

# STUDENT EDUCATION METRICS



## SUPPLEMENTARY REPORT

FISCAL YEAR 2022 – 23

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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

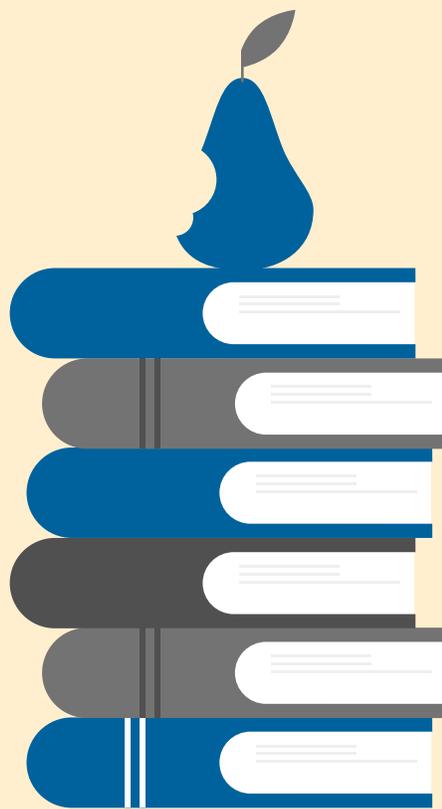
The report presents data for the past three fiscal years. As noted in last year's report, impacts to student education from the COVID-19 pandemic can be seen in fiscal year 2020-21. The data from 2021-22 and 2022-23 reflect the results of the collaborative responses to ensure continuity in preparing the future health workforce.

# PHSA STUDENT EDUCATION METRICS FISCAL YEAR SUMMARY- PHSA OVERALL

Indicator		Key Measure Description	FY 2020-21	FY 2021-22	FY 2022-23
			Value	Value	Value
Build Student Education Capacity	1a	<b>Total Number of Student Hours by Program</b> (excludes medical learners)	<b>234,496</b>	<b>315,031</b>	<b>344,384</b>
		BCCH (including Sunny Hill)	106,181	131,221	124,248
		BCEHS	34,503	61,668	80,162
		BCW	29,915	45,954	50,668
		BCMHSUS (Forensics, MH & Addictions, CHS, Red Fish)	32,894	38,909	42,455
		BC CANCER – all locations	24,965	30,775	37,380
		BCCDC	5,058	3,674	7,246
		All Other	980	2,830	2,226
	1a	<b>Total Number of Students by Program</b> (excludes medical learners)	<b>1,465</b>	<b>2,130</b>	<b>2,260</b>
		BCCH (including Sunny Hill)	644	894	802
		BCEHS	244	439	645
		BCW	251	362	357
		BCMHSUS (Forensics, MH & Addictions, Burnaby Centre, CHS, Red Fish)	202	262	283
		BC CANCER – all locations	104	139	135
	BCCDC	13	16	19	
	All Other	7	18	19	
1b	<b>Total Number of Medical Learners</b> (Undergraduate & Post-Graduate)				
	Undergraduate Medical Students (annual)	451	492	419	
	Post-Graduate Medical Residents (annual)	866	858	888	
1c	Estimated FTE of staff time in direct supervision of students**	83	112	130	
1f	Total Number of PHSA declined placement requests in HSPnet	384	377	239	
1g	<b>Total # of Staff Participants participating in Preceptor/Educator Training</b>				
	Educator Pathway Project (Preceptor/Educator Training)	265	526	259	
	BC Emergency Health Services (Preceptor Training)	98	57	121	
1h	<b>Total Number of Preceptors in HSPnet with and without a placement**</b>				
	With a placement	348	377	563	
	Without a placement	325	309	198	
Build Effective Partnerships and Collaborations to Support Innovation	2a	Total # of Affiliation Agreements	69	75	75
	2b	<b>Top 5 Education Institutions by student hours-all disciplines**</b>			
		BCIT	57,646	75,262	71,642
		University of BC	38,541	50,458	60,198
		Justice Institute of BC	29,708	45,456	57,114
	Douglas College	14,622	17,579	26,566	
	Columbia Paramedic Academy	-	-	23,296	
2c	<b>Distribution of Student Hours by Student Education setting**</b>				
	Hospital	131,485	175,874	184,565	
	On Car	34,503	61,668	80,162	
	Out Patient/Mixed	54,479	66,887	66,643	
	Other (Population Health and Corporate)	14,028	10,602	13,014	
Results	3a	# of hires at PHSA with previous PE Placement**	195 (11%)	483 (12%)	568 (12%)

\*\* Excludes undergraduate and post-graduate medical learners

# PHSA SUMMARY SECTION



# 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 2022-23, PHSA programs provided 344,384 student hours (excluding medical learners), an increase of 29,353 (9%) hours. Overall PHSA saw a consistent level of support for students. Disciplines that had more activity (hours or student placements) than last fiscal year include: Bachelor of Nursing, Psychiatric Nursing, Paramedics, and Pharmacy Technicians.

A breakdown of student hours and students by discipline, sub-discipline and fiscal year are listed 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 20-21		FY 21-22		FY 22-23	
	Total Student Hours	Total # of Students	Total Student Hours	Total # of Students	Total Student Hours	Total # of Students
<b>Nursing</b>	99,624	823	123,602	1,069	127,942	1,042
Bacc Nursing - BScN/BSN/BN	70,493	610	93,302	813	95,434	798
Post-RN Specialty	13,276	137	15,329	156	13,272	133
Psychiatric Nursing - BScN/BN/RPN						
Psych	9,344	42	8,196	50	12,709	74
Nurse Practitioner	2,983	19	3,414	26	1,906	19
Psychiatric Nursing - Diploma	2,700	8	1,674	7	3,600	12
Registered Nurse	588	4	696	3	300	1
Licensed/Registered Practical Nurse	65	1	404	8	560	3
Nursing - Masters	176	2	588	6	162	2
<b>Paramedic</b>	34,917	277	61,788	454	80,410	676
Primary Care Paramedic - on-car	27,913	226	55,476	403	58,024	520
Advanced Care Paramedic - on-car	6,739	18	6,192	36	22,138	125
Paramedic-Advanced/Critical Care	264	33	120	15	248	31
<b>Therapist</b>	37,068	122	43,248	134	42,644	132
Respiratory Therapist	18,620	76	20,580	84	19,355	79
Radiation Therapist	15,668	39	19,268	43	20,213	33
Music Therapist	1,790	3	1,700	2	850	1
Recreation Therapist Degree	840	3	1,400	4	1,190	6
Art Therapist	150	1	300	1	700	1
Massage Therapist					336	12
<b>Technologist/Technician</b>	20,345	72	23,281	84	20,665	86
Medical Laboratory Technologist	7,875	5	9,750	10	6,300	4
Sterile Processing Technician	2,396	6	3,188	8	2,385	6
Clinical Genetics Technologist	1,840	5	2,870	8	3,099	9
Sonography Tech	1,881	11	2,450	13	3,472	18
Radiology Tech	3,653	14	1,958	14	1,079	8
Nuclear Medicine Tech	2,000	25	1,760	22	2,080	27

Discipline/Sub-discipline	FY 20-21		FY 21-22		FY 22-23	
	Total Student Hours	Total # of Students	Total Student Hours	Total # of Students	Total Student Hours	Total # of Students
Medical Laboratory Assistant	300	2	600	4	1,200	8
Perfusionist	240	3	225	2	451	4
Magnetic Resonance Imaging (MRI) Technology/Technician	160	1			600	2
Electroencephalograph Technologist			480	3		
<b>Other Health</b>	<b>10,254</b>	<b>26</b>	<b>13,109</b>	<b>51</b>	<b>18,258</b>	<b>48</b>
Masters of Public Health	10,154	25	7,668	27	9,354	22
Master of Science in Medical Genetics			4,116	18	7,684	18
Community Health and Preventive Medicine			440	2	1,220	8
Biomedical Engineer			525	3		
Child Life Specialist			360	1		
Counselling - Other	100	1				
<b>Pharmacy</b>	<b>7,982</b>	<b>29</b>	<b>10,448</b>	<b>62</b>	<b>12,140</b>	<b>63</b>
Pharmacist	7,240	23	9,328	55	9,040	45
Pharmacy Technician	742	6	1,120	7	3,100	18
<b>Social Work</b>	<b>7,717</b>	<b>19</b>	<b>11,962</b>	<b>28</b>	<b>8,666</b>	<b>21</b>
Master of Social Work	4,882	12	8,257	18	5,412	12
Bachelor of Social Work	2,835	7	2,485	6	2,194	6
Child and Youth Care Worker			1,220	4	800	2
Social Services Worker					260	1
<b>Rehabilitation Sciences</b>	<b>7,032</b>	<b>32</b>	<b>5,663</b>	<b>31</b>	<b>6,995</b>	<b>42</b>
Occupational Therapist	3,908	18	3,158	15	4,407	24
Physiotherapist	1,476	7	1,296	7	1,278	9
Rehabilitation Assistant	893	4	893	6	780	5
Speech & Language Pathologist/Communications	540	2	317	3	302	2
Audiologist	216	1			225	1
Prosthetist					3	1
<b>Administration</b>	<b>3,096</b>	<b>30</b>	<b>7,179</b>	<b>67</b>	<b>6,219</b>	<b>57</b>
Health Unit Coordinator/Nursing Unit Clerk	1,968	17	5,263	46	4,490	37
Medical Office Assistant	560	7	1,772	19	1,285	16
Human Resources Management	450	3				
Communications	48	2			180	1
Medical Transcriptionist			84	1	84	1
Master of Library and Information Services					120	1
Library and Information Technology			60	1	60	1
Policy and Planning	70	1				
<b>Psychology</b>	<b>3,515</b>	<b>9</b>	<b>6,300</b>	<b>16</b>	<b>4,448</b>	<b>11</b>
Psychology (PHD)	2,215	6	2,736	7	2,448	7
Psychology (Masters)	1,000	2	1,400	4	700	1
Counselling Psychology	300	1	1,364	4	1,300	3
Clinical Psychology			800	1		
<b>Medicine</b>			<b>1,520</b>	<b>12</b>	<b>9,748</b>	<b>33</b>
Midwifery			1,520	12	9,748	33

Discipline/Sub-discipline	FY 20-21		FY 21-22		FY 22-23	
	Total Student Hours	Total # of Students	Total Student Hours	Total # of Students	Total Student Hours	Total # of Students
<b>Food &amp; Nutrition</b>	3,088	24	3,096	30	4,320	24
Dietitian - Bachelor			1,760	16	4,320	24
Dietitian	2,976	23	1,336	14		
Other	112	1				
<b>Management</b>			840	2	1,080	5
Master of Health Administration			840	2	870	2
Policy and Planning					210	3
<b>Health Information Management</b>			1,080	18	470	3
Health Information Management			1,080	18		
Health Information Management Professional/Health Records Administrator					470	3
<b>Dental Medicine</b>	8	2	884	65	356	14
Doctor of Dental Medicine	8	2	684	60	56	4
General Practice Residency			200	5	280	7
Pediatric dentistry/pedodontics					16	2
Prosthodontics/prosthodontology					4	1
<b>Non-Health</b>			960	6	24	3
Other Non Health Disciplines			960	6		
Bachelor of Science					24	3
<b>Other</b>			73	1		
Health Information Management			73	1		
<b>Grand Total</b>	<b>234,645</b>	<b>1,465</b>	<b>315,030</b>	<b>2,130</b>	<b>344,384</b>	<b>2,260</b>

### Medical placement activity

The number of Medical Doctor Undergraduates (MDUG) and Post Graduate Medical Education (PGME) students (1,306), placements (5,176) and days (118,410) for all clinical placements by program is 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 MDUG program had a total of 419 distinct students, representing 1,610 placements and 23,973 days, arriving at PHSA facilities from April 1, 2022 – March 31, 2023. See Table 2 for a breakdown by specialty.

