngology	16	30	315
Plastic Surgery	18	29	294
Dermatology	9	13	161
Orthopedic Surgery	9	13	140
Infectious Disease	4	9	119
Diagnostic Radiology	6	8	70
Neurosurgery	4	8	63
Pathology	2	5	63
Endocrinology	2	4	63
Gastroenterology	1	3	35
<b>Grand Total</b>	<b>405</b>	<b>1,385</b>	<b>21,882</b>

The Post Graduate Medical Education program (PGME) had a total of 630 distinct students, representing 2,123 placements and 56,765 days, arriving at BC Children’s Hospital and Sunny Hill Health Centre facilities from April 1, 2021 – March 31, 2022. See Table 19 for a breakdown by site

and specialty. Please note that the total for the number of distinct students does not represent the sum of the data by site due to the same student having placements in multiple specialties and locations.

**TABLE 19: PGME Total # of Distinct Students, Placements and Requested Days by Site and Specialty - FY 2021-22**

Site/Specialty	# of Distinct Students	# of Placements	Total # of Days
<b>BCCH</b>	<b>628</b>	<b>2,067</b>	<b>55,178</b>
Pediatrics	206	682	16,993
Psychiatry	63	223	7,301
Emergency	207	261	6,659
Neurology - Pediatric	51	124	2,858
Critical Care	59	83	2,480
Ophthalmology	31	103	2,317
Anesthesiology	42	67	1,957
ObGyn	45	62	1,657
Endocrinology	23	51	1,532
Otolaryngology	13	48	1,362
Orthopedic Surgery	20	44	1,304
Urology	17	43	1,227
Infectious Disease	21	37	995
Cardiology	21	31	878
Diagnostic Radiology	16	28	812
Gastroenterology	18	27	765
Rheumatology	15	21	587
Medical Biochemistry	14	19	528
Nuclear Medicine	14	18	522
Plastic Surgery	9	15	447
Dermatology	12	17	424
Medical Genetics	9	18	402
Neurosurgery	4	11	340
Physical Medicine & Rehabilitation	5	9	199
Family Medicine	4	8	160
Cardiac Surgery	2	5	140
Neuropathology	3	5	138
Neuroradiology	3	3	84
Medical Oncology	1	2	54
Geriatric Medicine	1	1	28
Hematology	1	1	28
<b>SunnyHill</b>	<b>25</b>	<b>56</b>	<b>1,587</b>
Developmental Pediatrics	21	48	1,363
Physical Medicine & Rehabilitation	2	4	112
Pediatrics	3	4	112
<b>Grand Total</b>	<b>630</b>	<b>2,123</b>	<b>56,765</b>

In FY 2021-22, BCCH and Sunny Hill declined a total of 113 placement requests representing 132 students and 26,978 hours (Note: Requests are for individual and group placements which is why the number of students exceeds

the number of requests.) Top reasons for these declines for all disciplines are shown in Table 20. The top discipline declined is nursing placements. See Appendix B for all PHSA declines by discipline, program and reason for FY 2021-22.

**TABLE 20: # of Students and Hours by Discipline, Site & Reasons for Placement Decline - FY 2021-22**

Discipline/Site/Detailed Decline Reason	Decline Reason Total	Total # of Students	Total # of Student Hrs
<b>Nursing</b>	<b>86</b>	<b>105</b>	<b>20,504</b>
BCCH	80	99	19,463
Closure of beds, unit or program during placement period	3	3	456
Exceptional circumstances (provide explanation)	21	24	5,879
No experienced/trained staff to precept	2	2	225
Number of requests exceed scheduling capacity	13	19	1,396
Number of requests exceeds physical capacity	17	24	4,455
Request not suitable for area requested	2	2	283
No experienced/trained staff to precept > No trained staff to precept	3	6	720
No experienced/trained staff to precept > Other priorities assigned to staff (e.g. Training)	3	3	724
Number of requests exceed available space, equipment or technology	1	1	360
Number of requests exceed available staff or shift rotations	9	9	3,318
Placement request error	6	6	1,647
SunnyHill	6	6	1,041
Number of requests exceeds physical capacity	1	1	195
Student not suitable for area requested	2	2	144
Number of requests exceed available staff or shift rotations	2	2	507
Placement request error	1	1	195
<b>Social Work</b>	<b>5</b>	<b>5</b>	<b>2,358</b>
BCCH	4	4	1,908
Exceptional circumstances (provide explanation)	1	1	462
No experienced/trained staff to precept	3	3	1,446
SunnyHill	1	1	450
No experienced/trained staff to precept	1	1	450
<b>Psychology</b>	<b>5</b>	<b>5</b>	<b>2,100</b>
BCCH	4	4	1,800
No Reply from Destination (RC users)	1	1	300
Number of requests exceeds physical capacity	2	2	1,100
Request not suitable for area requested	1	1	400
SunnyHill	1	1	300
No Reply from Destination (RC users)	1	1	300
<b>Administration</b>	<b>12</b>	<b>12</b>	<b>1,520</b>
BCCH	11	11	1,392
No experienced/trained staff to precept	2	2	240
No Reply from Destination (RC users)	5	5	640
No experienced/trained staff to precept > No trained staff to precept	4	4	512
SunnyHill	1	1	128
No Reply from Destination (RC users)	1	1	128
<b>Rehabilitation Sciences</b>	<b>1</b>	<b>1</b>	<b>200</b>
SunnyHill	1	1	200
Closure of beds, unit or program during placement period	1	1	200

Discipline/Site/Detailed Decline Reason	Decline Reason Total	Total # of Students	Total # of Student Hrs
<b>Pharmacy</b>	<b>1</b>	<b>1</b>	<b>160</b>
BCCH	1	1	160
Number of requests exceed available staff or shift rotations	1	1	160
<b>Technologist/Technician</b>	<b>1</b>	<b>1</b>	<b>120</b>
BCCH	1	1	120
Exceptional circumstances (provide explanation)	1	1	120
<b>Non-Health</b>	<b>2</b>	<b>2</b>	<b>16</b>
BCCH	2	2	16
Request not suitable for area requested	2	2	16
<b>Grand Total</b>	<b>113</b>	<b>132</b>	<b>26,978</b>

Table 21 shows the estimated cost of staff time by discipline and sub-discipline for FY 2021-22. Excluded from this table is estimated cost related to medical students.

**TABLE 21:** Estimated Cost of Preceptor Time by Discipline, Sub-discipline and Encounter Type – FY 2021-22

Discipline	Sub-discipline	Group Cost	One to One Cost	Total Cost
Nursing	Bacc Nursing - BScN/BSN/BN	\$90,790	\$285,633	\$376,423
	Post-RN Specialty	\$4,800	\$33,333	\$38,133
	Nurse Practitioner	\$0	\$28,567	\$28,567
	Psychiatric Nursing Bacc - BScN/BN/RPN Psych	\$0	\$21,200	\$21,200
	Registered Nurse	\$0	\$10,000	\$10,000
	Nursing - Masters	\$0	\$3,667	\$3,667
Therapist	Music Therapist	\$0	\$11,333	\$11,333
	Recreation Therapist Degree	\$0	\$7,467	\$7,467
	Respiratory Therapist	\$41,160	\$0	\$41,160
Technologist/Technician	Medical Laboratory Technologist	\$0	\$130,000	\$130,000
	Radiology Tech	\$64	\$25,680	\$25,744
	Clinical Genetics Technologist	\$0	\$23,467	\$23,467
	Electroencephalograph Technologist	\$0	\$6,400	\$6,400
	Nuclear Medicine Tech	\$0	\$6,400	\$6,400
	Medical Laboratory Assistant	\$0	\$4,000	\$4,000
	Perfusionist	\$0	\$3,000	\$3,000
	Sonography Tech	\$0	\$2,800	\$2,800
	Sterile Processing Technician	\$6,375	\$0	\$6,375
	Pharmacy	Pharmacist	\$0	\$142,000
Pharmacy Technician		\$0	\$16,000	\$16,000
Social Work	Master of Social Work	\$0	\$98,233	\$98,233
	Child and Youth Care Worker	\$0	\$20,333	\$20,333
Rehabilitation Sciences	Occupational Therapist	\$0	\$30,225	\$30,225
	Physiotherapist	\$0	\$21,600	\$21,600
	Rehabilitation Assistant	\$0	\$8,000	\$8,000
	Speech & Language Pathologist/Communications	\$0	\$2,640	\$2,640
Other Health	Masters of Public Health	\$0	\$21,813	\$21,813
	Child Life Specialist	\$0	\$6,000	\$6,000
	Biomedical Engineer	\$0	\$5,833	\$5,833

Discipline	Sub-discipline	Group Cost	One to One Cost	Total Cost
Psychology	Psychology (PHD)	\$0	\$20,933	\$20,933
	Clinical Psychology	\$0	\$13,333	\$13,333
Food & Nutrition	Dietitian	\$0	\$28,267	\$28,267
Administration	Health Unit Coordinator/Nursing Unit Clerk	\$0	\$14,027	\$14,027
	Medical Office Assistant	\$0	\$5,120	\$5,120
	Library and Information Technology	\$0	\$800	\$800
Health Information Management	Health Information Management	\$0	\$14,400	\$14,400
Non-Health	Other Non Health Disciplines	\$0	\$1,333	\$1,333
<b>Grand Total</b>		<b>\$143,189</b>	<b>\$1,073,838</b>	<b>\$1,217,028</b>

## BUILD EFFECTIVE PARTNERSHIPS AND COLLABORATIONS THAT SUPPORT INNOVATION

Table 22 shows the distribution of student hours by educational institution and sub-discipline by fiscal year. Of the 28 educational institutions with an active placement in

FY 2021-22, the top three, BCIT, UBC, and Thompson Rivers University, represent 61% of all student hours.

**TABLE 22:** Distribution of Student Placements by Educational Institution and Sub-discipline by FY

Education Institution	Sub-discipline	Total Student Hours		
		FY 19-20	FY 20-21	FY 21-22
<b>BCIT</b>		<b>24,869</b>	<b>23,169</b>	<b>30,141</b>
	Medical Laboratory Technologist	8,250	7,875	9,750
	Bacc Nursing - BScN/BSN/BN	6,501	6,768	10,940
	Post-RN Specialty	5,316	3,313	3,920
	Radiology Tech	3,042	3,653	1,926
	Clinical Genetics Technologist		280	1,760
	Nuclear Medicine Tech	320	800	480
	Perfusionist	450	240	225
	Medical Office Assistant	640	80	
	Biomedical Engineer	350		350
	Electroencephalograph Technologist			480
	Sonography Tech			210
	Magnetic Resonance Imaging (MRI) Technology/Technician		160	
	Other Non Health Disciplines			100
<b>University of British Columbia</b>		<b>26,237</b>	<b>25,436</b>	<b>29,230</b>
	Bacc Nursing - BScN/BSN/BN	8,474	8,112	12,224
	Pharmacist	7,808	7,040	8,320
	Occupational Therapist	2,595	3,132	1,814
	Master of Social Work	2,025	1,688	2,700
	Physiotherapist	2,232	1,476	1,296
	Dietitian	1,040	1,880	1,696
	Speech & Language Pathologist/Communications	576	540	158
	Psychology (PHD)		1,000	16
	Nurse Practitioner	441	312	202
	Counselling Psychology	600		
	Doctor of Dental Medicine			544
	Audiologist	216	216	
	Nursing - Masters	20		220
	Master of Library and Information Services	120		
	Various - Multidisciplinary/Interdisciplinary	90		
	General Practice Residency			40
	Masters of Public Health		40	
<b>Thompson Rivers University</b>		<b>10,100</b>	<b>18,620</b>	<b>21,180</b>
	Respiratory Therapist	9,800	18,620	20,580
	Registered Nurse	300		600
<b>Douglas College</b>		<b>9,915</b>	<b>10,782</b>	<b>9,769</b>
	Bacc Nursing - BScN/BSN/BN	7,720	9,142	7,049
	Psychiatric Nursing Bacc - BScN/BN/RPN Psych	1,448	1,080	1,080
	Health Information Management	672		1,080
	Recreation Therapist Degree	75	560	560
<b>Langara College</b>		<b>12,049</b>	<b>6,942</b>	<b>8,520</b>