**TABLE 2: MDUG Total # of Distinct Students, Placements and Requested Days – FY 2022-23**

Specialty	# of Distinct Students	# of Placements	Total # of Days
Anesthesiology	188	392	5,110
Cardiology	37	52	738
Developmental Pediatrics	1	1	28
Diagnostic Radiology	9	10	119
Emergency	10	14	273
Endocrinology	3	5	84
Family Medicine	20	26	553
Forensic Psychiatry	9	9	119
Gastroenterology	2	2	49
Infectious Disease	1	1	28
Internal Medicine	38	47	740
Medical Biochemistry	21	27	399

Specialty	# of Distinct Students	# of Placements	Total # of Days
Medical Genetics	5	6	70
Medical Oncology	8	9	112
Neonatal Perinatal Medicine	1	1	28
Neurology - Pediatric	25	33	495
Neurosurgery	5	6	84
ObGyn	41	76	1,532
Oncology	22	24	343
Ophthalmology	191	195	1,413
Orthopedic Surgery	3	3	56
Orthopedics	5	5	70
Otolaryngology	12	16	210
Pathology	4	5	105
Pediatrics	154	276	4,641
Plastic Surgery	19	21	252
Psychiatry	134	260	5,129
Radiation Oncology	76	88	1,193
<b>Grand Total</b>	<b>419</b>	<b>1,610</b>	<b>23,973</b>

The Post Graduate Medical Education program (PGME) had a total of 888 distinct students, representing 3,566 placements and 94,437 days, arriving at PHSA facilities from April 1, 2022 – March 31, 2023. See Table 3 for a breakdown by specialty.

**TABLE 3:** PGME Total # of Distinct Students, Placements and Requested Days – FY 2022-23

Specialty	# of Distinct Students	# of Placements	Total # of Days
Adolescent Medicine	1	1	28
Anesthesiology	62	143	3,947
Cardiac Surgery	2	9	255
Cardiology	32	45	1,256
Child & Adolescent Psychiatry	1	2	28
Clinical Immunology & Allergy - Adult	2	2	56
Critical Care	60	81	2,407
Dermatology	15	57	1,686
Developmental Pediatrics	15	30	831
Diagnostic Radiology	37	146	3,994
Emergency	200	243	5,717
Emergency Medicine - Pediatrics	38	40	1,054
Endocrinology	30	62	1,725
Family Medicine	11	15	244
Forensic Psychiatry	3	3	83
Gastroenterology	20	22	609
General Internal Medicine	2	6	168
General Surgical Oncology	1	1	28
General Survey	14	28	785
Geriatric Medicine	4	5	140
Geriatric Psychiatry	1	6	182
Gynecological Oncology	1	1	28
Gynecological Reproductive Endocrinology & Infertili	3	3	56
Hematology	11	13	284
Infectious Disease	27	49	1,163

Specialty	# of Distinct Students	# of Placements	Total # of Days
Medical Biochemistry	13	22	603
Medical Genetics	12	36	901
Medical Oncology	15	15	349
Neonatal Perinatal Medicine	35	66	1,544
Neurology	16	21	576
Neurology - Pediatric	49	106	2,425
Neuropathology	4	6	167
Neuroradiology	15	39	1,088
Neurosurgery	2	5	137
Nuclear Medicine	21	73	2,038
ObGyn	108	388	10,372
Oncology	63	164	4,480
Ophthalmology	26	71	1,813
Orthopedic Surgery	13	34	934
Orthopedics	17	49	1,321
Otolaryngology	13	61	1,699
Palliative	24	37	843
Pathology	41	104	2,765
Pediatrics	218	730	18,002
Physical Medicine & Rehabilitation	4	19	524
Plastic Surgery	6	14	358
Population and Public Health	14	27	739
Psychiatry	84	270	8,675
Radiation Oncology	25	109	2,975
Respirology	6	7	108
Rheumatology	20	28	794
Urology	16	52	1,453
<b>Grand Total</b>	<b>888</b>	<b>3,566</b>	<b>94,437</b>

### Monthly placement activity

The number of distinct students (1,615, down from 1,691 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.

Use this data 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 learners 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 2022-23**

Discipline/Sub-discipline	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Annual Total
<b>Nursing</b>	69	106	46	4	1	240	175	40	19	185	87	70	1,042
Bacc Nursing - BScN/BSN/BN	32	87	40	3	1	189	142	28	13	132	63	68	798
Post-RN Specialty	31	11	3			21	21	11		24	11		133
Psychiatric Nursing Bacc		7				22	11			22	12		74
Nurse Practitioner	1	1	2			4	1	1		6	1	2	19
Psychiatric Nursing - Diploma	5					3			4				12
Licensed/Registered Practical Nurse				1					2				3
Nursing - Masters						1				1			2
Registered Nurse			1										1
<b>Therapist</b>	1	13	12	1	19	15	11	1		27	15	17	132
Respiratory Therapist			12		11	11	10			12	11	12	79
Radiation Therapist		11			8	4				10			33
Massage Therapist										4	4	4	12
Recreation Therapist Degree		2		1				1		1		1	6
Art Therapist	1												1
Music Therapist							1						1
<b>Technologist/Technician</b>	7	7	7	10	6	7	15	4		6	11	6	86
Nuclear Medicine Tech	3		3	3	2	4	3	4		1	2	2	27
Sonography Tech	2	3	1	1	3		3			3	2		18
Clinical Genetics Technologist		2	2	2	1							2	9
Medical Laboratory Assistant						3	2				3		8
Radiology Tech		1								2	3	2	8
Sterile Processing Technician							6						6
Medical Laboratory Technologist				4									4
Perfusionist	2	1									1		4
Magnetic Resonance Imaging (MRI) Technology/Technician			1				1						2
<b>Pharmacy</b>	2	19	7	1	3	13	3	1		9	5		63
Pharmacist		17	5		3	9				7	4		45
Pharmacy Technician	2	2	2	1		4	3	1		2	1		18
<b>Administration</b>	7	13	1	3	3	4	19	2		3	1	1	57
Health Unit Coordinator /Nursing Unit Clerk	4	7	1	3	2	3	14	1		1	1		37
Medical Office Assistant	2	6			1		5			1		1	16
Master of Library and Information Services						1							1
Library and Information Technology Communications								1					1
Medical Transcriptionist	1												1
<b>Other Health</b>	1	18	4		12	2	2	3		5	1		48
Masters of Public Health		18								4			22
Master of Science in Medical Genetics					12	2	2			1	1		18
Community Health and Preventive Medicine	1		4					3					8
<b>Rehabilitation Sciences</b>	7	3			1	1	1	11		11	4	3	42
Occupational Therapist	3	2			1			5		11	2		24
Physiotherapist	1	1						4			2	1	9
Rehabilitation Assistant	2							2				1	5

Discipline/Sub-discipline	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Annual Total
Speech & Language Pathologist/Communications	1					1							2
Prosthetist							1						1
Audiologist												1	1
Medicine	1	7	5	7	1	9	1					2	33
Midwifery	1	7	5	7	1	9	1					2	33
Paramedic				6	9	3	8	2				3	31
Paramedic-Advanced/ Critical Care				6	9	3	8	2				3	31
Food & Nutrition	3	7	2			4		2		1	5		24
Dietitian - Bachelor	3	7	2			4		2		1	5		24
Social Work		2			1	8				10			21
Master of Social Work		2				6				4			12
Bachelor of Social Work										6			6
Child and Youth Care Worker						2							2
Social Services Worker					1								1
Dental Medicine	4	1		1		5			1		1	1	14
General Practice Residency	1	1		1		1			1		1	1	7
Doctor of Dental Medicine	3					1							4
Pediatric dentistry/pedodontics						2							2
Prosthodontics/prosthodontology						1							1
Psychology		1		3		7							11
Psychology (PHD)				2		5							7
Counselling Psychology		1		1		1							3
Psychology (Masters)						1							1
Management		2				3							5
Policy and Planning						3							3
Master of Health Administration		2											2
Health Information Management	2											1	3
Health Information Management Professional/Health Records Administrator	2											1	3
Non-Health											2	1	3
Bachelor of Science											2	1	3
<b>Grand Total</b>	<b>104</b>	<b>199</b>	<b>84</b>	<b>36</b>	<b>56</b>	<b>321</b>	<b>235</b>	<b>66</b>	<b>20</b>	<b>257</b>	<b>132</b>	<b>105</b>	<b>1,615</b>

### Placement status by select occupation

Below is a listing of the number of confirmed and declined placements for some occupations of interest in BC. This data allows the organization to compare the number of students with workforce planning data and evaluate if they warrant targeted approaches to collaborate across programs and academic partners. For example, again 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 indicates the number of confirmed and declined placement requests for a specific occupation and the education institutions that requested placements.

**TABLE 5:** Number of Confirmed and Declined Placement Requests by Educational Institution – FY 2022-23

Disciplines of Interest/Education Institution	Confirmed	Declined by Agency
Respiratory Therapist	79	
Thompson Rivers University	79	

Disciplines of Interest/Education Institution	Confirmed	Declined by Agency
<b>Nurse Practitioner</b>	<b>19</b>	<b>23</b>
Athabasca University	1	
University of Alberta	1	1
University of British Columbia	6	15
University of Victoria	5	5
University of Saskatchewan	2	
University of Northern British Columbia	4	2
<b>Dietitian - Bachelor</b>	<b>24</b>	
University of British Columbia	24	
<b>Occupational Therapist</b>	<b>24</b>	
University of British Columbia	24	
<b>Sonography Tech</b>	<b>18</b>	
BCIT	18	
<b>Master of Social Work</b>	<b>12</b>	<b>5</b>
Renison University College	1	
University of British Columbia	7	1
University of British Columbia - Okanagan	3	2
University of Victoria	1	1
Wilfrid Laurier University		1
<b>Bachelor of Social Work</b>	<b>6</b>	<b>8</b>
Douglas College		3
Nicola Valley Institute of Technology	1	
University of British Columbia	4	3
University of the Fraser Valley		1
University of Victoria		1
University of Northern British Columbia	1	
<b>Physiotherapist</b>	<b>9</b>	
University of British Columbia	9	
<b>Medical Laboratory Assistant</b>	<b>8</b>	
Vancouver Community College	8	
<b>Medical Laboratory Technologist</b>	<b>4</b>	
BCIT	4	
<b>Perfusionist</b>	<b>4</b>	
BCIT	4	
<b>Grand Total</b>	<b>207</b>	<b>36</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, 380 preceptors participated in sessions offered by BC Children’s Hospital, BC Women’s Hospital & Health Centre, BC Cancer, BC Mental Health and Substance Use Services, BC Emergency Health Services and PHSA Corporate. See Table 6 below for a breakdown of preceptor training by program and level for fiscal year 2022-23.

The Educator Pathway Program held sessions for levels 1, 2, and 3. 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. The total number of preceptors participating in training is 316 for the Level 1, 49 for Level 2, and 15 for Level 3.

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 2022-23**

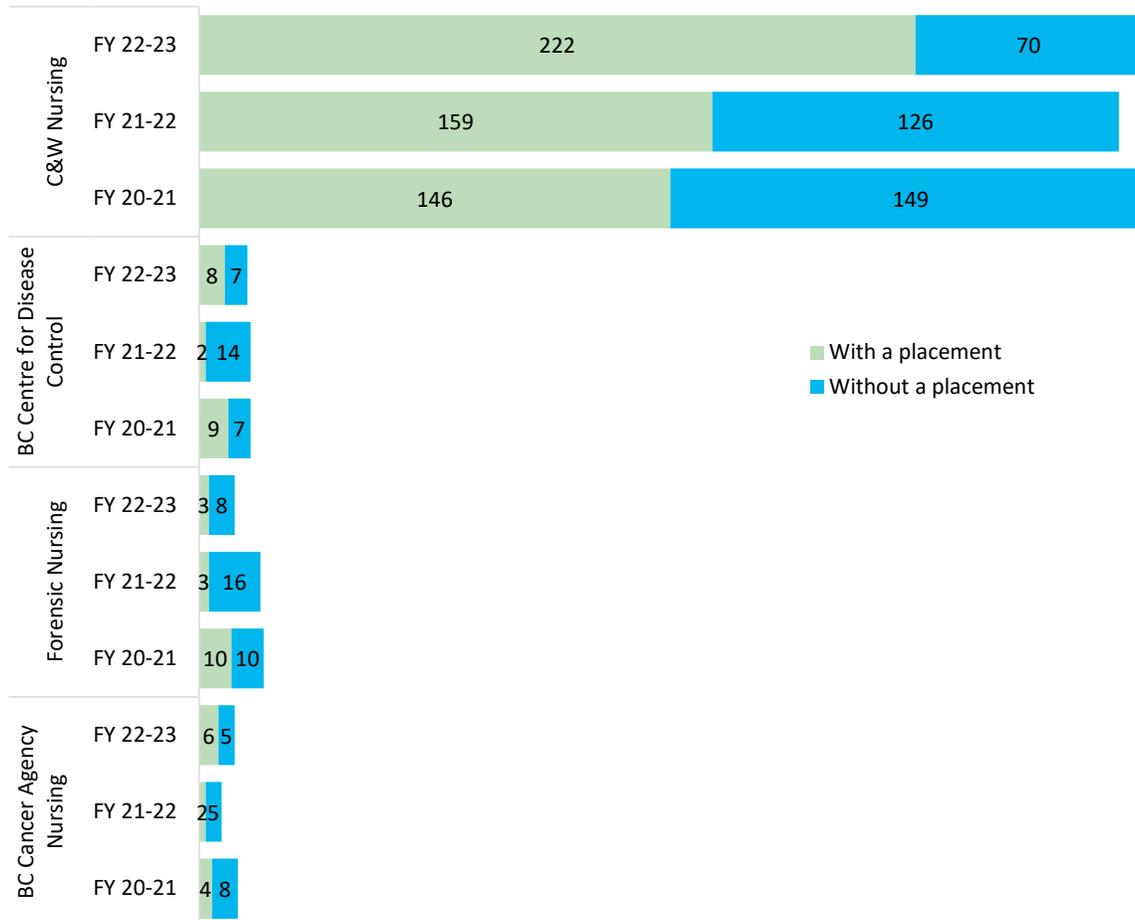
Level	LearningHub Course #s	BCCH/BCW	BC Cancer	BCCDC	BCEHS	BCMHSUS	PHSA Corporate	PHSA-wide	PHSA Total
Level 1	28124							89	89
	16444	82							82
	3105	38							38
	17778				107				107
Level 2	28123	9	11	3	9	0	4	13	49
Level 3	22245	3	2	3	5	0	2	0	15
<b>Total</b>		<b>132</b>	<b>13</b>	<b>6</b>	<b>121</b>	<b>0</b>	<b>6</b>	<b>102</b>	<b>380</b>

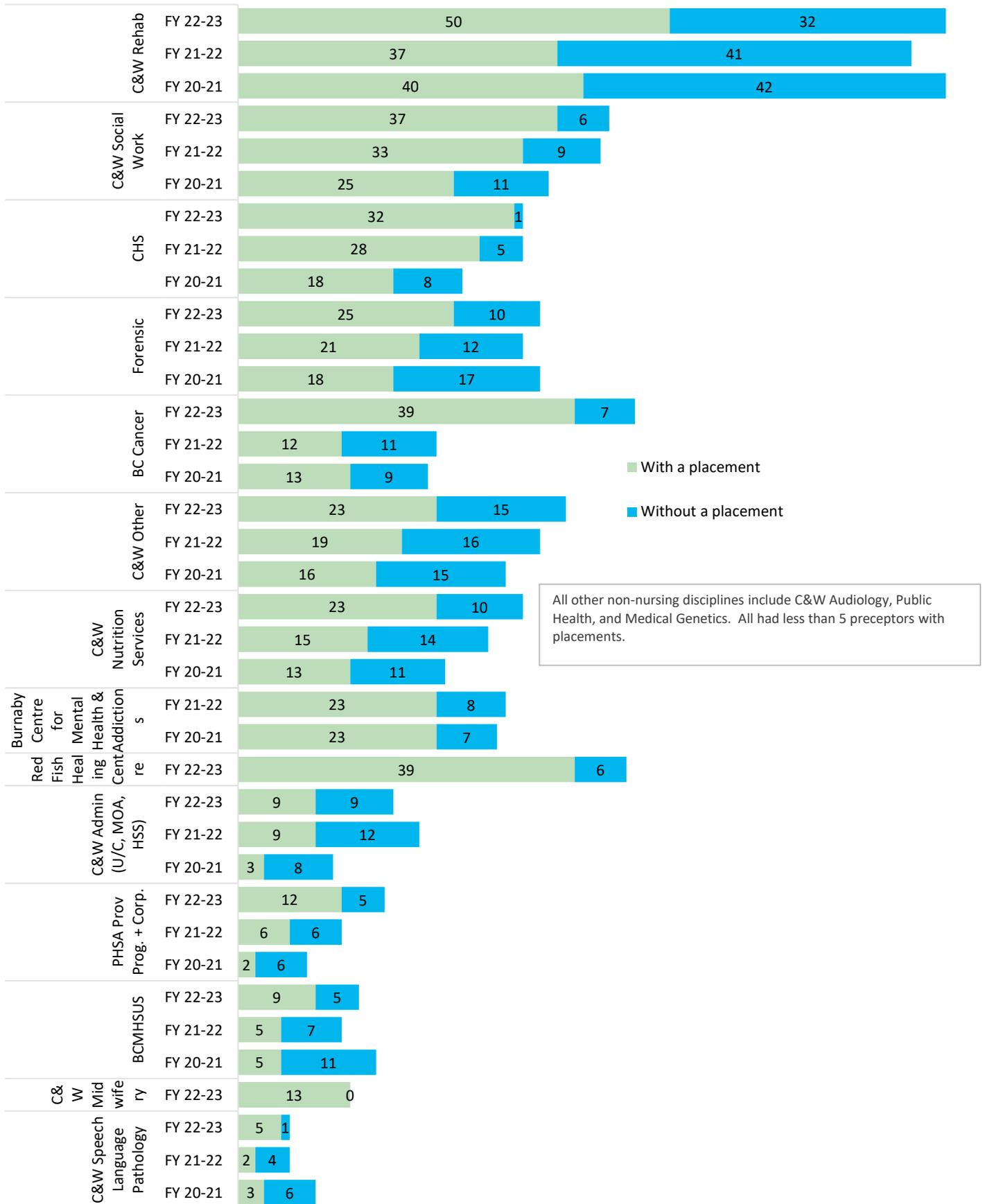
## Preceptor Activity

PHSA had a total of 761 active preceptors in FY 2022-23 across all PHSA disciplines, up 75 from 2021-22. Along with increased total number of preceptors, the number with an active placement also increased by 186.

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.

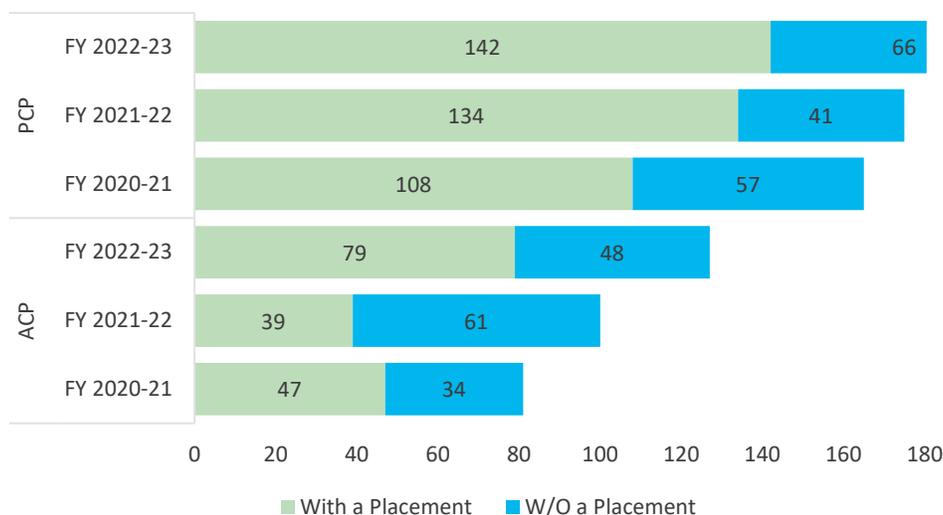
**FIGURE 1:** Number of Preceptors by Student Placement Activity and Fiscal Year - Nursing



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


The number of active preceptors in BC Emergency Health Services (BCEHS) is detailed below in Figure 3. This includes all active preceptors for the Primary Care Paramedic and Advanced Care Paramedic courses. While a preceptor may be trained, they may not be actively taking students. Supervision by preceptors in BCEHS' other programs (Critical Care Paramedic, Infant Transfer Team, and Dispatch) are excluded.