Education Institution	Sub-discipline	Total Student Hours		
		FY 19-20	FY 20-21	FY 21-22
	Bacc Nursing - BScN/BSN/BN	12,049	6,942	8,520
<b>Kwantlen Polytechnic University</b>		<b>7,818</b>	<b>7,482</b>	<b>6,971</b>
	Bacc Nursing - BScN/BSN/BN	6,458	6,114	6,779
	Psychiatric Nursing Bacc - BScN/BN/RPN Psych	1,264	1,368	192
	Registered Nurse	96		
<b>Vancouver Community College</b>		<b>525</b>	<b>5,195</b>	<b>6,714</b>
	Sterile Processing Technician		2,396	3,188
	Bacc Nursing - BScN/BSN/BN		2,352	2,646
	Pharmacy Technician	300	222	160
	Rehabilitation Assistant	225	225	
	Health Unit Coordinator/Nursing Unit Clerk			420
	Medical Laboratory Assistant			300
<b>Trinity Western University</b>		<b>2,352</b>	<b>3,240</b>	<b>3,456</b>
	Bacc Nursing - BScN/BSN/BN	2,352	3,240	3,456
<b>University of the Fraser Valley</b>		<b>1,650</b>		<b>2,726</b>
	Child and Youth Care Worker	1,200		1,220
	Bacc Nursing - BScN/BSN/BN			1,056
	Master of Social Work	450		450
<b>Simon Fraser University</b>		<b>1,440</b>	<b>300</b>	<b>2,476</b>
	Masters of Public Health	840		1,236
	Psychology (PHD)			1,240
	Psychology (Masters)	600	300	
<b>University of Windsor</b>				<b>1,220</b>
	Clinical Psychology			800
	Master of Social Work			420
<b>University of Victoria</b>		<b>1,110</b>	<b>800</b>	<b>1,212</b>
	Nurse Practitioner	810	400	1,212
	Psychology (PHD)		400	
	Counselling Psychology	300		
<b>Wilfrid Laurier University</b>		<b>462</b>	<b>338</b>	<b>950</b>
	Master of Social Work	462	338	950
<b>Renison University College</b>				<b>924</b>
	Master of Social Work			924
<b>Sprott-Shaw College</b>				<b>896</b>
	Health Unit Coordinator/Nursing Unit Clerk			512
	Medical Office Assistant			384
<b>Capilano University</b>		<b>160</b>	<b>1,068</b>	<b>850</b>
	Music Therapist		850	850
	Rehabilitation Assistant	160	218	
<b>Stenberg College</b>		<b>1,105</b>	<b>520</b>	<b>760</b>
	Pharmacy Technician	640	520	640
	Clerical - General	360		
	Health Unit Coordinator/Nursing Unit Clerk	105		120
<b>University of Toronto</b>			<b>600</b>	<b>500</b>
	Nurse Practitioner		600	300
	Pharmacist			200
<b>University of British Columbia - Okanagan</b>		<b>450</b>	<b>900</b>	<b>450</b>
	Master of Social Work	450	900	450
<b>Lakehead University</b>				<b>400</b>

Education Institution	Sub-discipline	Total Student Hours		
		FY 19-20	FY 20-21	FY 21-22
	Masters of Public Health			400
Queens University				400
	Bacc Nursing - BScN/BSN/BN			400
Camosun College/University of Victoria				384
	Bacc Nursing - BScN/BSN/BN			384
Okanagan College		180		360
	Rehabilitation Assistant	180		360
McMaster University		360		360
	Child Life Specialist			360
	Child and Youth Care Worker	360		
CDI College				160
	Pharmacy Technician			160
College of the North Atlantic				120
	Rehabilitation Assistant			120
Langara College				60
	Library and Information Technology			60
Camosun College				32
	Radiology Tech			32
Vancouver Art Therapy Institute		50		
	Art Therapist	50		
Justice Institute of BC			72	
	Paramedic-Advanced/Critical Care		72	
York University			338	
	Master of Social Work		338	
University of Northern British Columbia		450		
	Master of Social Work	450		
McGill University		400		
	Bacc Nursing - BScN/BSN/BN	400		
HealthcareCAN		70		
	Health Information Management	70		
Center for Distance Education		225		
	Health Information Management	225		
University of Saskatchewan		40		
	Dietitian	40		
Confederate College		75		
	Medical Radiation Technology	75		
Athabasca University		70	380	
	Bacc Nursing - BScN/BSN/BN		380	
	Nurse Practitioner	70		
CAN-Cdn Healthcare Association		35		
	Health Information Management	35		
<b>Grand Total</b>		<b>102,196</b>	<b>106,181</b>	<b>131,221</b>

# BC WOMEN'S HOSPITAL & HEALTH CENTRE (BCW)

## BUILD STUDENT EDUCATION CAPACITY

### Placement Activity

In FY 2021-22, BCW provided 45,954 student hours, an increase of 54% from FY 2020-21 (excluding medical students) of which 59% were one-to-one preceptorships (supervised by a PHSA preceptor/employee) and 41% were group placements (supervised by an instructor provided by

the educational institution). Nursing placements represent 73% of total student hours in FY 2021-22. A breakdown of student hours and students by site, discipline, sub-discipline, and fiscal year can be found in Table 23.

**TABLE 23:** Total # of Students and Hours by Site, Discipline and Sub-discipline by Fiscal Year

Discipline/Sub-discipline	FY 19-20		FY 20-21		FY 21-22	
	Total Student Hours	Total # of Students	Total Student Hours	Total # of Students	Total Student Hours	Total # of Students
<b>BCW</b>	<b>40,905</b>	<b>367</b>	<b>29,915</b>	<b>251</b>	<b>45,954</b>	<b>362</b>
Nursing	31,511	272	24,080	200	33,775	279
Bacc Nursing - BScN/BSN/BN	18,386	149	13,685	104	22,018	168
Post-RN Specialty	12,508	115	9,963	94	11,409	108
Nurse Practitioner	473	5			308	2
Nursing - Masters	144	3	72	1	40	1
Psychiatric Nursing Bacc - BScN/BN/RPN Psych			360	1		
Other Health	3,846	35	2,472	6	4,824	15
Master of Science in Medical Genetics					3,972	12
Masters of Public Health	3,360	8	2,472	6	852	3
Therapeutic Touch Practitioner	486	27				
Technologist/Technician	2,359	13	1,881	11	2,240	12
Sonography Tech	2,359	13	1,881	11	2,240	12
Administration	1,106	11	680	8	2,144	23
Medical Office Assistant	160	2	480	6	1,040	13
Health Unit Coordinator/Nursing Unit Clerk	778	7	200	2	1,020	9
Medical Transcriptionist	168	2			84	1
Social Work	675	2	450	1	450	1
Master of Social Work	675	2	450	1	450	1
Medicine					1,520	12
Midwifery					1,520	12
Food & Nutrition	40	1	160	1	440	2
Dietitian	40	1	160	1	440	2
Paramedic	224	28	192	24	120	15
Paramedic-Advanced/Critical Care	224	28	192	24	120	15
Rehabilitation Sciences	144	1			369	2
Occupational Therapist	144	1			369	2
Pharmacy	500	3				
Pharmacy Technician	160	1				
Pharmacist	340	2				
Psychology	500	1				
Counselling Psychology	500	1				
Health Information Management					73	1

Discipline/Sub-discipline	FY 19-20		FY 20-21		FY 21-22	
	Total Student Hours	Total # of Students	Total Student Hours	Total # of Students	Total Student Hours	Total # of Students
Other					73	1
<b>Grand Total</b>	<b>40,905</b>	<b>367</b>	<b>29,915</b>	<b>251</b>	<b>45,954</b>	<b>362</b>

The Medical Doctor Undergraduate program (MDUG) had a total of 212 distinct students, representing 343 placements and 4,795 days, arriving at BC Women’s Hospital facilities from April 1, 2021 – March 31, 2022. See Table 24 for a

breakdown by site and specialty. Please note that the total for the number of distinct students does not represent the sum of the data by site due to the same student having placements in multiple specialties and locations.

**TABLE 24:** MDUG Total # of Distinct Students, Placements and Requested Days by Site and Specialty - FY 2021-22

Site/Specialty	# of Distinct Students	# of Placements	Total # of Days
BCW	212	343	4,795
Anesthesiology	166	173	2,016
ObGyn	55	111	2,009
Family Medicine	21	45	637
Psychiatry	7	10	98
Medical Genetics	3	4	35
<b>Grand Total</b>	<b>212</b>	<b>343</b>	<b>4,795</b>

The Post Graduate Medical Education program (PGME) had a total of 295 distinct students, representing 671 placements and 17,503 days, arriving at BC Women’s Hospital facilities from April 1, 2021 – March 31, 2022. See Table 25 for a

breakdown by site and specialty. Please note that the total for the number of distinct students does not represent the sum of the data by site due to the same student having placements in multiple specialties and locations.

**TABLE 25:** PGME Total # of Distinct Students, Placements and Requested Days by Site and Specialty - FY 2021-22

Site/Specialty	# of Distinct Students	# of Placements	Total # of Days
BCW	295	671	17,503
ObGyn	119	323	8,717
Anesthesiology	38	75	2,085
Neonatal Perinatal Medicine	35	77	1,778
Medical Genetics	9	38	997
Emergency Medicine - Pediatrics	27	30	802
Infectious Disease	20	24	520
Psychiatry	7	16	509
Pediatrics	14	23	476
Urology	12	15	431
Diagnostic Radiology	11	13	370
Family Medicine	12	18	280
General Internal Medicine	3	9	255
Hematology	6	7	199
Geriatric Medicine	3	3	84
<b>Grand Total</b>	<b>295</b>	<b>671</b>	<b>17,503</b>

In FY 2021-22, BCW declined a total of 64 placement requests representing 65 students and 15,356 hours. Requests are for individual and group placements which is why the number of students exceeds the number of

requests. Top reasons for these declines for all sites are shown in Table 26. The top discipline declined is nursing placements. See Appendix B for all PHSA declines by discipline, program, and reason for FY 2021-22.

**TABLE 26: # of Students and Hours by Discipline, Site and Reasons for Placement Decline - FY 2021-22**

Discipline/Site/Detailed Decline Reason	Decline Reason Total	Total # of Students	Total # of Student Hrs
<b>Nursing</b>	<b>42</b>	<b>43</b>	<b>10,418</b>
BCW	42	43	10,418
Closure of beds, unit or program during placement period	1	1	195
Exceptional circumstances (provide explanation)	3	3	667
No experienced/trained staff to precept	2	2	883
No Reply from Destination (RC users)	1	2	160
Number of requests exceed scheduling capacity	1	1	408
Number of requests exceeds physical capacity	14	14	2,719
Request not suitable for area requested	5	5	1,224
Individual student not suitable for area requested	3	3	984
Number of requests exceed available staff or shift rotations	3	3	936
On-Site Hazard/Event > Outbreak (e.g. COVID)	1	1	220
Placement request error	7	7	1,878
Clinical service(s) has changed	1	1	144
<b>Administration</b>	<b>11</b>	<b>11</b>	<b>1,344</b>
BCW	11	11	1,344
No Reply from Destination (RC users)	1	1	80
Number of requests exceed scheduling capacity	1	1	128
Number of requests exceeds physical capacity	5	5	640
Request not suitable for area requested	1	1	128
No experienced staff to precept > Other priorities assigned to staff (Training)	3	3	368
<b>Social Work</b>	<b>3</b>	<b>3</b>	<b>1,332</b>
BCW	3	3	1,332
Exceptional circumstances (provide explanation)	1	1	462
No experienced/trained staff to precept	1	1	450
Request not suitable for area requested	1	1	420
<b>Technologist/Technician</b>	<b>3</b>	<b>3</b>	<b>1,150</b>
BCW	3	3	1,150
Number of requests exceed available staff or shift rotations	2	2	1,000
Alternate location identified by RA (new PR created)	1	1	150
<b>Psychology</b>	<b>2</b>	<b>2</b>	<b>800</b>
BCW	2	2	800
No experienced/trained staff to precept	1	1	500
No Reply from Destination (RC users)	1	1	300
<b>Pharmacy</b>	<b>1</b>	<b>1</b>	<b>180</b>
BCW	1	1	180
Number of requests exceeds physical capacity	1	1	180
<b>Medicine</b>	<b>2</b>	<b>2</b>	<b>132</b>
BCW	2	2	132
Number of requests exceeds physical capacity	2	2	132
<b>Grand Total</b>	<b>64</b>	<b>65</b>	<b>15,356</b>

Table 27 shows the estimated cost of staff time by discipline for FY 2021-22. Excluded from this table is estimated cost related to medical students.