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



One element 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. To determine the number of full-time staff needed to preceptor students, the number of preceptorship hours are divided by 1,950, the full time hours of one FTE. Not included in the estimate are time 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 time and resources. There are additional in-kind costs that teams contribute to student education but quantifying the approximate staff time is one way of acknowledging PHSA's commitment to students and academic partners across the province.

Table 7 is the number of full time equivalent (FTE) staff needed by discipline to precept students in FY 2022-23. Excluded from this table are medical learners and students in group placements.

**TABLE 7: Preceptored Student Hours and Staff FTE to Support – FY 2022-23**

Discipline	Preceptored Student Hours	Staff FTE equivalent to support
Paramedic	80,161.60	41.11
Nursing	59,644.00	30.59
Therapist	23,288.50	11.94
Technologist/Technician	18,280.30	9.37
Other Health	18,257.50	9.36
Pharmacy	12,140.00	6.23
Medicine (Midwifery)	9,748.00	5.00
Social Work	8,666.00	4.44
Rehabilitation Sciences	6,995.40	3.59
Administration	6,218.50	3.19
Psychology	4,448.00	2.28
Food & Nutrition	4,320.00	2.22
Management	1,080.00	0.55

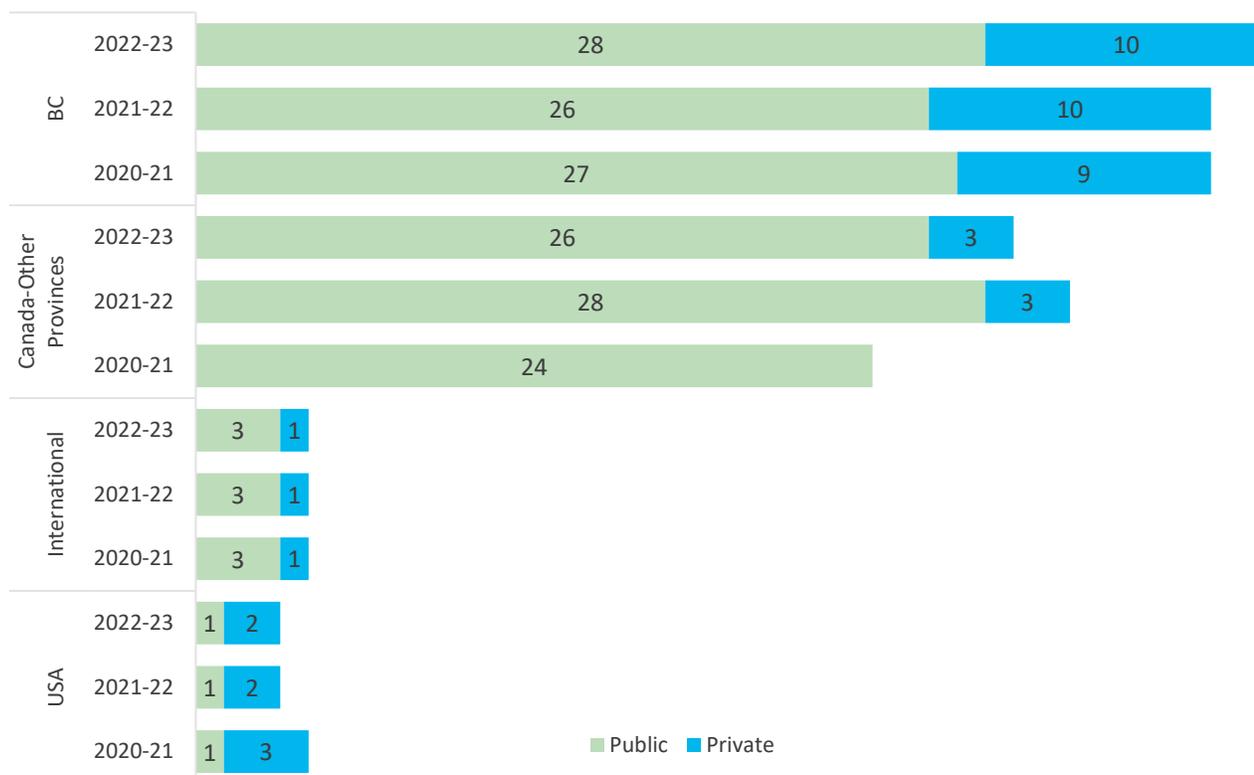
Discipline	Preceptored Student Hours	Staff FTE equivalent to support
Health Information Management	430.00	0.22
Dental Medicine	356.00	0.18
Non-Health	24.00	0.01
<b>Grand Total</b>	<b>254,033.80</b>	<b>130</b>

## 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 (77%) and private (23%) 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 an inter-health authority agreement in place with other BC Health Authorities, First Nations Health Authority, and BC Emergency Health Services to support continuing professional development. Of note is that although private institutions represent about 23% of affiliation agreements, they represent less than 12% of total student practicum hours. For a detailed list of education partners see Appendix D.

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



While PHSA has 75 partnerships in place, 90% of student practice hours for FY 2022-23 were with ten public institutions (see Figure 5). Find a detailed listing of student hours by institution, discipline and sub-discipline in Appendix E. 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

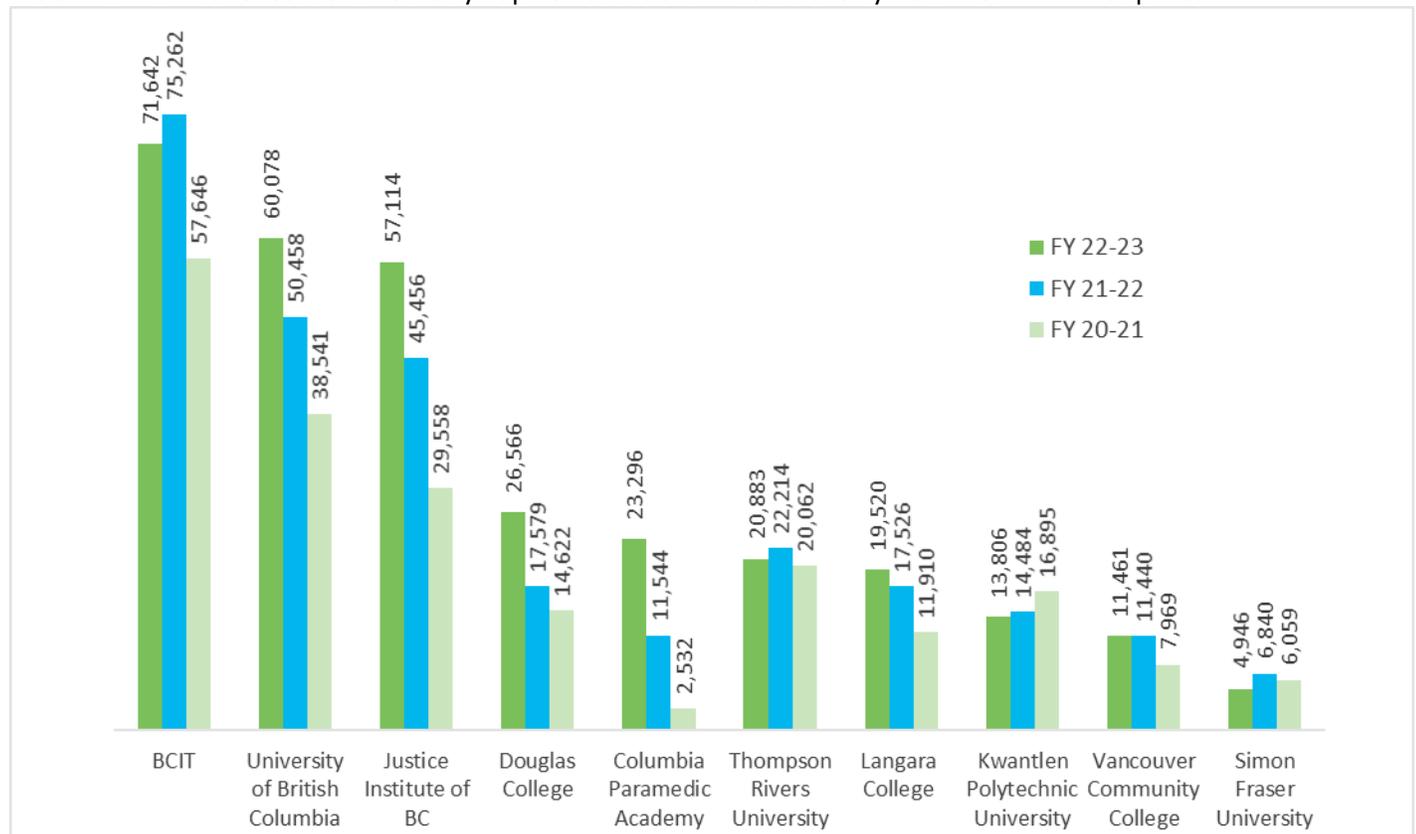


Table 8 details the total number of students for the top five educational institutions by discipline and sub-discipline for each program. The numbers below exclude medical students/residents. Find site specific detail in the applicable program section.

**TABLE 8:** Number of Students by Top 5 Educational Institutions by Program – All Disciplines FY 2022 - 23

Education Institution	BC Cancer	BCCH	BCEHS	BCW	BCMHSUS	BCCDC	PHSA	Grand Total
<b>BCIT</b>	51	228		155	27			461
Nursing		178		137	27			342
Bacc Nursing - BScN/BSN/BN		133		49	27			209
Post-RN Specialty		45		88				133
Technologist/Technician	15	43		13				71
Nuclear Medicine Tech	11	16						27
Sonography Tech		5		13				18
Radiology Tech		8						8
Clinical Genetics Technologist	4	4						8
Perfusionist		4						4
Medical Laboratory Technologist		4						4
Magnetic Resonance Imaging (MRI)								
Technology/Technician		2						2
Therapist	33							33
Radiation Therapist	33							33

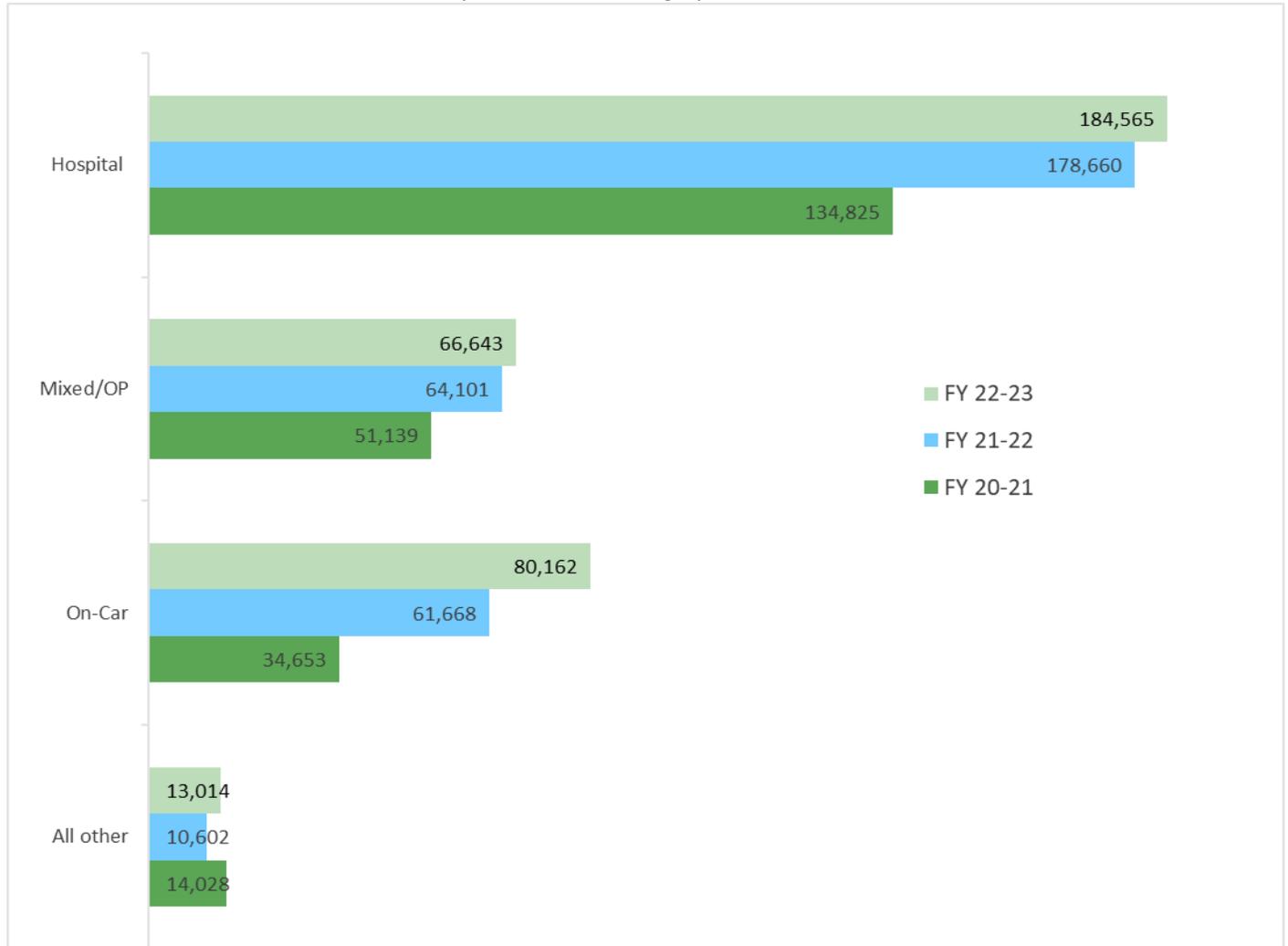
Education Institution Discipline/Sub-discipline	BC Cancer	BCCH	BCEHS	BCW	BCMHSUS	BCCDC	PHSA	Grand Total
Administration	3	6		5				14
Medical Office Assistant	3	6		5				14
Rehabilitation Sciences		1						1
Prosthetist		1						1
<b>Justice Institute of BC</b>			403	31				434
Paramedic			403	31				434
Primary Care Paramedic - on-car			347					347
Advanced Care Paramedic - on-car			56					56
Paramedic-Advanced/Critical Care				31				31
<b>University of British Columbia</b>	30	143		65	43	9	5	295
Nursing	1	56		15	29	1		102
Bacc Nursing - BScN/BSN/BN	1	52		13	28			94
Nurse Practitioner		3		1	1	1		6
Nursing - Masters		1		1				2
Pharmacy	2	39			3			44
Pharmacist	2	39			3			44
Rehabilitation Sciences	3	24		1	4		4	36
Occupational Therapist		15		1	4		4	24
Physiotherapist	2	7						9
Speech & Language								
Pathologist/Communications	1	1						2
Audiologist		1						1
Medicine				33				33
Midwifery				33				33
Food & Nutrition	10	9		3		2		24
Dietitian - Bachelor	10	9		3		2		24
Other Health	6			12		6		24
Master of Science in Medical Genetics	6			12				18
Masters of Public Health						6		6
Dental Medicine	7	7						14
General Practice Residency	3	4						7
Doctor of Dental Medicine	3	1						4
Pediatric dentistry/pedodontics		2						2
Prosthodontics/prosthodontology	1							1
Social Work		6			5			11
Master of Social Work		4			3			7
Bachelor of Social Work		2			2			4
Management		1		1	1		1	4
Policy and Planning		1		1			1	3
Master of Health Administration					1			1
Psychology	1	1			1			3
Counselling Psychology	1				1			2
Psychology (PHD)		1						1
<b>Columbia Paramedic Academy</b>			242					242
Paramedic			242					242
Primary Care Paramedic - on-car			173					173
Advanced Care Paramedic - on-car			69					69
<b>Douglas College</b>		80		4	105		2	191
Nursing		74		4	95			173
Bacc Nursing - BScN/BSN/BN		69		4	40			113

Education Institution Discipline/Sub-discipline	BC Cancer	BCCH	BCEHS	BCW	BCMHSUS	BCCDC	PHSA	Grand Total
Psychiatric Nursing Bacc - BScN/BN/RPN Psych		5			55			60
Other Health					7			7
Community Health and Preventive Medicine					7			7
Therapist		3			3			6
Recreation Therapist Degree		3			3			6
Social Work		2						2
Child and Youth Care Worker		2						2
Health Information Management		1					1	2
Health Information Management Professional/Health Records Administrator		1					1	2
Administration							1	1
Communications							1	1
<b>Grand Total</b>	<b>81</b>	<b>451</b>	<b>645</b>	<b>255</b>	<b>175</b>	<b>9</b>	<b>7</b>	<b>1,623</b>

### Placement setting

PHSA programs provide 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.

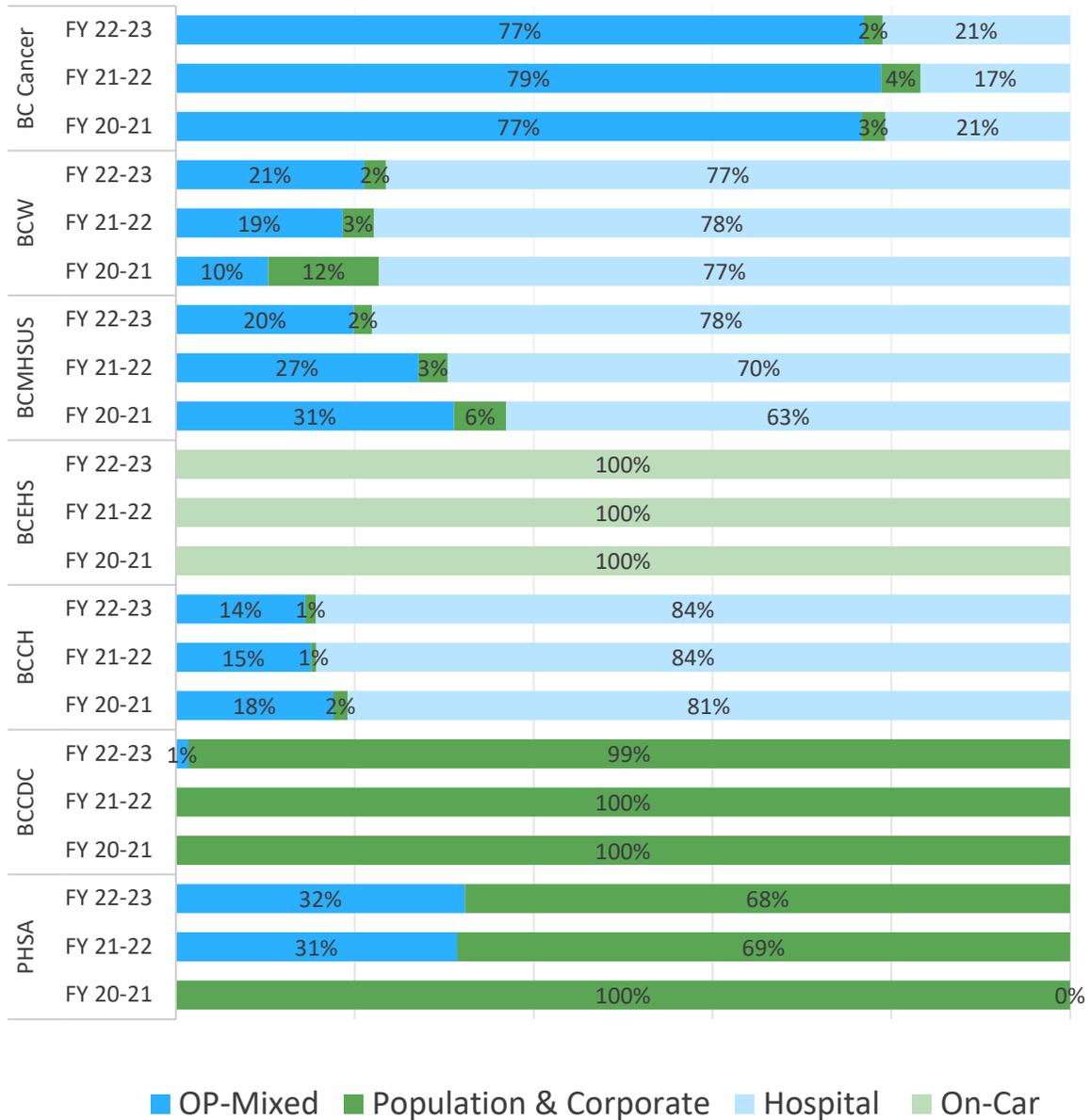
**FIGURE 6:** Distribution of Student Hours by Placement Setting by Fiscal Year



Note: All Other includes Corporate and Population Health

Figure 7 is a further breakdown of practice setting by PHSA program. 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 F) are reported for a sixth fiscal year. Combined results are shown in Table 9 and 10.