**TABLE 27:** Estimated Cost of Preceptor Time by Discipline, Sub-discipline and Encounter Type - FY 2021-22

Discipline	Sub-discipline	Group Cost	One to One Cost	Total Cost
Nursing	Bacc Nursing - BScN/BSN/BN	\$33,253	\$145,283	\$178,536
	Post-RN Specialty	\$13,043	\$103,200	\$116,243
	Nurse Practitioner	\$0	\$5,125	\$5,125
	Nursing - Masters	\$0	\$667	\$667
Other Health	Master of Science in Medical Genetics	\$0	\$66,200	\$66,200
	Masters of Public Health	\$0	\$11,360	\$11,360
Technologist/Technician	Sonography Tech	\$0	\$29,867	\$29,867
Administration	Medical Office Assistant	\$0	\$13,867	\$13,867
	Health Unit Coordinator/Nursing Unit Clerk	\$0	\$13,600	\$13,600
	Medical Transcriptionist	\$0	\$1,120	\$1,120
Social Work	Master of Social Work	\$0	\$7,500	\$7,500
Food & Nutrition	Dietitian	\$0	\$7,333	\$7,333
Rehabilitation Sciences	Occupational Therapist	\$0	\$6,150	\$6,150
Paramedic	Paramedic-Advanced/Critical Care	\$300	\$0	\$300
<b>Grand Total</b>		<b>\$46,595</b>	<b>\$411,272</b>	<b>\$457,867</b>

## BUILD EFFECTIVE PARTNERSHIPS AND COLLABORATIONS THAT SUPPORT INNOVATION

Table 28 shows the distribution of student hours by educational institution and sub-discipline by fiscal year. Of the 11 educational institutions with an active placement in

FY 2021-22, the top three, BCIT, UBC, and Langara, represent 83% of all student hours.

**TABLE 28:** Distribution of Student Placements by Educational Institution and Sub-discipline by Fiscal Year

Education Institution	Sub-discipline	Total Student Hours		
		FY 19-20	FY 20-21	FY 21-22
<b>BCIT</b>		<b>20,679</b>	<b>15,252</b>	<b>22,158</b>
	Post-RN Specialty	12,508	9,963	11,409
	Bacc Nursing - BScN/BSN/BN	5,652	2,928	7,469
	Sonography Tech	2,359	1,881	2,240
	Medical Office Assistant	160	480	1,040
<b>University of British Columbia</b>		<b>6,310</b>	<b>2,872</b>	<b>9,887</b>
	Bacc Nursing - BScN/BSN/BN	4,733	2,640	3,056
	Master of Science in Medical Genetics			3,972
	Midwifery			1,520
	Master of Social Work	225		450
	Dietitian	40	160	440
	Occupational Therapist	144		369
	Counselling Psychology	500		
	Pharmacist	340		
	Nurse Practitioner	288		
	Nursing - Masters	40	72	40
	Masters of Public Health			40
<b>Langara College</b>		<b>6,105</b>	<b>2,808</b>	<b>6,126</b>
	Bacc Nursing - BScN/BSN/BN	5,619	2,808	6,126
	Therapeutic Touch Practitioner	486		
<b>Vancouver Community College</b>		<b>1,904</b>	<b>1,424</b>	<b>3,024</b>
	Bacc Nursing - BScN/BSN/BN	1,536	1,224	2,520
	Health Unit Coordinator/Nursing Unit Clerk	200	200	420
	Medical Transcriptionist	168		84
<b>Kwantlen Polytechnic University</b>		<b>730</b>	<b>4,085</b>	<b>2,847</b>
	Bacc Nursing - BScN/BSN/BN	730	3,725	2,847
	Psychiatric Nursing Bacc - BScN/BN/RPN Psych		360	
<b>Stenberg College</b>		<b>738</b>		<b>600</b>
	Health Unit Coordinator/Nursing Unit Clerk	578		600
	Pharmacy Technician	160		
<b>Simon Fraser University</b>		<b>3,360</b>	<b>2,472</b>	<b>412</b>
	Masters of Public Health	3,360	2,472	412
<b>University of Alberta</b>				<b>400</b>
	Masters of Public Health			400
<b>University of Victoria</b>		<b>739</b>		<b>308</b>
	Nurse Practitioner	185		308
	Master of Social Work	450		
	Nursing - Masters	104		
<b>Justice Institute of BC</b>		<b>224</b>	<b>192</b>	<b>120</b>
	Paramedic-Advanced/Critical Care	224	192	120

Education Institution	Sub-discipline	Total Student Hours		
		FY 19-20	FY 20-21	FY 21-22
Saskatchewan Polytechnic				73
	Health Information Management			73
Douglas College		116		
	Bacc Nursing - BScN/BSN/BN	116		
University of British Columbia - Okanagan			450	
	Master of Social Work		450	
Trinity Western University			360	
	Bacc Nursing - BScN/BSN/BN		360	
<b>Grand Total</b>		<b>40,905</b>	<b>29,915</b>	<b>45,954</b>

# BC MENTAL HEALTH AND SUBSTANCE USE SERVICES (BCMHSUS)



BC MENTAL HEALTH  
& SUBSTANCE USE SERVICES  
Provincial Health Services Authority

## BUILD STUDENT EDUCATION CAPACITY

### Placement Activity

In FY 2021-22, BCMHSUS provided 38,909 student hours, a 19% increase over FY 2020-21 (excluding medical students) of which 62% were one-to-one preceptorships (supervised by a PHSA preceptor/employee) and 38% were group placements (supervised by an instructor provided by the educational institution). Nursing placements represent 64%

of total student hours in FY 2021-22. A breakdown of student hours and students by site, discipline, sub-discipline and fiscal year can be found in Table 29. Note: during FY 21-22 Burnaby Center (BbyCtrMH) closed and Red Fish Healing Center (RFHC) opened, and the student placements at both sites is reflected accordingly below.

**TABLE 29:** Total # of Students and Hours by Site, Discipline and Sub-discipline by Fiscal Year

Discipline/Sub-discipline	FY 19-20		FY 20-21		FY 21-22	
	Total Student Hours	Total # of Students	Total Student Hours	Total # of Students	Total Student Hours	Total # of Students
<b>Forensic</b>	8,232	40	9,590	60	12,557	75
Nursing	3,496	24	6,023	48	5,917	51
Bacc Nursing - BScN/BSN/BN	2,496	16	3,627	33	5,128	47
Psychiatric Nursing Bacc - BScN/BN/RPN Psych	1,000	8	1,676	13	789	4
Psychiatric Nursing - Diploma			720	2		
Social Work	2,419	6	2,037	5	1,528	4
Bachelor of Social Work	1,519	4	2,037	5	1,190	3
Master of Social Work	900	2			338	1
Psychology	500	1	715	3	2,244	6
Psychology (PHD)			415	2	1,480	4
Counselling Psychology	500	1	300	1	764	2
Rehabilitation Sciences	888	4	675	3	1,388	6
Occupational Therapist	888	4	225	1	975	4
Rehabilitation Assistant			450	2	413	2
Pharmacy	640	2			640	5
Pharmacist	640	2			640	5
Therapist	245	2	140	1	840	3
Recreation Therapist Degree	245	2	140	1	840	3
Other Health	45	1				
Community Health Worker	45	1				
<b>RFHC</b>					12,169	114
Nursing					10,566	110
Bacc Nursing - BScN/BSN/BN					6,396	74
Psychiatric Nursing Bacc - BScN/BN/RPN Psych					3,786	32
Psychiatric Nursing - Diploma					384	4
Psychology					1,025	2
Psychology (Masters)					1,025	2
Social Work					450	1
Master of Social Work					450	1

Discipline/Sub-discipline	FY 19-20		FY 20-21		FY 21-22	
	Total Student Hours	Total # of Students	Total Student Hours	Total # of Students	Total Student Hours	Total # of Students
Administration					128	1
Health Unit Coordinator/Nursing Unit Clerk					128	1
<b>BbyCtrMH</b>	<b>14,027</b>	<b>102</b>	<b>16,120</b>	<b>110</b>	<b>7,743</b>	<b>37</b>
Nursing	12,169	93	12,676	100	5,625	30
Psychiatric Nursing Bacc - BScN/BN/RPN Psych	3,333	15	4,140	16	2,349	9
Bacc Nursing - BScN/BSN/BN	7,660	74	6,328	75	1,890	17
Psychiatric Nursing - Diploma	1,080	3	1,620	5	1,290	3
Registered Nurse	96	1	588	4	96	1
Therapist	560	1	940	2	850	1
Music Therapist			940	2	850	1
Recreation Therapist Degree	560	1				
Social Work	427	2	1,054	3	525	1
Bachelor of Social Work	287	1	798	2	525	1
Social Services Worker Certificate	140	1				
Master of Social Work			256	1		
Psychology	448	4	700	1	375	2
Psychology (Masters)	448	4	700	1	375	2
Rehabilitation Sciences	263	1	551	3		
Occupational Therapist	263	1	551	3		
Pharmacy	160	1	200	1	168	2
Pharmacist	160	1	200	1	168	2
Other Health					200	1
Community Health and Preventive Medicine					200	1
<b>CHS</b>	<b>3,033</b>	<b>21</b>	<b>4,316</b>	<b>24</b>	<b>4,496</b>	<b>31</b>
Nursing	2,509	19	3,338	21	2,940	22
Bacc Nursing - BScN/BSN/BN	2,264	17	2,563	17	2,536	14
Licensed Practical Nurse	245	2	65	1	404	8
Psychiatric Nursing - Diploma			360	1		
Nurse Practitioner			350	2		
Social Work	524	2	450	1	420	1
Bachelor of Social Work	524	2			420	1
Master of Social Work			450	1		
Administration			128	1	896	7
Health Unit Coordinator/Nursing Unit Clerk			128	1	768	6
Medical Office Assistant					128	1
Psychology			400	1		
Psychology (PHD)			400	1		
Other Health					240	1
Community Health and Preventive Medicine					240	1
<b>MentHthAdc</b>	<b>2,902</b>	<b>12</b>	<b>2,868</b>	<b>8</b>	<b>1,945</b>	<b>5</b>
Other Health	1,615	4	1,920	4	1,270	4
Masters of Public Health	1,615	4	1,920	4	1,270	4
Nursing	1,052	5	808	3		
Bacc Nursing - BScN/BSN/BN	156	1	88	1		
Psychiatric Nursing Bacc - BScN/BN/RPN Psych	800	3	720	2		
Nurse Practitioner	96	1				
Social Work					675	1
Master of Social Work					675	1

Discipline/Sub-discipline	FY 19-20		FY 20-21		FY 21-22	
	Total Student Hours	Total # of Students	Total Student Hours	Total # of Students	Total Student Hours	Total # of Students
Therapist	105	1	140	1		
Recreation Therapist Degree	105	1	140	1		
Pharmacy	130	2				
Pharmacist	130	2				
<b>Grand Total</b>	<b>28,193</b>	<b>175</b>	<b>32,894</b>	<b>202</b>	<b>38,909</b>	<b>262</b>

The Medical Doctor Undergraduate program (MDUG) had a total of 5 distinct students, representing 9 placements and 98 days, arriving at BC Mental Health and Substance Use facilities from April 1, 2021 – March 31, 2022. See Table 30

for a breakdown by site and specialty. Please note that the total for the number of distinct students does not represent the sum of the data by site due to the same student having placements in multiple specialties and locations.

**TABLE 30: MDUG Total # of Distinct Students, Placements and Requested Days by Site and Specialty - FY 2021-22**

Site/Specialty	# of Distinct Students	# of Placements	Total # of Days
Forensic	5	9	98
Forensic Psychiatry	5	9	98
<b>Grand Total</b>	<b>5</b>	<b>9</b>	<b>98</b>

The Post Graduate Medical Education program (PGME) had a total of 5 distinct students, representing 15 placements and 513 days, arriving at BC Mental Health and Substance Use facilities from April 1, 2021 – March 31, 2022. See Table 31 for a breakdown by site and specialty. Please note that

the total for the number of distinct students does not represent the sum of the data by site due to the same student having placements in multiple specialties and locations.

**TABLE 31: PGME Total # of Distinct Students, Placements and Requested Days by Site and Specialty - FY 2021-22**

Site/Specialty	# of Distinct Students	# of Placements	Total # of Days
Forensic	4	11	364
Psychiatry	2	7	245
Forensic Psychiatry	2	4	119
BbyCtrMH	1	3	123
Psychiatry	1	3	123
RFHC	1	1	26
Infectious Disease - Adult	1	1	26
<b>Grand Total</b>	<b>5</b>	<b>15</b>	<b>513</b>

In FY 2021-22, BCMHSUS facilities declined a total of 112 placement requests representing 128 students and 29,764 hours. Requests are for individual and group placements which is why the number of students exceeds the number of

requests. Top reasons for these declines for all sites are shown in Table 32. The top discipline declined is nursing placements. See Appendix B for all PHSA declines by discipline, program, and reason for FY 2021-22.