Out of the 4,830 respondents from April 1, 2022 – March 31, 2023, 12% or 568 had a placement at a PHSA site. This is on par with FY 2021-22, and there was a 220% increase in the total number of survey respondents compared to FY 2021-22. 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 who have completed the survey. The top three sub-disciplines for new hires with a PHSA placement are Nursing-RN, Medical Lab Assistant, and Paramedics.

As an example of the connection between placements and future employment, two new employees at Red Fish Healing Centre shared their stories of how their experience during their placements shaped their decision to join the team.

<http://www.bcmhsus.ca/about/news-stories/stories/student-practice-education-two-new-employees-share-experiences-gained-during-their-student-placement>

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 five placements.

**TABLE 9: Number of New Hires by Discipline for top 85% - FY 2022 - 23**

Discipline Name	Number of New Hires (with a PHSA Placement)
Nursing - RN	114
Medical Laboratory Assistant	100
Paramedic - Primary Care	82
Other	52
Medical Laboratory Technologist	47
Nursing - RPN	23
Public Health	13
Respiratory Therapist	12
Unit Clerk /Unit Coordinator	12
Physician	11
Medical Office Assistant	10
Social Work	10

**TABLE 10: Number of PHSA Placements by Educational Institution for New Hires - FY 2022 - 23**

Educational Institution	Number of New Hires (with a PHSA Placement)
BCIT	103
Justice Institute of BC	78
University of British Columbia	67
Vancouver Community College	53
Other	46
Stenberg College	36
Douglas College	34
Langara College	27
West Coast College of Health Care	21
Kwantlen Polytechnic University	18
Thompson Rivers University	14
Vancouver Career College	11
University of Victoria	11
Trinity Western University	9
CDI College	9
Simon Fraser University	9
Heartsafe First Aid Training	6

# PROGRAM SPECIFIC SECTIONS



### Placement Activity

In FY 2022-23, BC Cancer provided 37,380 student hours, an increase of 21% from FY 2021-22 (excluding medical learners). The top 3 disciplines in FY 2022-23 by total student hours are Therapist (56%), Nursing (9%) and Technologists (9%). Find a breakdown of student hours and students by site, discipline, sub-discipline and fiscal year in Table 11.

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

Site/Discipline/Sub-discipline	FY 20-21		FY 21-22		FY 22-23	
	Total Student Hours	Total # of Students	Total Student Hours	Total # of Students	Total Student Hours	Total # of Students
BCC-Van	11,546	61	12,061	74	16,634	71
Therapist	5,225	15	4,700	13	7,488	12
Radiation Therapist	5,075	14	4,400	12	6,788	11
Art Therapist	150	1	300	1	700	1
Technologist/Technician	3,060	21	2,530	19	3,249	20
Clinical Genetics Technologist	1,560	4	1,110	3	1,769	5
Nuclear Medicine Tech	1,200	15	1,120	14	880	11
Medical Laboratory Assistant	300	2	300	2	600	4
Nursing	1,385	6	1,954	13	1,174	8
Bacc Nursing - BScN/BSN/BN	612	2	852	7	906	5
Nurse Practitioner	773	4	982	5	268	3
Nursing - Masters			120	1		
Other Health	412	1	731	8	1,604	7
Master of Science in Medical Genetics			144	6	1,204	6
Masters of Public Health	412	1	412	1	400	1
Biomedical Engineer			175	1		
Food & Nutrition	736	9	600	7	480	2
Dietitian - Bachelor			600	7	480	2
Dietitian	736	9				
Administration	720	7	496	4	488	4
Health Unit Coordinator/Nursing Unit Clerk	720	7	496	4	488	4
Pharmacy					1,320	6
Pharmacy Technician					840	4
Pharmacist					480	2
Psychology			300	1	500	1
Counselling Psychology			300	1	500	1
Dental Medicine	8	2	300	8	172	7
General Practice Residency			160	4	120	3
Doctor of Dental Medicine	8	2	140	4	48	3
Prosthodontics/prosthodontology					4	1
Social Work			450	1		
Master of Social Work			450	1		
Rehabilitation Sciences					144	2
Physiotherapist					144	2

Site/Discipline/Sub-discipline	FY 20-21		FY 21-22		FY 22-23	
	Total Student Hours	Total # of Students	Total Student Hours	Total # of Students	Total Student Hours	Total # of Students
Non-Health					16	2
Bachelor of Science					16	2
<b>BCC-Surrey</b>	<b>6,055</b>	<b>19</b>	<b>6,255</b>	<b>18</b>	<b>7,609</b>	<b>22</b>
Therapist	5,303	15	5,675	14	6,113	10
Radiation Therapist	5,303	15	5,675	14	6,113	10
Administration	150	1	80	1	1,096	10
Health Unit Coordinator/Nursing Unit Clerk	150	1			856	7
Medical Office Assistant			80	1	240	3
Social Work	462	1				
Master of Social Work	462	1				
Food & Nutrition	40	1	40	1	240	1
Dietitian - Bachelor			40	1	240	1
Dietitian	40	1				
Pharmacy			160	1	160	1
Pharmacy Technician			160	1	160	1
Psychology			300	1		
Counselling Psychology			300	1		
Other Health	100	1				
Counselling - Other	100	1				
<b>BCC-Vic</b>	<b>4,013</b>	<b>13</b>	<b>4,554</b>	<b>11</b>	<b>4,899</b>	<b>13</b>
Therapist	2,475	4	4,275	7	3,675	6
Radiation Therapist	2,475	4	4,275	7	3,675	6
Nursing	1,038	5			384	1
Bacc Nursing - BScN/BSN/BN	540	3			384	1
Nurse Practitioner	498	2				
Administration	500	4			256	2
Health Unit Coordinator/Nursing Unit Clerk	500	4			256	2
Food & Nutrition			40	1	280	2
Dietitian - Bachelor			40	1	280	2
Rehabilitation Sciences			79	1	144	1
Speech & Language Pathologist/Communications			79	1	144	1
Technologist/Technician			160	2		
Nuclear Medicine Tech			160	2		
Pharmacy					160	1
Pharmacy Technician					160	1
<b>BCC-Abbot</b>	<b>3,085</b>	<b>8</b>	<b>4,549</b>	<b>19</b>	<b>4,267</b>	<b>14</b>
Therapist	2,815	6	3,043	7	1,200	2
Radiation Therapist	2,815	6	3,043	7	1,200	2
Administration	270	2	1,426	11	459	4
Health Unit Coordinator/Nursing Unit Clerk	270	2	1,286	10	384	3
Medical Office Assistant			140	1	75	1
Nursing					1,488	3
Bacc Nursing - BScN/BSN/BN					1,488	3
Food & Nutrition			80	1	960	4

Site/Discipline/Sub-discipline	FY 20-21		FY 21-22		FY 22-23	
	Total Student Hours	Total # of Students	Total Student Hours	Total # of Students	Total Student Hours	Total # of Students
Dietitian - Bachelor					960	4
Dietitian			80	1		
Pharmacy					160	1
Pharmacy Technician					160	1
BCC-Kel	216	2	1,858	6	3,376	11
Therapist			1,238	2	2,438	4
Radiation Therapist			1,238	2	2,438	4
Nursing	104	1	520	3	50	1
Bacc Nursing - BScN/BSN/BN			480	2		
Nursing - Masters	104	1				
Nurse Practitioner			40	1	50	1
Administration			100	1	468	4
Health Unit Coordinator/Nursing Unit Clerk			100	1	378	3
Medical Office Assistant					90	1
Food & Nutrition	112	1			240	1
Dietitian - Bachelor					240	1
Other	112	1				
Pharmacy					180	1
Pharmacy Technician					180	1
BCC-PG	50	1	1,499	11	596	4
Nursing	50	1	370	3	468	3
Bacc Nursing - BScN/BSN/BN					468	3
Nurse Practitioner	50	1	370	3		
Therapist			638	1		
Radiation Therapist			638	1		
Administration			413	6	128	1
Health Unit Coordinator/Nursing Unit Clerk			413	6	128	1
Rehabilitation Sciences			79	1		
Speech & Language Pathologist/Communications			79	1		
<b>Grand Total</b>	<b>24,965</b>	<b>104</b>	<b>30,775</b>	<b>139</b>	<b>37,380</b>	<b>135</b>

### Medical placement activity

The Medical Doctor Undergraduate program (MDUG) had a total of 137 distinct students, representing 183 placements and 2,577 days, at BC Cancer facilities from April 1, 2022 – March 31, 2023. 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 2022-23

Site/Specialty	# of Distinct Students	# of Placements	Total # of Days
BCC-Abbot	6	6	98
Radiation Oncology	6	6	98
BCC-Kel	25	41	677
Internal Medicine	18	25	467

Site/Specialty	# of Distinct Students	# of Placements	Total # of Days
Medical Oncology	3	4	42
Radiation Oncology	10	12	168
<b>BCC-PG</b>	<b>9</b>	<b>11</b>	<b>133</b>
Radiation Oncology	9	11	133
<b>BCC-Surrey</b>	<b>19</b>	<b>20</b>	<b>285</b>
Medical Oncology	3	3	42
Radiation Oncology	16	17	243
<b>BCC-Van</b>	<b>76</b>	<b>95</b>	<b>1,244</b>
Diagnostic Radiology	9	10	119
Internal Medicine	20	22	273
Oncology	22	24	343
Orthopedics	5	5	70
Radiation Oncology	32	34	439
<b>BCC-Vic</b>	<b>10</b>	<b>10</b>	<b>140</b>
Medical Oncology	2	2	28
Radiation Oncology	8	8	112
<b>Grand Total</b>	<b>137</b>	<b>183</b>	<b>2,577</b>

The Post Graduate Medical Education program (PGME) had a total of 263 distinct students, representing 859 placements and 23,605 days, at BC Cancer facilities from April 1, 2022 – March 31, 2023. 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 2022-23**

Site/Specialty	# of Distinct Students	# of Placements	Total # of Days
<b>BCC-Abbot</b>	<b>1</b>	<b>6</b>	<b>182</b>
Geriatric Psychiatry	1	6	182
<b>BCC-Kel</b>	<b>7</b>	<b>7</b>	<b>157</b>
Palliative	3	3	42
Radiation Oncology	4	4	115
<b>BCC-PG</b>	<b>2</b>	<b>2</b>	<b>56</b>
Radiation Oncology	2	2	56
<b>BCC-Surrey</b>	<b>11</b>	<b>11</b>	<b>262</b>
Medical Oncology	10	10	237
Radiation Oncology	1	1	25
<b>BCC-Van</b>	<b>245</b>	<b>807</b>	<b>22,239</b>
Clinical Immunology & Allergy - Adult	2	2	56
Dermatology	13	54	1,602
Diagnostic Radiology	29	103	2,828
General Surgical Oncology	1	1	28
General Survey	14	28	785
Neurology	16	21	576
Neuroradiology	14	37	1,033
Nuclear Medicine	21	37	1,033
ObGyn	19	35	980
Oncology	63	164	4,480
Orthopedics	17	49	1,321
Palliative	21	34	801
Pathology	27	83	2,283

Site/Specialty	# of Distinct Students	# of Placements	Total # of Days
Psychiatry	5	14	457
Radiation Oncology	24	95	2,579
Rheumatology	1	1	28
Urology	15	49	1,369
<b>BCC-Vic</b>	<b>15</b>	<b>26</b>	<b>709</b>
Gynecological Oncology	1	1	28
Hematology	7	7	182
Medical Oncology	3	3	56
Psychiatry	3	8	243
Radiation Oncology	5	7	200
<b>Grand Total</b>	<b>263</b>	<b>859</b>	<b>23,605</b>

### Decline reasons

In FY 2022-23, BC Cancer declined a total of 55 placement requests representing 55 students and 12,225 hours. Top reasons for these declines for all sites are shown in Table 14. The top discipline declined by hours is Nursing placements. See Appendix C for all PHSA declines by discipline, program, and reason for FY 2022-23.

**TABLE 14: # of Students and Hours by Discipline, Site and Reasons for Placement Decline - FY 2022-23**

Discipline/Detailed Decline Reason	Decline Reason Total	Total # of Students	Total # of Student Hrs
<b>Nursing</b>	<b>17</b>	<b>17</b>	<b>4,851</b>
BCC-Abbot	1	1	528
Number of requests exceed available staff or shift rotations	1	1	528
BCC-Kel	4	4	960
No experienced/trained staff to precept > Other priorities assigned to staff (e.g. Training)	4	4	960
BCC-Van	4	4	1,112
No experienced/trained staff to precept > Other priorities assigned to staff (e.g. Training)	1	1	280
No experienced/trained staff to precept > Unfilled position(s) within unit/program	1	1	208
Number of requests exceed available staff or shift rotations	1	1	312
Request not suitable for area requested	1	1	312
BCC-Vic	8	8	2,251
Exceptional circumstances (provide explanation)	2	2	768
No experienced/trained staff to precept > No trained staff to precept	5	5	1,308
Placement request error	1	1	175
<b>Administration</b>	<b>29</b>	<b>29</b>	<b>3,588</b>
BCC-Abbot	8	8	978
No experienced/trained staff to precept > Other priorities assigned to staff (e.g. Training)	3	3	346
No experienced/trained staff to precept > Unfilled position(s) within unit/program	3	3	376
No experienced/trained staff to precept > No trained staff to precept	2	2	256
BCC-Kel	2	2	240
No experienced/trained staff to precept > Other priorities assigned to staff (e.g. Training)	1	1	150
Placement request error	1	1	90
BCC-Surrey	17	17	2,114

Discipline/Detailed Decline Reason	Decline Reason Total	Total # of Students	Total # of Student Hrs
No experienced/trained staff to precept > Unfilled position(s) within unit/program	3	3	346
No experienced/trained staff to precept > No trained staff to precept	11	11	1,384
Number of requests exceed available space, equipment or technology	1	1	128
Number of requests exceed available staff or shift rotations	2	2	256
BCC-Van	1	1	128
Number of requests exceed available space, equipment or technology	1	1	128
BCC-Vic	1	1	128
No Reply from Destination (RC users)	1	1	128
<b>Psychology</b>	<b>6</b>	<b>6</b>	<b>2,876</b>
BCC-Surrey	1	1	576
Number of requests exceed available space, equipment or technology	1	1	576
BCC-Van	5	5	2,300
No experienced/trained staff to precept > No trained staff to precept	1	1	300
Number of requests exceed available space, equipment or technology	4	4	2,000
<b>Social Work</b>	<b>1</b>	<b>1</b>	<b>450</b>
BCC-Kel	1	1	450
No experienced/trained staff to precept > No trained staff to precept	1	1	450
<b>Health Information Management</b>	<b>1</b>	<b>1</b>	<b>300</b>
BCC-Van	1	1	300
No experienced/trained staff to precept > Other priorities assigned to staff (e.g. Training)	1	1	300
<b>Pharmacy</b>	<b>1</b>	<b>1</b>	<b>160</b>
BCC-Surrey	1	1	160
No experienced/trained staff to precept > No trained staff to precept	1	1	160
<b>Grand Total</b>	<b>55</b>	<b>55</b>	<b>12,225</b>

### Preceptor activity

Table 15 displays the number of full time equivalent (FTE) staff needed by discipline to precept students in FY 2022-23. Excluded from this table are medical learners and students in group placements.

**TABLE 15: Preceptored Student Hours and Staff FTE to Support – FY 2022-23**

Discipline	Sub-discipline	Preceptored Student Hours	Staff FTE equivalent to support
Therapist	Art Therapist	700	0.36
	Radiation Therapist	20,213	10.37
Nursing	Bacc Nursing - BScN/BSN/BN	3,246	1.66
	Nurse Practitioner	318	0.16
Technologist/Technician	Clinical Genetics Technologist	1,769	0.91
	Medical Laboratory Assistant	600	0.31
	Nuclear Medicine Tech	880	0.45
Administration	Health Unit Coordinator/Nursing Unit Clerk	2,490	1.28
	Medical Office Assistant	405	0.21
Food & Nutrition	Dietitian - Bachelor	2,200	1.13
Pharmacy	Pharmacist	480	0.25
	Pharmacy Technician	1,500	0.77
Other Health	Master of Science in Medical Genetics	1,204	0.62
	Masters of Public Health	400	0.21

Discipline	Sub-discipline	Preceptored Student Hours	Staff FTE equivalent to support
Psychology	Counselling Psychology	500	0.26
Rehabilitation Sciences	Physiotherapist	144	0.07
	Speech & Language Pathologist/Communications	144	0.07
Dental Medicine	Doctor of Dental Medicine	48	0.02
	General Practice Residency	120	0.06
	Prosthodontics/prosthodontology	4	0.00
Non-Health	Bachelor of Science	16	0.01
<b>Grand Total</b>		<b>37,380</b>	<b>19</b>

## BUILD EFFECTIVE PARTNERSHIPS AND COLLABORATIONS THAT SUPPORT INNOVATION

Table 16 indicates the distribution of student hours by educational institution and sub-discipline by fiscal year. Of the 21 educational institutions with an active placement in FY 2022-23, the top three, BCIT, UBC and CDI College, represent 78% of total student hours at BC Cancer.

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

Education Institution	Sub-discipline	Total Student Hours		
		FY 20-21	FY 21-22	FY 22-23
<b>BCIT</b>		<b>18,728</b>	<b>21,913</b>	<b>22,908</b>
	Radiation Therapist	15,668	19,268	20,213
	Clinical Genetics Technologist	1,560	1,110	1,575
	Nuclear Medicine Tech	1,200	1,280	880
	Medical Office Assistant		80	240
	Bacc Nursing - BScN/BSN/BN	300		
	Biomedical Engineer		175	
<b>University of British Columbia</b>		<b>1,652</b>	<b>3,076</b>	<b>5,156</b>
	Dietitian - Bachelor		680	2,200
	Nurse Practitioner	556	832	
	Master of Science in Medical Genetics		144	1,204
	Bacc Nursing - BScN/BSN/BN	312	312	312
	Dietitian	776	80	
	Counselling Psychology			500
	Pharmacist			480
	Master of Social Work		450	
	Speech & Language Pathologist/Communications		158	144
	General Practice Residency		160	120
	Doctor of Dental Medicine	8	140	48
	Physiotherapist			144
	Nursing - Masters		120	
	Prosthodontics/prosthodontology			4
<b>CDI College</b>				<b>1,160</b>
	Pharmacy Technician			1,160
<b>University of the Fraser Valley</b>		<b>300</b>	<b>150</b>	<b>1,131</b>
	Bacc Nursing - BScN/BSN/BN			1,056
	Health Unit Coordinator/Nursing Unit Clerk	300	150	
	Medical Office Assistant			75
<b>Stenberg College</b>		<b>240</b>	<b>640</b>	<b>1,120</b>

Education Institution	Sub-discipline	Total Student Hours		
		FY 20-21	FY 21-22	FY 22-23
	Health Unit Coordinator/Nursing Unit Clerk	240	480	960
	Pharmacy Technician		160	160
Vancouver Community College		900	300	960
	Medical Laboratory Assistant	300	300	600
	Health Unit Coordinator/Nursing Unit Clerk	600		
	Bacc Nursing - BScN/BSN/BN			360
Sprott Shaw College			256	768
	Health Unit Coordinator/Nursing Unit Clerk		256	768
Vancouver Art Therapy Institute		150	300	700
	Art Therapist	150	300	700
University of Northern British Columbia			410	518
	Bacc Nursing - BScN/BSN/BN			468
	Nurse Practitioner		410	50
Thompson Rivers University				432
	Bacc Nursing - BScN/BSN/BN			432
Queens University				400
	Masters of Public Health			400
Sprott-Shaw College			896	384
	Health Unit Coordinator/Nursing Unit Clerk		896	384
Camosun College/University of Victoria		540		384
	Bacc Nursing - BScN/BSN/BN	540		384
Okanagan College			100	340
	Health Unit Coordinator/Nursing Unit Clerk		100	250
	Medical Office Assistant			90
University of Saskatchewan				240
	Nurse Practitioner			240
College of the Rockies				234
	Bacc Nursing - BScN/BSN/BN			234
University of Manitoba				194
	Clinical Genetics Technologist			194
Selkirk College				180
	Pharmacy Technician			180
College of New Caledonia			143	128
	Health Unit Coordinator/Nursing Unit Clerk		143	128
University of Victoria		619		28
	Nurse Practitioner	515		28
	Nursing - Masters	104		
Kwantlen Polytechnic University			360	16
	Bacc Nursing - BScN/BSN/BN		360	
	Bachelor of Science			16
Ryerson University		112		
	Other	112		
University of Waterloo		462		
	Master of Social Work	462		
Trinity Western University		100		
	Counselling - Other	100		
City University of Seattle			600	
	Counselling Psychology		600	

Education Institution	Sub-discipline	Total Student Hours		
		FY 20-21	FY 21-22	FY 22-23
Simon Fraser University		412	412	
	Masters of Public Health	412	412	
Ashton College			270	
	Health Unit Coordinator/Nursing Unit Clerk		270	
Vancouver Career College			140	
	Medical Office Assistant		140	
Camosun College		500		
	Health Unit Coordinator/Nursing Unit Clerk	500		
Athabasca University		250	150	
	Nurse Practitioner	250	150	
University of British Columbia - Okanagan			660	
	Bacc Nursing - BScN/BSN/BN		660	
<b>Grand Total</b>		<b>24,965</b>	<b>30,775</b>	<b>37,380</b>

# BC CHILDREN'S HOSPITAL (BCCH)



## BUILD STUDENT EDUCATION CAPACITY

### Placement Activity

In FY 2022-23, BC Children's provided 124,248 student hours, a 5% decrease over FY 2021-22 (excluding medical learners). Nursing placements represent 50% of total student hours in FY 2022-23. Find a breakdown of student hours and students by site, discipline, sub-discipline and fiscal year in Table 17.