**TABLE 32: # of Students and Hours by Discipline, Site and Reasons for Placement Decline - FY 2021-22**

Discipline/Site/Detailed Decline Reason	Decline Reason Total	Total # of Students	Total # of Student Hrs
<b>Nursing</b>	<b>69</b>	<b>85</b>	<b>17,602</b>
BbyCtrMH	17	26	3,933

Discipline/Site/Detailed Decline Reason	Decline Reason Total	Total # of Students	Total # of Student Hrs
Closure of beds, unit or program during placement period	6	12	1,056
No experienced/trained staff to precept	3	3	1,080
On-Site Hazard/Event	3	6	528
Clinical service(s) has changed	5	5	1,269
<b>CHS</b>	<b>8</b>	<b>8</b>	<b>1,751</b>
Exceptional circumstances (provide explanation)	1	1	360
No experienced/trained staff to precept	3	3	420
Clinical service(s) has changed	1	1	360
Number of requests exceed available staff or shift rotations	3	3	611
<b>Forensic</b>	<b>26</b>	<b>26</b>	<b>7,667</b>
No experienced/trained staff to precept	4	4	1,320
No Reply from Destination (RC users)	1	1	299
Number of requests exceed scheduling capacity	3	3	600
Number of requests exceeds physical capacity	10	10	3,648
Number of requests exceed available staff or shift rotations	8	8	1,800
<b>MentHthAdc</b>	<b>5</b>	<b>5</b>	<b>735</b>
Number of requests exceed scheduling capacity	1	1	240
Number of requests exceeds physical capacity	2	2	90
Request not suitable for area requested	1	1	45
No experienced/trained staff to precept > Other priorities assigned to staff (e.g. Training)	1	1	360
<b>RFHC</b>	<b>13</b>	<b>20</b>	<b>3,516</b>
Number of requests exceed available staff or shift rotations	13	20	3,516
<b>Social Work</b>	<b>16</b>	<b>16</b>	<b>5,699</b>
<b>BbyCtrMH</b>	<b>2</b>	<b>2</b>	<b>900</b>
No experienced/trained staff to precept	1	1	450
Number of requests exceeds physical capacity	1	1	450
<b>CHS</b>	<b>2</b>	<b>2</b>	<b>728</b>
Request not suitable for area requested	2	2	728
<b>Forensic</b>	<b>7</b>	<b>7</b>	<b>2,345</b>
No experienced/trained staff to precept	1	1	441
Request not suitable for area requested	1	1	350
No experienced/trained staff to precept > Due to Staff leave	1	1	350
No experienced/trained staff to precept > Unfilled position(s) within unit/program	2	2	406
Number of requests exceed available space, equipment or technology	2	2	798
<b>MentHthAdc</b>	<b>3</b>	<b>3</b>	<b>928</b>
Number of requests exceed scheduling capacity	2	2	900
No experienced/trained staff to precept > Other priorities assigned to staff (e.g. Training)	1	1	28
<b>RFHC</b>	<b>2</b>	<b>2</b>	<b>798</b>
Number of requests exceed available staff or shift rotations	2	2	798
<b>Psychology</b>	<b>10</b>	<b>10</b>	<b>3,700</b>
<b>BbyCtrMH</b>	<b>1</b>	<b>1</b>	<b>500</b>
Request not suitable for area requested	1	1	500
<b>Forensic</b>	<b>7</b>	<b>7</b>	<b>2,600</b>
Number of requests exceeds physical capacity	2	2	700
No experienced/trained staff to precept > No trained staff to precept	4	4	1,600
Number of requests exceed available staff or shift rotations	1	1	300

Discipline/Site/Detailed Decline Reason	Decline Reason Total	Total # of Students	Total # of Student Hrs
MentHthAdc	2	2	600
No Reply from Destination (RC users)	2	2	600
<b>Administration</b>	<b>11</b>	<b>11</b>	<b>1,328</b>
BbyCtrMH	4	4	448
No experienced/trained staff to precept	2	2	248
Number of requests exceed scheduling capacity	1	1	120
Request not suitable for area requested	1	1	80
CHS	7	7	880
Number of requests exceeds physical capacity	3	3	384
Request not suitable for area requested	3	3	368
Number of requests exceed available staff or shift rotations	1	1	128
<b>Therapist</b>	<b>1</b>	<b>1</b>	<b>560</b>
Forensic	1	1	560
Student not suitable for area requested	1	1	560
<b>Other Health</b>	<b>3</b>	<b>3</b>	<b>450</b>
Forensic	3	3	450
No experienced/trained staff to precept	3	3	450
<b>Rehabilitation Sciences</b>	<b>2</b>	<b>2</b>	<b>425</b>
Forensic	2	2	425
Number of requests exceed scheduling capacity	1	1	225
Number of requests exceed available staff or shift rotations	1	1	200
<b>Grand Total</b>	<b>112</b>	<b>128</b>	<b>29,764</b>

Table 33 shows the estimated cost of staff time by discipline for FY 2021-22. Excluded from this table is estimated cost related to medical students.

**TABLE 33:** Estimated Cost of Preceptor Time by Discipline, Sub-discipline and Encounter Type - FY 2021-22

Discipline	Sub-discipline	Group Cost	One to One Cost	Total Cost
Nursing	Psychiatric Nursing Bacc - BScN/BN/RPN Psych	\$4,725	\$83,892	\$88,617
	Bacc Nursing - BScN/BSN/BN	\$32,410	\$49,767	\$82,177
	Psychiatric Nursing - Diploma	\$0	\$27,900	\$27,900
	Licensed Practical Nurse	\$0	\$6,733	\$6,733
	Registered Nurse	\$0	\$1,600	\$1,600
Psychology	Psychology (PHD)	\$0	\$24,667	\$24,667
	Psychology (Masters)	\$0	\$23,333	\$23,333
	Counselling Psychology	\$0	\$12,733	\$12,733
Social Work	Bachelor of Social Work	\$0	\$35,583	\$35,583
	Master of Social Work	\$0	\$24,383	\$24,383
Other Health	Masters of Public Health	\$0	\$16,927	\$16,927
	Community Health and Preventive Medicine	\$0	\$5,867	\$5,867
Therapist	Music Therapist	\$0	\$11,333	\$11,333
	Recreation Therapist Degree	\$0	\$11,200	\$11,200
<b>Grand Total</b>		<b>\$37,135</b>	<b>\$386,163</b>	<b>\$423,298</b>

## BUILD EFFECTIVE PARTNERSHIPS AND COLLABORATIONS THAT SUPPORT INNOVATION

Table 34 shows the distribution of student hours by educational institution and sub-discipline by fiscal year. Of the 26 educational institutions with an active placement in

FY 2021-22, the top three, Douglas College, UBC, and Kwantlen Polytechnic University, represent 51% of all student hours.

**TABLE 34:** Distribution of Student Placements by Educational Institution and Sub-discipline by Fiscal Year

Education Institution	Sub-discipline	Total Student Hours		
		FY 19-20	FY 20-21	FY 21-22
<b>Douglas College</b>		3,552	3,840	7,810
	Psychiatric Nursing Bacc - BScN/BN/RPN Psych	2,597	3,560	4,730
	Recreation Therapist Degree	910	280	840
	Bacc Nursing - BScN/BSN/BN			1,890
	Bachelor of Social Work			350
	Community Health Worker	45		
<b>University of British Columbia</b>		8,682	7,334	7,613
	Bacc Nursing - BScN/BSN/BN	5,628	5,424	5,728
	Occupational Therapist	1,150	776	975
	Pharmacist	930		808
	Bachelor of Social Work	378	1,134	
	Counselling Psychology	500		64
	Nurse Practitioner	96		
	Masters of Public Health			38
<b>Kwantlen Polytechnic University</b>		3,596	5,328	4,306
	Psychiatric Nursing Bacc - BScN/BN/RPN Psych	2,536	2,976	2,194
	Bacc Nursing - BScN/BSN/BN	964	2,160	2,016
	Registered Nurse	96	192	96
<b>Langara College</b>		3,600	2,160	2,880
	Bacc Nursing - BScN/BSN/BN	3,600	2,160	2,880
<b>Adler University</b>		448	700	2,100
	Psychology (Masters)	448	700	1,400
	Counselling Psychology			700
<b>Simon Fraser University</b>		415	415	1,892
	Psychology (PHD)		415	1,480
	Masters of Public Health	415		412
<b>Stenberg College</b>		1,080	2,700	1,674
	Psychiatric Nursing - Diploma	1,080	2,700	1,674
<b>Sprott-Shaw College</b>				1,224
	Health Unit Coordinator/Nursing Unit Clerk			896
	Community Health and Preventive Medicine			200
	Medical Office Assistant			128
<b>Thompson Rivers University</b>		614	1,442	1,034
	Bacc Nursing - BScN/BSN/BN	614	1,046	614
	Bachelor of Social Work			420
	Registered Nurse		396	
<b>Vancouver Community College</b>			450	863
	Rehabilitation Assistant		450	413
	Bacc Nursing - BScN/BSN/BN			450
<b>Capilano University</b>			940	850
	Music Therapist		940	850

Education Institution	Sub-discipline	Total Student Hours		
		FY 19-20	FY 20-21	FY 21-22
Camosun College/University of Victoria				846
	Bacc Nursing - BScN/BSN/BN			846
Wilfrid Laurier University				675
	Master of Social Work			675
University of Victoria		1,792	2,890	624
	Bacc Nursing - BScN/BSN/BN	1,092	1,690	624
	Bachelor of Social Work	700		
	Master of Social Work		450	
	Psychology (PHD)		400	
	Nurse Practitioner		350	
University of Calgary			300	525
	Bachelor of Social Work			525
	Counselling Psychology		300	
BCIT		600		450
	Bacc Nursing - BScN/BSN/BN	600		450
University of British Columbia - Okanagan			256	450
	Master of Social Work		256	450
Nicola Valley Institute of Technology		287	420	420
	Bachelor of Social Work	287	420	420
University of Toronto			1,320	420
	Masters of Public Health		1,120	420
	Pharmacist		200	
University of the Fraser Valley		900	840	420
	Bachelor of Social Work		840	420
	Master of Social Work	900		
Queens University		800		400
	Masters of Public Health	800		400
Athabasca University				380
	Bacc Nursing - BScN/BSN/BN			380
Renison University College				338
	Master of Social Work			338
Okanagan College		78	126	296
	Bacc Nursing - BScN/BSN/BN	78	126	72
	Licensed Practical Nurse			224
Vancouver Island University				240
	Community Health and Preventive Medicine			240
College of New Caledonia		245	65	180
	Licensed Practical Nurse	245	65	180
University of Alberta		400	800	
	Masters of Public Health	400	800	
Sprott Shaw College			128	
	Health Unit Coordinator/Nursing Unit Clerk		128	
University of Northern British Columbia		965	441	
	Bachelor of Social Work	965	441	
Vancouver Career College		140		
	Social Services Worker Certificate	140		
<b>Grand Total</b>		<b>28,193</b>	<b>32,894</b>	<b>38,909</b>

# BC CENTRE FOR DISEASE CONTROL (BCCDC)



BC Centre for Disease Control  
Provincial Health Services Authority

## BUILD STUDENT EDUCATION CAPACITY

### Placement Activity

In FY 2021-22, BCCDC provided 3,674 student hours, a decrease of 27% over FY 2020-21 (excluding medical students) of which 100% were one-to-one preceptorships

(supervised by a PHSA preceptor/employee). A breakdown of student hours and students by site, discipline, sub-discipline and fiscal year can be found in Table 35.

**TABLE 35:** Total # of Students and Hours by Site, Discipline and Sub-discipline by Fiscal Year

Discipline/Sub-discipline	FY 19-20		FY 20-21		FY 21-22	
	Total Student Hours	Total # of Students	Total Student Hours	Total # of Students	Total Student Hours	Total # of Students
BCCDC	2,791	13	5,058	13	3,674	16
Other Health	1,315	3	4,898	12	2,634	12
Masters of Public Health	1,315	3	4,898	12	2,634	12
Nursing	1,276	8				
Bacc Nursing - BScN/BSN/BN	1,276	8				
Management					840	2
Master of Health Administration					840	2
Food & Nutrition	200	2	160	1	200	2
Dietitian	200	2	160	1	200	2
<b>Grand Total</b>	<b>2,791</b>	<b>13</b>	<b>5,058</b>	<b>13</b>	<b>3,674</b>	<b>16</b>

The Medical Doctor Undergraduate program (MDUG) had a total of 5 distinct students, representing 8 placements and 105 days, arriving at BCCDC facilities from April 1, 2021 – March 31, 2022. See Table 36 for a breakdown by specialty

and site. Please note that the total for the number of distinct students does not represent the sum of the data by site due to the same student having placements in multiple specialties and locations.

**TABLE 36:** MDUG Total # of Distinct Students, Placements and Requested Days by Site and Specialty - FY 2021-22

Site/Specialty	# of Distinct Students	# of Placements	Total # of Days
BCCDC	5	8	105
Public Health	5	8	105
<b>Grand Total</b>	<b>5</b>	<b>8</b>	<b>105</b>

The Post Graduate Medical Education program (PGME) had a total of 22 distinct students, representing 34 placements and 865 days, arriving at BCCDC facilities from April 1, 2021 – March 31, 2022. See Table 37 for a breakdown by specialty

and site. Please note that the total for the number of distinct students does not represent the sum of the data by site due to the same student having placements in multiple specialties and locations.

**TABLE 37: PGME Total # of Distinct Students, Placements and Requested Days by Site and Specialty – FY 2021-22**

Site/Specialty	# of Distinct Students	# of Placements	Total # of Days
BCCDC	22	34	865
Pathology	12	16	399
Public Health	6	12	339
Infectious Disease	2	2	56
Family Medicine	2	2	29
Emergency	1	1	28
Respirology	1	1	14
<b>Grand Total</b>	<b>22</b>	<b>34</b>	<b>865</b>

In FY 2021-22, BCCDC declined a total of 4 placement requests representing 4 students and 920 hours. Top reasons for these declines for all sites are shown in Table 38.

See Appendix B for all PHSA declines by discipline, program and reason for FY 2021-22.

**TABLE 38: # of Students and hours by Discipline, Site and Reasons for Placement Decline - FY 2021-22**

Discipline/Detailed Decline Reason	Decline Reason Total	Total # of Students	Total # of Student Hrs
<b>Other Health</b>	<b>2</b>	<b>2</b>	<b>598</b>
Exceptional circumstances (provide explanation)	1	1	38
No Reply from Destination (RC users)	1	1	560
<b>Health Information Management</b>	<b>2</b>	<b>2</b>	<b>322</b>
No Reply from Destination (RC users)	1	1	42
Number of requests exceed available staff or shift rotations	1	1	280
<b>Grand Total</b>	<b>4</b>	<b>4</b>	<b>920</b>

Table 39 shows the estimated cost of staff time by discipline for FY 2021-22. Excluded from this table is estimated cost related to medical students.

**TABLE 39: Estimated Cost of Preceptor Time by Discipline, Sub-discipline and Encounter Type - FY 2021-22**

Discipline	Sub-discipline	Group Cost	One to One Cost	Total Cost
Other Health	Masters of Public Health	\$0	\$35,120	\$35,120
	Master of Health Administration	\$0	\$14,000	\$14,000
Food & Nutrition	Dietitian	\$0	\$3,333	\$3,333
<b>Grand Total</b>		<b>\$0</b>	<b>\$52,453</b>	<b>\$52,453</b>

## BUILD EFFECTIVE PARTNERSHIPS AND COLLABORATIONS THAT SUPPORT INNOVATION

Table 40 shows the distribution of student hours by educational institution and sub-discipline by fiscal year. Of the 6 educational institutions with an active placement in FY

2021-22, the top three, UBC, University of Guelph, and SFU, represent 68% of all student hours.

**TABLE 40:** Distribution of Student Placements by Educational Institution and Sub-discipline by Fiscal Year

Education Institution	Sub-discipline	Total Student Hours		
		FY 19-20	FY 20-21	FY 21-22
University of British Columbia		624	2,210	853
	Masters of Public Health		2,050	653
	Dietitian	200	160	200
	Bacc Nursing - BScN/BSN/BN	424		
University of Guelph				840
	Master of Health Administration			840
Simon Fraser University		415	2,048	824
	Masters of Public Health	415	2,048	824
McMaster University			400	560
	Masters of Public Health		400	560
University of Toronto				560
	Masters of Public Health			560
McGill University				38
	Masters of Public Health			38
University of Western Ontario			400	
	Masters of Public Health		400	
BCIT		612		
	Bacc Nursing - BScN/BSN/BN	612		
University of Victoria		900		
	Masters of Public Health	900		
Vancouver Community College		240		
	Bacc Nursing - BScN/BSN/BN	240		
<b>Grand Total</b>		<b>2,791</b>	<b>5,058</b>	<b>3,674</b>

# BC EMERGENCY HEALTH SERVICES (BCEHS)

## BUILD STUDENT EDUCATION CAPACITY

### Placement Activity

In FY 2021-22, BCEHS provided 61,668 student hours, an increase of 78% over FY 2020-21 that were all one-to-one preceptorships (supervised by a PHSA preceptor/employee). Please note that the total for the number of distinct students

does not represent the sum of the data by region due to the same student having placements in more than one region. A breakdown of student hours and students by course and fiscal year can be found in Table 41.

**TABLE 41:** Total # of Students and Hours by Course and Fiscal Year

Discipline/Sub-discipline Region	FY 19-20		FY 20-21		FY 21-22	
	Total Student Hours	Total # of Students	Total Student Hours	Total # of Students	Total Student Hours	Total # of Students
Paramedic	58,586	351	34,653	244	61,668	439
Primary Care Paramedic - on-car	43,165	313	27,913	226	55,476	403
BCEHS – all regions	43,165	313	27,913	226		
LwrMainld					28,980	256
Interior					12,672	124
VanIsland					11,916	123
Northern					1,908	24
Advanced Care Paramedic - on-car	15,421	38	6,739	18	6,192	36
BCEHS – all regions	15,421	38	6,739	18		
LwrMainld					3,564	27
VanIsland					1,416	15
Interior					1,212	19
<b>Grand Total</b>	<b>58,586</b>	<b>351</b>	<b>34,653</b>	<b>244</b>	<b>61,668</b>	<b>439</b>

Table 42 shows the estimated cost of staff time by discipline for FY 2021-22.

**TABLE 42:** Estimated Cost of Preceptor Time by Discipline, Sub-discipline and Encounter Type - FY 2021-22

Discipline	Sub-discipline	Group Cost	One to One Cost	Total Cost
Paramedic	Primary Care Paramedic - on-car	\$0	\$2,219,040	\$2,219,040
	Advanced Care Paramedic - on-car	\$0	\$247,680	\$247,680
<b>Grand Total</b>		<b>\$0</b>	<b>\$2,466,720</b>	<b>\$2,466,720</b>

## BUILD EFFECTIVE PARTNERSHIPS AND COLLABORATIONS THAT SUPPORT INNOVATION

Table 43 shows the distribution of student hours by educational institution and sub-discipline by fiscal year. Of the 5 educational institutions with an active placement in

FY 2021-22, the top three, JIBC, Columbia, and AET, represent 99% of all student hours.

**TABLE 43:** Distribution of Student Placements by Educational Institution and Sub-discipline by Fiscal Year

Education Institution	Sub-discipline	Total Student Hours		
		FY 19-20	FY 20-21	FY 21-22
Justice Institute of BC		52,481	29,294	45,336
	Primary Care Paramedic - on-car	37,061	22,705	39,144
	Advanced Care Paramedic - on-car	15,421	6,589	6,192
Columbia Paramedic Academy		3,721	3,543	12,228
	Primary Care Paramedic - on-car	3,721	3,543	12,228
AET Paramedic Academy		2,384	1,660	4,092
	Primary Care Paramedic - on-car	2,384	1,660	4,092
Other			5	12
	Primary Care Paramedic - on-car		5	12
<b>Grand Total</b>		<b>58,586</b>	<b>34,503</b>	<b>61,668</b>

# PHSA LAB, PHARMACY & MEDICAL IMAGING

## BUILD STUDENT EDUCATION CAPACITY

### Placement Activity

For the second year, PHSa is reporting placement activity for PHSa Lab, Pharmacy and Medical Imaging services (LPMI). This data is also reported above in each of the specific program sections. In FY 2021-22, PHSa's Lab, Pharmacy and

Medical Imaging provided 29,920 student hours (excluding medical students). A breakdown of student hours and students by service, sub-discipline, site and fiscal year can be found in Table 44.

**TABLE 44:** Total # of Students and Hours by Service, Sub-discipline, Site and Fiscal Year

Program/Sub-discipline/Site	FY 19-20		FY 20-21		FY 21-22	
	Total Student Hours	Total # of Students	Total Student Hours	Total # of Students	Total Student Hours	Total # of Students
<b>Lab Services</b>	9,618	16	10,015	12	13,304	23
Medical Laboratory Technologist	8,250	10	7,875	5	9,750	10
BCCH	8,250	10	7,875	5	9,750	10
Clinical Genetics Technologist	900	2	1,840	5	2,870	8
BCC-Van	900	2	1,560	4	1,110	3
BCCH			280	1	1,760	5
Medical Laboratory Assistant	300	2	300	2	600	4
BCC-Van	300	2	300	2	300	2
BCCH					300	2
Medical Transcriptionist	168	2			84	1
BCW	168	2			84	1
<b>Medical Imaging</b>	6,672	35	7,694	51	6,168	49
Sonography Tech	2,359	13	1,881	11	2,450	13
BCW	2,359	13	1,881	11	2,240	12
BCCH					210	1
Radiology Tech	3,038	6	3,653	14	1,958	14
BCCH	3,038	6	3,653	14	1,958	14
Nuclear Medicine Tech	1,200	15	2,000	25	1,760	22
BCC-Van	880	11	1,200	15	1,120	14
BCCH	320	4	800	10	480	6
BCC-Vic					160	2
Medical Radiation Technology	75	1				
BCCH	75	1				
MRI Technology/Technician			160	1		
BCCH			160	1		
<b>Pharmacy</b>	10,658	58	7,982	29	10,448	62
Pharmacist	9,398	50	7,240	23	9,328	55
BCCH	7,808	41	7,040	22	8,520	48
Forensic	640	2			640	5
BbyCtrMH	160	1	200	1	168	2
BCW	340	2				
BCC-Kel	160	1				
BCC-Van	160	1				
MentHthAdc	130	2				
Pharmacy Technician	1,260	8	742	6	1,120	7
BCCH	940	6	742	6	960	6
BCC-Van	160	1				

Program/Sub-discipline/Site	FY 19-20		FY 20-21		FY 21-22	
	Total Student Hours	Total # of Students	Total Student Hours	Total # of Students	Total Student Hours	Total # of Students
BCW	160	1				
BCC-Surrey					160	1
<b>Grand Total</b>	<b>26,948</b>	<b>109</b>	<b>25,691</b>	<b>92</b>	<b>29,920</b>	<b>134</b>

The Medical Doctor Undergraduate program (MDUG) had a total of 10 distinct students, representing 16 placements and 161 days, arriving at PHSA facilities from April 1, 2021 – March 31, 2022. See Table 45 for a breakdown by specialty

and site. Please note that the total for the number of distinct students does not represent the sum of the data by site due to the same student having placements in multiple specialties and locations.

**TABLE 45: MDUG Total # of Distinct Students, Placements and Requested Days by Site and Specialty - FY 2021-22**

Site/Specialty	# of Distinct Students	# of Placements	Total # of Days
BCCH	8	13	133
Diagnostic Radiology	6	8	70
Pathology	2	5	63
BCC-Van	2	3	28
Diagnostic Radiology	2	3	28
<b>Grand Total</b>	<b>10</b>	<b>16</b>	<b>161</b>

The Post Graduate Medical Education program (PGME) had a total of 72 distinct students, representing 208 placements and 5,900 days, arriving at PHSA facilities from April 1, 2021 – March 31, 2022. See Table 46 for a breakdown by specialty

and site. Please note that the total for the number of distinct students does not represent the sum of the data by site due to the same student having placements in multiple specialties and locations.

**TABLE 46: PGME Total # of Distinct Students, Placements and Requested Days by Site and Specialty - FY 2021-22**

Site/Specialty	# of Distinct Students	# of Placements	Total # of Days
BCC-Van	56	151	4,319
Pathology	30	89	2,601
Diagnostic Radiology	26	62	1,718
BCCH	16	28	812
Diagnostic Radiology	16	28	812
BCCDC	12	16	399
Pathology	12	16	399
BCW	11	13	370
Diagnostic Radiology	11	13	370
<b>Grand Total</b>	<b>72</b>	<b>208</b>	<b>5,900</b>

## PHSA Lab, Pharmacy & Medical Imaging

In FY 2021-22, LPMI declined a total of 7 placement requests representing 7 students and 1,770 hours. Requests are for individual and group placements which is why the number of students may exceed the number of requests. Top reasons

for these declines for all sites are shown in Table 47. The top sub-discipline declined is Pharmacy Technicians. See Appendix B for all PHSA declines by discipline, program, and reason for FY 2021-22.

**TABLE 47: # of Students and hours by Discipline, Site and Reasons Placement Decline - FY 2021-22**

Sub-discipline/Site/Detailed Decline Reason	Decline Reason Total	Total # of Students	Total # of Student Hrs
<b>Medical Laboratory Assistant</b>	<b>2</b>	<b>2</b>	<b>270</b>
BCCH	1	1	120
Exceptional circumstances (provide explanation)	1	1	120
BCW	1	1	150
Alternate location identified by RA (new PR created)	1	1	150
<b>Pharmacy Technician</b>	<b>3</b>	<b>3</b>	<b>500</b>
BCCH	1	1	160
Number of requests exceed available staff or shift rotations	1	1	160
BCC-Surrey	1	1	160
Number of requests exceed scheduling capacity	1	1	160
BCW	1	1	180
Number of requests exceeds physical capacity	1	1	180
<b>Sonography Tech</b>	<b>2</b>	<b>2</b>	<b>1,000</b>
BCW	2	2	1,000
Number of requests exceed available staff or shift rotations	2	2	1,000
<b>Grand Total</b>	<b>7</b>	<b>7</b>	<b>1,770</b>

Table 48 shows the estimated cost of staff time by sub-discipline for FY 2021-22. Excluded from this table is estimated cost related to medical students.

**TABLE 48: Estimated Cost of Preceptor Time by Discipline, Sub-discipline, and Encounter Type - FY 2020-21**

Discipline	Sub-discipline	Group Cost	One to One Cost	Total Cost
Technologist/Technician	Medical Laboratory Technologist	\$0	\$130,000	\$130,000
	Clinical Genetics Technologist	\$0	\$38,267	\$38,267
	Sonography Tech	\$0	\$32,667	\$32,667
	Radiology Tech	\$64	\$25,680	\$25,744
	Nuclear Medicine Tech	\$0	\$23,467	\$23,467
	Medical Laboratory Assistant	\$0	\$8,000	\$8,000
Pharmacy	Pharmacist	\$0	\$155,467	\$155,467
	Pharmacy Technician	\$0	\$18,667	\$18,667
Administration	Medical Transcriptionist	\$0	\$1,120	\$1,120
<b>Grand Total</b>		<b>\$64</b>	<b>\$433,333</b>	<b>\$433,397</b>

## BUILD EFFECTIVE PARTNERSHIPS AND COLLABORATIONS THAT SUPPORT INNOVATION

Table 49 shows the distribution of student hours by educational institution and sub-discipline by fiscal year. Of the 7 educational institutions with an active placement in FY

2021-22, the top three, BCIT, UBC, and VCC, represent 96% of all student hours.

**TABLE 49:** Distribution of Student Placements by Educational Institution and Sub-discipline by Fiscal Year

Education Institution	Sub-discipline	Total Student Hours		
		FY 19-20	FY 20-21	FY 21-22
BCIT		15,747	17,409	18,756
	Medical Laboratory Technologist	8,250	7,875	9,750
	Radiology Tech	3,038	3,653	1,926
	Sonography Tech	2,359	1,881	2,450
	Clinical Genetics Technologist	900	1,840	2,870
	Nuclear Medicine Tech	1,200	2,000	1,760
	Magnetic Resonance Imaging (MRI) Technology/Technician		160	
University of British Columbia		9,398	7,040	9,128
	Pharmacist	9,398	7,040	9,128
Vancouver Community College		768	522	844
	Medical Laboratory Assistant	300	300	600
	Pharmacy Technician	300	222	160
	Medical Transcriptionist	168		84
Stenberg College		800	520	800
	Pharmacy Technician	800	520	800
University of Toronto			200	200
	Pharmacist		200	200
CDI College		160		160
	Pharmacy Technician	160		160
Camosun College				32
	Radiology Tech			32
Confederate College		75		
	Medical Radiation Technology	75		
<b>Grand Total</b>		<b>26,948</b>	<b>25,691</b>	<b>29,920</b>

## APPENDIX A – GLOSSARY

Definitions of Terms Used in the Report	
HSPnet	
HOURS	
Student Hours	Total number of placement hours for all students (groups and non-groups) for all confirmed placements (calculated as # of students x the number of placement hours requested).
Placement Hours	Total number of hours requested, per student/group for all confirmed placements.
PLACEMENT TYPE	
One-to-one (Supervision provided by PHSA preceptor)	<p>These placements include the following types of encounters:</p> <p><b>Preceptor:</b> These involve direct care and are supervised by an individual of the same discipline. An individual placement with an experienced practitioner in a collegial learning relationship; students may be assigned to one or more preceptors during the placement. A preceptor is an employee/contractor of the Receiving site; the educational program may also identify an instructor, facilitator, or liaison.</p> <p><b>Observation:</b> A supervised placement involving student observation only, or "shadowing" a service provider.</p> <p><b>Project:</b> Does not involve direct care, students function independently. An opportunity for one or more students to work on a project involving content, data, and/or materials that are furnished by the Receiving site. Supervision is provided by a Project Supervisor, who is an employee/contractor of the Receiving site; the educational program may also assign an instructor, facilitator, or liaison.</p> <p><b>Fieldwork:</b> Individual: A placement that is focused on linking what is learned in class with what is seen, collected, and tested in the field. Supervision is provided by a field guide, who is an employee/contractor of the Receiving Site; the educational program may also identify a facilitator or liaison.</p> <p><b>Internship:</b> A placement involving supervised practical experience, for a student or recent graduate. Supervision is provided by a preceptor or supervisor, who is an employee or contractor of the Receiving site; the educational program may also assign an instructor, facilitator, or liaison.</p> <p><b>Student Education:</b> A generic description for placements in educational programs that prefer not to use another term like "Fieldwork" or "Preceptor".</p> <p><b>Independent Study:</b> A placement that is organized by a learner directly, and not through an educational program. The learner may be a student or graduate. The placement does not normally involve direct patient care. Supervision is provided by an employee/contractor of the Receiving Site.</p> <p><b>Collaborative Learning Unit:</b> A placement of students in groups on a unit where a Collaborative Learning Unit (CLU) program has been introduced (e.g., BC). Students are involved in direct patient care and have a high level of independence. All staff on the unit participate in the teaching-learning relationship with all students in the CLU group.</p>

Definitions of Terms Used in the Report	
Group (Supervision provided by instructor from education institution)	<p><b>Group:</b> Instructor led, groups of two or more students in a placement location, under the clinical supervision of an instructor or faculty member who is assigned by the educational program.</p> <p><b>Alternate experiences:</b> involves spending a portion of a placement in an alternate destination within the same receiving agency. An experience offered to students of an instructor-led Group, whereby some or all students from the "parent" group may rotate to another unit for one or more shifts. Supervision is provided by the instructor who is assigned by the educational program.</p>
PLACEMENT STATUS	
Confirmed	Represents all accepted requests that are confirmed by the school and agency.
Declined	Represents all requests that were officially declined by the receiving agency. The reasons for decline are also captured for this placement status.
OTHER APPLICABLE HSPnet TERMS	
Discipline	A health sciences field of expertise such a Nursing or Medical Radiography,
Placing Agency	Typically, a health sciences educational institution that initiates a student placement but can be any organization that places a student (e.g., BCEHS).
Placement Destination	The physical or virtual location in which the student will complete their placement experience (e.g., 6 <sup>th</sup> floor surgical ward, 2B). A destination is considered "active" if a Destination Coordinator is actively managing the Inbox (accepting/declining).
Receiving Agency/Site	The agency (typically but not necessarily a health services organization) that receives a student placement request. The Receiving Agency represents the legal entity (health authority, private lab, etc.) as opposed to the placement destination or site.
Decline Reason Categories	<p><b>Capacity:</b> Closure of beds, unit, or program during placement period; No experienced/trained staff to precept; Number of requests exceeds physical capacity; Number of requests exceed scheduling capacity; On-Site Hazard/Event</p> <p><b>Suitability:</b> Clinical service(s) has changed; Placement request error; Request not suitable for area requested; Student not suitable for area requested</p> <p><b>Other:</b> Exceptional circumstances (provide explanation); No Affiliation Agreement in place; No Reply from Destination (RC users); No Reply from RA (for PC users)</p>
GENERAL TERMS	
Students	Learners who are involved in a Student Education experience as part of their studies in an undergraduate, graduate, post-graduate (e.g., post-doctoral fellow) or post-professional (e.g., resident) education program in the health and human services professions. This may include students from non-clinical programs in health services support areas such as information management, human resources, communications and decision support.
Student Education	The component of an educational program in which students learn and practice in a community, clinical or simulated setting. It provides the experiential learning that helps students acquire the necessary skills, attitudes, and knowledge to practice effectively in their field. It may include direct contact with patients/clients and access to their personal health information.
Affiliation Agreement	A legal contract that defines the roles and responsibilities of a health authority and education institution in providing Student Education.

Definitions of Terms Used in the Report	
Practice Setting	<p><b>Inpatient:</b> a student placement that takes place only in an inpatient care delivery setting.</p> <p><b>Outpatient/Ambulatory:</b> a student placement that takes place only in an outpatient or ambulatory care delivery setting.</p> <p><b>Mixed (OP/Amb &amp; Inpatient):</b> a student placement that takes place partly in an inpatient setting and partly in outpatient/ambulatory care settings.</p> <p><b>Admin/Support Services:</b> a student placement that takes place in a health authority administrative or support unit versus a clinical care delivery unit.</p> <p><b>Public/Pop Health:</b> a student placement that takes place in a service unit focused on public or population health (e.g. epidemiology program at BCCDC).</p> <p><b>On Car/Plane:</b> a student placement that takes place on a BC Ambulance or Air Ambulance</p>
Fiscal Year	<p>April 1, 2015 – March 31, 2016</p> <p>April 1, 2016 – March 31, 2017</p> <p>April 1, 2017 – March 31, 2018</p> <p>April 1, 2018 – March 31, 2019</p> <p>April 1, 2019 – March 31, 2020</p> <p>April 1, 2020 – March 31, 2021</p> <p>April 1, 2021 – March 31, 2022</p>

## APPENDIX B – NUMBER OF STUDENTS AND HOURS BY DISCIPLINE, DECLINE CATEGORY AND SITE FY 2021-22

Discipline/Decline Reason Category/Site	Decline Reason Total	Total # of Students	Total # of Student Hrs
<b>Nursing</b>	<b>209</b>	<b>245</b>	<b>51,793</b>
CAPACITY / SCHEDULING	147	179	36,075
BbyCtrMH	12	21	2,664
BCCH	51	67	11,654
BCC-Surrey	1	1	360
BCC-Van	3	3	862
BCC-Vic	7	7	1,867
BCW	22	22	5,361
CHS	6	6	1,031
Forensic	25	25	7,368
MentHthAdc	4	4	690
SunnyHill	3	3	702
RFHC	13	20	3,516
OTHER REASONS	27	31	7,365
BCCH	21	24	5,879
BCW	4	5	827
CHS	1	1	360
Forensic	1	1	299
REQUEST SUITABILITY	35	35	8,353
BbyCtrMH	5	5	1,269
BCCH	8	8	1,930
BCC-Kel	1	1	180
BCW	16	16	4,230
CHS	1	1	360
MentHthAdc	1	1	45
SunnyHill	3	3	339
<b>Administration</b>	<b>62</b>	<b>62</b>	<b>7,680</b>
CAPACITY / SCHEDULING	50	50	6,256
BbyCtrMH	3	3	368
BCC-Abbot	6	6	726
BCCH	6	6	752
BCC-Kel	1	1	120
BCC-Surrey	9	9	1,070
BCC-Van	12	12	1,572
BCW	9	9	1,136
CHS	4	4	512
OTHER REASONS	7	7	848
BCCH	5	5	640
BCW	1	1	80
SunnyHill	1	1	128
REQUEST SUITABILITY	5	5	576
BbyCtrMH	1	1	80
BCW	1	1	128
CHS	3	3	368

Discipline/Decline Reason Category/Site	Decline Reason Total	Total # of Students	Total # of Student Hrs
<b>Social Work</b>	<b>25</b>	<b>25</b>	<b>9,839</b>
CAPACITY / SCHEDULING	19	19	7,417
BbyCtrMH	2	2	900
BCCH	3	3	1,446
BCC-Van	1	1	450
BCW	1	1	450
Forensic	6	6	1,995
MentHthAdc	3	3	928
SunnyHill	1	1	450
RFHC	2	2	798
OTHER REASONS	2	2	924
BCCH	1	1	462
BCW	1	1	462
REQUEST SUITABILITY	4	4	1,498
BCW	1	1	420
CHS	2	2	728
Forensic	1	1	350
<b>Psychology</b>	<b>22</b>	<b>22</b>	<b>8,300</b>
CAPACITY / SCHEDULING	15	15	5,900
BCC-Abbot	2	2	600
BCCH	2	2	1,100
BCC-Van	3	3	1,100
BCW	1	1	500
Forensic	7	7	2,600
OTHER REASONS	5	5	1,500
BCCH	1	1	300
BCW	1	1	300
MentHthAdc	2	2	600
SunnyHill	1	1	300
REQUEST SUITABILITY	2	2	900
BbyCtrMH	1	1	500
BCCH	1	1	400
<b>Other Health</b>	<b>5</b>	<b>5</b>	<b>1,048</b>
CAPACITY / SCHEDULING	3	3	450
Forensic	3	3	450
OTHER REASONS	2	2	598
BCCDC	2	2	598
<b>Technologist/Technician</b>	<b>4</b>	<b>4</b>	<b>1,270</b>
CAPACITY / SCHEDULING	2	2	1,000
BCW	2	2	1,000
OTHER REASONS	2	2	270
BCCH	1	1	120
BCW	1	1	150
<b>Rehabilitation Sciences</b>	<b>3</b>	<b>3</b>	<b>625</b>
CAPACITY / SCHEDULING	3	3	625
Forensic	2	2	425
SunnyHill	1	1	200
<b>Pharmacy</b>	<b>3</b>	<b>3</b>	<b>500</b>
CAPACITY / SCHEDULING	3	3	500

Discipline/Decline Reason Category/Site	Decline Reason Total	Total # of Students	Total # of Student Hrs
BCCH	1	1	160
BCC-Surrey	1	1	160
BCW	1	1	180
<b>Non-Health</b>	<b>2</b>	<b>2</b>	<b>16</b>
REQUEST SUITABILITY	2	2	16
BCCH	2	2	16
<b>Therapist</b>	<b>2</b>	<b>2</b>	<b>1,410</b>
CAPACITY / SCHEDULING	1	1	850
BCC-Van	1	1	850
REQUEST SUITABILITY	1	1	560
Forensic	1	1	560
<b>Medicine</b>	<b>2</b>	<b>2</b>	<b>132</b>
CAPACITY / SCHEDULING	2	2	132
BCW	2	2	132
<b>Health Information Management</b>	<b>2</b>	<b>2</b>	<b>322</b>
CAPACITY / SCHEDULING	1	1	280
BCCDC	1	1	280
OTHER REASONS	1	1	42
BCCDC	1	1	42
<b>Grand Total</b>	<b>341</b>	<b>377</b>	<b>82,935</b>

## APPENDIX C – EDUCATION INSTITUTIONS WITH AFFILIATION AGREEMENTS IN PLACE FY 2021-22

<b>PUBLIC</b>
Athabasca University
BC Institute of Technology
Bilkent University, Turkey
Brock University
Camosun College
Capilano University
College of New Caledonia
College of the North Atlantic
College of the Rockies
Concordia University
Dalhousie University
Department of National Defence
Douglas College
Emily Carr University of Art & Design
HealthCareCAN
Justice Institute of BC
Kwantlen Polytechnic University
Lakehead University
Langara College
McGill University
McMaster University
Michener Institute
Mount Royal University
Nicola Valley Institute of Technology
North Island College
Northern Alberta Institute of Technology
Okanagan College
Queens University
Royal Roads University
Ryerson University
Saskatchewan Polytechnic
Selkirk College
Simon Fraser University
Thompson Rivers University - Open Learning
UBC - University of British Columbia
University of Abertay, Scotland
University of Alberta
University of Barcelona

<b>PUBLIC</b>
University of Calgary
University of Guelph
University of Lethbridge
University of Manitoba
University of Northern BC
University of Porto
University of Saskatchewan
University of the Fraser Valley
University of Toronto
University of Victoria
University of Washington - School of Pharmacy
University of Waterloo
University of Western Ontario
University of Windsor
Vancouver Community College
Vancouver Island University
Vancouver School of Theology
Wilfred Laurier University
Yorkville University
<b>PRIVATE</b>
Ashton College
CDI College - Burnaby
Centre for Distance Education
City University of Seattle
LaunchLife International
NorQuest College
Northwestern University
Robertson College
Sprott-Shaw College
Stenberg College
Trinity Western University
Vancouver Art Therapy Institute
Vancouver Career College
West Coast College of Health Care
West Coast College of Massage Therapy
Western Seminary - Seattle

## APPENDIX D – TOTAL STUDENT HOURS BY EDUCATION INSTITUTION, DISCIPLINE AND SUB-DISCIPLINE BY FISCAL YEAR

Education Institution	Discipline/Sub-discipline	Total Student Hours		
		FY 19-20	FY 20-21	FY 21-22
<b>BCIT</b>		67,329	57,646	75,262
	<b>Nursing</b>	31,189	23,272	34,188
	Post-RN Specialty	17,824	13,276	15,329
	Bacc Nursing - BScN/BSN/BN	13,365	9,996	18,859
	<b>Therapist</b>	18,435	15,668	19,268
	Radiation Therapist	18,435	15,668	19,268
	<b>Technologist/Technician</b>	16,205	17,649	19,461
	Medical Laboratory Technologist	8,250	7,875	9,750
	Radiology Tech	3,046	3,653	1,926
	Sonography Tech	2,359	1,881	2,450
	Clinical Genetics Technologist	900	1,840	2,870
	Nuclear Medicine Tech	1,200	2,000	1,760
	Perfusionist	450	240	225
	Electroencephalograph Technologist			480
	Magnetic Resonance Imaging (MRI) Technology/Technician		160	
	<b>Administration</b>	800	1,058	1,120
	Medical Office Assistant	800	560	1,120
	Human Resources Management		450	
	Communications		48	
	<b>Other Health</b>	700		525
	Biomedical Engineer	700		525
	<b>Non-Health</b>			700
	Other Non Health Disciplines			700
<b>University of British Columbia</b>		45,519	39,573	51,366
	<b>Nursing</b>	21,160	17,428	23,402
	Bacc Nursing - BScN/BSN/BN	19,871	16,488	21,988
	Nurse Practitioner	1,229	868	1,034
	Nursing - Masters	60	72	380
	<b>Pharmacy</b>	9,398	7,040	9,128
	Pharmacist	9,398	7,040	9,128
	<b>Rehabilitation Sciences</b>	7,363	6,140	4,770
	Occupational Therapist	3,889	3,908	3,158
	Physiotherapist	2,552	1,476	1,296
	Speech & Language Pathologist/Communications	706	540	317
	Audiologist	216	216	
	<b>Social Work</b>	2,628	2,822	3,600
	Master of Social Work	2,250	1,688	3,600
	Bachelor of Social Work	378	1,134	
	<b>Food &amp; Nutrition</b>	2,680	2,976	3,096
	Dietitian	2,680	2,976	3,096
	<b>Other Health</b>	570	2,090	4,886
	Master of Science in Medical Genetics			4,116
	Masters of Public Health	480	2,090	770
	Various - Multidisciplinary/Interdisciplinary	90		
	<b>Psychology</b>	1,600	1,000	80

Education Institution	Discipline/Sub-discipline	Total Student Hours		
		FY 19-20	FY 20-21	FY 21-22
	Counselling Psychology	1,600		64
	Psychology (PHD)		1,000	16
	Medicine			1,520
	Midwifery			1,520
	Dental Medicine		8	884
	Doctor of Dental Medicine		8	684
	General Practice Residency			200
	Administration	120	70	
	Master of Library and Information Services	120		
	Policy and Planning		70	
<b>Justice Institute of BC</b>		<b>52,705</b>	<b>29,558</b>	<b>45,456</b>
	Paramedic	52,705	29,558	45,456
	Primary Care Paramedic - on-car	37,061	22,705	39,144
	Advanced Care Paramedic - on-car	15,421	6,589	6,192
	Paramedic-Advanced/Critical Care	224	264	120
<b>Thompson Rivers University</b>		<b>11,014</b>	<b>20,062</b>	<b>22,214</b>
	Therapist	9,800	18,620	20,580
	Respiratory Therapist	9,800	18,620	20,580
	Nursing	1,214	1,442	1,214
	Bacc Nursing - BScN/BSN/BN	614	1,046	614
	Registered Nurse	600	396	600
	Social Work			420
	Bachelor of Social Work			420
<b>Douglas College</b>		<b>13,582</b>	<b>14,622</b>	<b>17,579</b>
	Nursing	11,880	13,782	14,749
	Bacc Nursing - BScN/BSN/BN	7,836	9,142	8,939
	Psychiatric Nursing Bacc - BScN/BN/RPN Psych	4,044	4,640	5,810
	Therapist	985	840	1,400
	Recreation Therapist Degree	985	840	1,400
	Health Information Management	672		1,080
	Health Information Management	672		1,080
	Social Work			350
	Bachelor of Social Work			350
	Other Health	45		
	Community Health Worker	45		
<b>Langara College</b>		<b>21,754</b>	<b>11,910</b>	<b>17,526</b>
	Nursing	21,268	11,910	17,526
	Bacc Nursing - BScN/BSN/BN	21,268	11,910	17,526
	Other Health	486		
	Therapeutic Touch Practitioner	486		
<b>Kwantlen Polytechnic University</b>		<b>12,504</b>	<b>16,895</b>	<b>14,484</b>
	Nursing	12,504	16,895	14,484
	Bacc Nursing - BScN/BSN/BN	8,512	11,999	12,002
	Psychiatric Nursing Bacc - BScN/BN/RPN Psych	3,800	4,704	2,386
	Registered Nurse	192	192	96
<b>Columbia Paramedic Academy</b>			<b>2,532</b>	<b>11,544</b>
	Paramedic		2,532	11,544
	Primary Care Paramedic - on-car		2,532	11,544
<b>Vancouver Community College</b>		<b>4,669</b>	<b>7,969</b>	<b>11,440</b>

Education Institution	Discipline/Sub-discipline	Total Student Hours		
		FY 19-20	FY 20-21	FY 21-22
	Nursing	2,016	3,576	6,156
	Bacc Nursing - BScN/BSN/BN	2,016	3,576	6,156
	Technologist/Technician	300	2,696	3,788
	Sterile Processing Technician		2,396	3,188
	Medical Laboratory Assistant	300	300	600
	Administration	1,828	800	924
	Health Unit Coordinator/Nursing Unit Clerk	1,660	800	840
	Medical Transcriptionist	168		84
	Rehabilitation Sciences	225	675	413
	Rehabilitation Assistant	225	675	413
	Pharmacy	300	222	160
	Pharmacy Technician	300	222	160
<b>Simon Fraser University</b>		<b>6,460</b>	<b>6,059</b>	<b>6,840</b>
	Other Health	5,860	5,344	4,120
	Masters of Public Health	5,860	5,344	4,120
	Psychology	600	715	2,720
	Psychology (PHD)		415	2,720
	Psychology (Masters)	600	300	
<b>AET Paramedic Academy</b>		<b>2,384</b>	<b>1,660</b>	<b>4,092</b>
	Paramedic	2,384	1,660	4,092
	Primary Care Paramedic - on-car	2,384	1,660	4,092
<b>Stenberg College</b>		<b>2,923</b>	<b>3,460</b>	<b>3,674</b>
	Nursing	1,080	2,700	1,674
	Psychiatric Nursing - Diploma	1,080	2,700	1,674
	Administration	1,043	240	1,200
	Health Unit Coordinator/Nursing Unit Clerk	683	240	1,200
	Clerical - General	360		
	Pharmacy	800	520	800
	Pharmacy Technician	800	520	800
<b>Trinity Western University</b>		<b>2,352</b>	<b>3,700</b>	<b>3,456</b>
	Nursing	2,352	3,600	3,456
	Bacc Nursing - BScN/BSN/BN	2,352	3,600	3,456
	Other Health		100	
	Counselling - Other		100	
<b>University of the Fraser Valley</b>		<b>2,550</b>	<b>1,140</b>	<b>3,296</b>
	Social Work	2,550	840	2,090
	Child and Youth Care Worker	1,200		1,220
	Master of Social Work	1,350		450
	Bachelor of Social Work		840	420
	Nursing			1,056
	Bacc Nursing - BScN/BSN/BN			1,056
	Administration		300	150
	Health Unit Coordinator/Nursing Unit Clerk		300	150
<b>University of Victoria</b>		<b>5,095</b>	<b>4,309</b>	<b>3,112</b>
	Nursing	2,395	3,059	2,762
	Nurse Practitioner	1,095	1,265	1,930
	Bacc Nursing - BScN/BSN/BN	1,092	1,690	624
	Nursing - Masters	208	104	208
	Social Work	1,500	450	350

Education Institution	Discipline/Sub-discipline	Total Student Hours		
		FY 19-20	FY 20-21	FY 21-22
	Bachelor of Social Work	1,050		350
	Master of Social Work	450	450	
	Psychology	300	800	
	Psychology (PHD)		800	
	Counselling Psychology	300		
	Other Health	900		
	Masters of Public Health	900		
<b>Sprott-Shaw College</b>				<b>3,016</b>
	Administration			2,816
	Health Unit Coordinator/Nursing Unit Clerk			2,304
	Medical Office Assistant			512
	Other Health			200
	Community Health and Preventive Medicine			200
<b>Adler University</b>		<b>448</b>	<b>700</b>	<b>2,100</b>
	Psychology	448	700	2,100
	Psychology (Masters)	448	700	1,400
	Counselling Psychology			700
<b>Capilano University</b>		<b>1,010</b>	<b>2,008</b>	<b>1,700</b>
	Therapist	850	1,790	1,700
	Music Therapist	850	1,790	1,700
	Rehabilitation Sciences	160	218	
	Rehabilitation Assistant	160	218	
<b>Wilfrid Laurier University</b>		<b>462</b>	<b>338</b>	<b>1,625</b>
	Social Work	462	338	1,625
	Master of Social Work	462	338	1,625
<b>University of Toronto</b>			<b>1,920</b>	<b>1,480</b>
	Other Health		1,120	980
	Masters of Public Health		1,120	980
	Nursing		600	300
	Nurse Practitioner		600	300
	Pharmacy		200	200
	Pharmacist		200	200
<b>Renison University College</b>				<b>1,262</b>
	Social Work			1,262
	Master of Social Work			1,262
<b>Camosun College/University of Victoria</b>			<b>540</b>	<b>1,230</b>
	Nursing		540	1,230
	Bacc Nursing - BScN/BSN/BN		540	1,230
<b>University of Windsor</b>				<b>1,220</b>
	Psychology			800
	Clinical Psychology			800
	Social Work			420
	Master of Social Work			420
<b>McMaster University</b>		<b>360</b>	<b>400</b>	<b>920</b>
	Other Health		400	920
	Masters of Public Health		400	560
	Child Life Specialist			360
	Social Work	360		
	Child and Youth Care Worker	360		

Education Institution	Discipline/Sub-discipline	Total Student Hours		
		FY 19-20	FY 20-21	FY 21-22
University of British Columbia - Okanagan		900	1,606	900
	Social Work	900	1,606	900
	Master of Social Work	900	1,606	900
University of Guelph				840
	Management			840
	Master of Health Administration			840
Queens University		800		800
	Other Health	800		400
	Masters of Public Health	800		400
	Nursing			400
	Bacc Nursing - BScN/BSN/BN			400
Okanagan College		258	126	756
	Rehabilitation Sciences	180		360
	Rehabilitation Assistant	180		360
	Nursing	78	126	296
	Bacc Nursing - BScN/BSN/BN	78	126	72
	Licensed Practical Nurse			224
	Administration			100
	Health Unit Coordinator/Nursing Unit Clerk			100
Heartsafe EMS		3,721	1,011	684
	Paramedic	3,721	1,011	684
	Primary Care Paramedic - on-car	3,721	1,011	684
City University of Seattle		300		600
	Psychology	300		600
	Counselling Psychology	300		600
Athabasca University		70	630	530
	Nursing	70	630	530
	Bacc Nursing - BScN/BSN/BN		380	380
	Nurse Practitioner	70	250	150
University of Calgary			300	525
	Social Work			525
	Bachelor of Social Work			525
	Psychology		300	
	Counselling Psychology		300	
Nicola Valley Institute of Technology		287	420	420
	Social Work	287	420	420
	Bachelor of Social Work	287	420	420
University of Alberta		400	800	400
	Other Health	400	800	400
	Masters of Public Health	400	800	400
Lakehead University				400
	Other Health			400
	Masters of Public Health			400
College of New Caledonia		245	65	323
	Nursing	245	65	180
	Licensed Practical Nurse	245	65	180
	Administration			143
	Health Unit Coordinator/Nursing Unit Clerk			143
Vancouver Art Therapy Institute		200	150	300

Education Institution	Discipline/Sub-discipline	Total Student Hours		
		FY 19-20	FY 20-21	FY 21-22
	Therapist	200	150	300
	Art Therapist	200	150	300
Ashton College				270
	Administration			270
	Health Unit Coordinator/Nursing Unit Clerk			270
Sprott Shaw College			128	256
	Administration		128	256
	Health Unit Coordinator/Nursing Unit Clerk		128	256
Vancouver Island University				240
	Other Health			240
	Community Health and Preventive Medicine			240
CDI College		160		160
	Pharmacy	160		160
	Pharmacy Technician	160		160
Robertson College				160
	Non-Health			160
	Other Non Health Disciplines			160
Vancouver Career College		140		140
	Social Work	140		
	Social Services Worker Certificate	140		
	Administration			140
	Medical Office Assistant			140
College of the North Atlantic				120
	Rehabilitation Sciences			120
	Rehabilitation Assistant			120
NorQuest College				100
	Non-Health			100
	Other Non Health Disciplines			100
Saskatchewan Polytechnic				73
	Other			73
	Health Information Management			73
Langara College				60
	Administration			60
	Library and Information Technology			60
McGill University		400		38
	Nursing	400		
	Bacc Nursing - BScN/BSN/BN	400		
	Other Health			38
	Masters of Public Health			38
Camosun College			500	32
	Administration		500	
	Health Unit Coordinator/Nursing Unit Clerk		500	
	Technologist/Technician			32
	Radiology Tech			32
Holland College			5	12
	Paramedic		5	12
	Primary Care Paramedic - on-car		5	12
Confederate College		75		
	Technologist/Technician	75		

Education Institution	Discipline/Sub-discipline	Total Student Hours		
		FY 19-20	FY 20-21	FY 21-22
	Medical Radiation Technology	75		
University of Northern British Columbia		1,415	441	
	Social Work	1,415	441	
	Bachelor of Social Work	965	441	
	Master of Social Work	450		
University of Waterloo			462	
	Social Work		462	
	Master of Social Work		462	
Selkirk College		240		
	Administration	240		
	Health Unit Coordinator/Nursing Unit Clerk	240		
University of Western Ontario			400	
	Other Health		400	
	Masters of Public Health		400	
Ryerson University			112	
	Food & Nutrition		112	
	Other		112	
Center for Distance Education		225		
	Health Information Management	225		
	Health Information Management	225		
York University			338	
	Social Work		338	
	Master of Social Work		338	
HealthcareCAN		70		
	Health Information Management	70		
	Health Information Management	70		
University of Saskatchewan		40		
	Food & Nutrition	40		
	Dietitian	40		
CAN-Cdn Healthcare Association		35		
	Health Information Management	35		
	Health Information Management	35		
<b>Grand Total</b>		<b>263,099</b>	<b>234,495</b>	<b>315,030</b>

## APPENDIX E – NEW HIRE ORIENTATION COURSE-STUDENT EDUCATION QUESTIONS

Question	Answer																																
Have you had a student practicum or placement at a PHSA site?	Yes Not Sure																																
Select the site name(s) where your practicum or placement took place. If Other, please specify the name of the site.	BC Cancer BC Centre for Disease Control BC Children's Hospital BC Emergency Health Services (BC Ambulance) BC Women's Hospital BC's Agency for Pathology and Laboratory Burnaby Centre for Mental Health Corrections Health Services Forensic Psychiatric Hospital Lower Mainland Pathology and Laboratory Medicine PHSA Corporate Services Sunny Hill Health Centre for Children Other (see next question)																																
Select the educational institution you were attending at the time of your practicum.	<table border="0"> <tr> <td>AET Paramedic Academy</td> <td>Simon Fraser University</td> </tr> <tr> <td>BCIT</td> <td>Stenberg College</td> </tr> <tr> <td>Camosun College</td> <td>Thompson Rivers University</td> </tr> <tr> <td>Capilano University</td> <td>Trinity Western University</td> </tr> <tr> <td>CDI College</td> <td>University of Alberta</td> </tr> <tr> <td>Douglas College</td> <td>University of British Columbia</td> </tr> <tr> <td>Heartsafe First Aid Training</td> <td>University of British Columbia - Okanagan</td> </tr> <tr> <td>Justice Institute of BC</td> <td>University of Northern British Columbia</td> </tr> <tr> <td>Kwantlen Polytechnic University</td> <td>University of the Fraser Valley</td> </tr> <tr> <td>Langara College</td> <td>University of Toronto</td> </tr> <tr> <td>Nicola Valley Institute of Technology</td> <td>University of Victoria</td> </tr> <tr> <td>Okanagan College</td> <td>Vancouver Career College</td> </tr> <tr> <td>Other</td> <td>Vancouver Community College</td> </tr> <tr> <td>Queens University</td> <td>West Coast College of Health Care</td> </tr> </table>	AET Paramedic Academy	Simon Fraser University	BCIT	Stenberg College	Camosun College	Thompson Rivers University	Capilano University	Trinity Western University	CDI College	University of Alberta	Douglas College	University of British Columbia	Heartsafe First Aid Training	University of British Columbia - Okanagan	Justice Institute of BC	University of Northern British Columbia	Kwantlen Polytechnic University	University of the Fraser Valley	Langara College	University of Toronto	Nicola Valley Institute of Technology	University of Victoria	Okanagan College	Vancouver Career College	Other	Vancouver Community College	Queens University	West Coast College of Health Care				
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Queens University	West Coast College of Health Care																																
Select the discipline you graduated from.	<table border="0"> <tr> <td>Art Therapist</td> <td>Paramedic - Advanced Care</td> </tr> <tr> <td>Child and Youth Care Worker</td> <td>Paramedic - Emergency Medical Responder</td> </tr> <tr> <td>Clerical - General</td> <td>Paramedic - Primary Care</td> </tr> <tr> <td>Clinical Genetics Technologist</td> <td>Pharmacist</td> </tr> <tr> <td>Dentist</td> <td>Pharmacy Technician</td> </tr> <tr> <td>Dietitian</td> <td>Physician</td> </tr> <tr> <td>Health Care Assistant</td> <td>Physiotherapist</td> </tr> <tr> <td>Health Information Management</td> <td>Psychology - Clinical</td> </tr> <tr> <td>Leadership</td> <td>Psychology - Counselling</td> </tr> <tr> <td>Medical Device Reprocessing Technician</td> <td>Psychology - other</td> </tr> <tr> <td>Medical Laboratory Assistant</td> <td>Public Health</td> </tr> <tr> <td>Medical Laboratory Technologist</td> <td>Radiation Therapist</td> </tr> <tr> <td>Medical Office Assistant</td> <td>Radiology Tech</td> </tr> <tr> <td>Midwives</td> <td>Recreation Therapist</td> </tr> <tr> <td></td> <td>Rehabilitation Assistant</td> </tr> <tr> <td></td> <td>Respiratory Therapist</td> </tr> </table>	Art Therapist	Paramedic - Advanced Care	Child and Youth Care Worker	Paramedic - Emergency Medical Responder	Clerical - General	Paramedic - Primary Care	Clinical Genetics Technologist	Pharmacist	Dentist	Pharmacy Technician	Dietitian	Physician	Health Care Assistant	Physiotherapist	Health Information Management	Psychology - Clinical	Leadership	Psychology - Counselling	Medical Device Reprocessing Technician	Psychology - other	Medical Laboratory Assistant	Public Health	Medical Laboratory Technologist	Radiation Therapist	Medical Office Assistant	Radiology Tech	Midwives	Recreation Therapist		Rehabilitation Assistant		Respiratory Therapist
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Question	Answer	
	Music Therapist Nuclear Medicine Tech Nursing - LPN Nursing - NP Nursing - RN Nursing - RPN Occupational Therapist	Social Work Speech & Language Pathologist Unit Clerk /Unit Coordinator Other
Select the year that you completed your program of study.	Enter 4-digit year	
If you had a student practice experience at PHSA, did it encourage you to come back and work	Yes No Neutral Not applicable Other	
Please feel free to share any final comments (as this survey is confidential, please do not include any information that will help us identify you).	Free form text field	