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

Discipline/Sub-discipline	FY 20-21		FY 21-22		FY 22-23	
	Total Student Hours	Total # of Students	Total Student Hours	Total # of Students	Total Student Hours	Total # of Students
<b>Nursing</b>	50,123	438	61,180	549	62,345	532
Bacc Nursing - BScN/BSN/BN	43,050	375	53,454	477	55,609	472
Post-RN Specialty	3,313	43	3,920	48	3,858	45
Psychiatric Nursing Bacc - BScN/BN/RPN Psych	2,448	10	1,272	5	1,800	5
Nurse Practitioner	1,312	10	1,714	15	1,006	9
Registered Nurse			600	2		
Nursing - Masters			220	2	72	1
<b>Therapist</b>	20,030	78	21,990	86	20,160	82
Respiratory Therapist	18,620	76	20,580	84	19,355	79
Recreation Therapist Degree	560	1	560	1	805	3
Music Therapist	850	1	850	1		
<b>Technologist/Technician</b>	15,404	40	18,351	51	15,107	53
Medical Laboratory Technologist	7,875	5	9,750	10	6,300	4
Sterile Processing Technician	2,396	6	3,188	8	2,385	6
Radiology Tech	3,653	14	1,958	14	1,079	8
Clinical Genetics Technologist	280	1	1,760	5	1,330	4
Nuclear Medicine Tech	800	10	480	6	1,200	16
Sonography Tech			210	1	1,162	5
Perfusionist	240	3	225	2	451	4
Medical Laboratory Assistant			300	2	600	4
Magnetic Resonance Imaging (MRI) Technology/Technician	160	1			600	2
Electroencephalograph Technologist			480	3		
<b>Pharmacy</b>	7,782	28	9,480	54	9,560	48
Pharmacist	7,040	22	8,520	48	8,120	39
Pharmacy Technician	742	6	960	6	1,440	9
<b>Rehabilitation Sciences</b>	5,807	26	3,748	21	5,255	28
Occupational Therapist	3,132	14	1,814	9	3,150	15
Physiotherapist	1,476	7	1,296	7	1,134	7
Rehabilitation Assistant	443	2	480	4	585	3
Speech & Language Pathologist/Communications	540	2	158	1	158	1
Audiologist	216	1			225	1
Prosthetist					3	1
<b>Social Work</b>	3,264	8	7,114	17	5,168	12
Master of Social Work	3,264	8	5,894	13	3,612	8
Child and Youth Care Worker			1,220	4	800	2
Bachelor of Social Work					756	2
<b>Administration</b>	80	1	1,496	13	2,240	22

Discipline/Sub-discipline	FY 20-21		FY 21-22		FY 22-23	
	Total Student Hours	Total # of Students	Total Student Hours	Total # of Students	Total Student Hours	Total # of Students
Health Unit Coordinator/Nursing Unit Clerk			1,052	9	1,580	14
Medical Office Assistant	80	1	384	3	480	6
Master of Library and Information Services					120	1
Library and Information Technology			60	1	60	1
<b>Psychology</b>	<b>1,700</b>	<b>4</b>	<b>2,056</b>	<b>4</b>	<b>1,564</b>	<b>4</b>
Psychology (PHD)	1,400	3	1,256	3	1,564	4
Clinical Psychology			800	1		
Psychology (Masters)	300	1				
<b>Food &amp; Nutrition</b>	<b>1,880</b>	<b>11</b>	<b>1,696</b>	<b>16</b>	<b>1,320</b>	<b>9</b>
Dietitian	1,880	11	1,056	11		
Dietitian - Bachelor			640	5	1,320	9
<b>Other Health</b>	<b>40</b>	<b>1</b>	<b>2,346</b>	<b>7</b>	<b>1,236</b>	<b>3</b>
Masters of Public Health	40	1	1,636	4	1,236	3
Child Life Specialist			360	1		
Biomedical Engineer			350	2		
<b>Dental Medicine</b>			<b>584</b>	<b>57</b>	<b>184</b>	<b>7</b>
Doctor of Dental Medicine			544	56	8	1
General Practice Residency			40	1	160	4
Pediatric dentistry/pedodontics					16	2
<b>Management</b>					<b>70</b>	<b>1</b>
Policy and Planning					70	1
<b>Health Information Management</b>			<b>1,080</b>	<b>18</b>	<b>40</b>	<b>1</b>
Health Information Management			1,080	18		
Health Information Management Professional/Health Records Administrator					40	1
<b>Non-Health</b>			<b>100</b>	<b>1</b>		
Other Non Health Disciplines			100	1		
<b>Paramedic</b>	<b>72</b>	<b>9</b>				
Paramedic-Advanced/Critical Care	72	9				
<b>Grand Total</b>	<b>106,181</b>	<b>644</b>	<b>131,221</b>	<b>894</b>	<b>124,248</b>	<b>802</b>

### Medical placement activity

The Medical Doctor Undergraduate program (MDUG) had a total of 353 distinct students, representing 1,092 placements and 16,147 days at BC Children’s Hospital and Sunny Hill Health Centre facilities from April 1, 2022 – March 31, 2023. 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 2022-23**

Site/Specialty	# of Distinct Students	# of Placements	Total # of Days
<b>BCCH</b>	<b>353</b>	<b>1,091</b>	<b>16,119</b>
Anesthesiology	185	194	2,527
Cardiology	37	52	738
Emergency	10	14	273
Endocrinology	3	5	84
Gastroenterology	2	2	49
Infectious Disease	1	1	28

Site/Specialty	# of Distinct Students	# of Placements	Total # of Days
Medical Biochemistry	21	27	399
Neurology - Pediatric	25	33	495
Neurosurgery	5	6	84
Ophthalmology	191	195	1,413
Orthopedic Surgery	3	3	56
Otolaryngology	12	16	210
Pathology	4	5	105
Pediatrics	154	267	4,396
Plastic Surgery	19	21	252
Psychiatry	130	250	5,010
SunnyHill	1	1	28
Developmental Pediatrics	1	1	28
<b>Grand Total</b>	<b>353</b>	<b>1,092</b>	<b>16,147</b>

The Post Graduate Medical Education program (PGME) had a total of 629 distinct students, representing 2,035 placements and 53,539 days, arriving at BC Children’s Hospital and Sunny Hill Health Centre facilities from April 1, 2022 – March 31, 2023. 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 2022-23**

Site/Specialty	# of Distinct Students	# of Placements	Total # of Days
<b>BCCH</b>	<b>628</b>	<b>1,990</b>	<b>52,291</b>
Anesthesiology	50	83	2,268
Cardiac Surgery	2	9	255
Cardiology	32	45	1,256
Critical Care	60	81	2,407
Dermatology	3	3	84
Diagnostic Radiology	20	36	974
Emergency	198	241	5,661
Endocrinology	30	62	1,725
Family Medicine	8	9	129
Gastroenterology	20	22	609
Infectious Disease	16	26	699
Medical Biochemistry	13	22	603
Medical Genetics	10	13	308
Medical Oncology	2	2	56
Neurology - Pediatric	49	106	2,425
Neuropathology	4	6	167
Neuroradiology	2	2	55
Neurosurgery	2	5	137
Nuclear Medicine	21	36	1,005
ObGyn	35	46	1,146
Ophthalmology	26	71	1,813
Orthopedic Surgery	13	34	934
Otolaryngology	13	61	1,699
Pathology	1	1	28
Pediatrics	218	695	17,244
Physical Medicine & Rehabilitation	4	10	269
Plastic Surgery	6	14	358

Site/Specialty	# of Distinct Students	# of Placements	Total # of Days
Psychiatry	66	219	7,127
Rheumatology	19	27	766
Urology	3	3	84
SunnyHill	23	45	1,248
Developmental Pediatrics	15	30	831
Pediatrics	5	6	162
Physical Medicine & Rehabilitation	3	9	255
<b>Grand Total</b>	<b>629</b>	<b>2,035</b>	<b>53,539</b>

### Decline reasons

In FY 2022-23, BCCH declined a total of 88 placement requests representing 88 students and 21,186 hours. Table 20 indicates the top reasons for these declines for all disciplines. The top discipline declined is nursing placements. See Appendix B for all PHSA declines by discipline, program and reason for FY 2022-23.

**TABLE 20: # of Students and Hours by Discipline, Site & Reasons for Placement Decline - FY 2022-23**

Discipline/Detailed Decline Reason	Decline Reason Total	Total # of Students	Total # of Student Hrs
<b>Nursing</b>	<b>64</b>	<b>64</b>	<b>16,172</b>
BCCH	59	59	15,044
Exceptional circumstances (provide explanation)	5	5	1,496
Individual student not suitable for area requested	1	1	392
No experienced/trained staff to precept > Other priorities assigned to staff	3	3	483
No experienced/trained staff to precept > Unfilled position(s) within unit/program	4	4	465
No experienced/trained staff to precept > No trained staff to precept	2	2	273
Number of requests exceed available space, equipment or technology	1	1	312
Number of requests exceed available staff or shift rotations	30	30	8,111
Placement request error	7	7	2,640
Request not suitable for area requested	6	6	872
SunnyHill	5	5	1,128
Number of requests exceed available staff or shift rotations	5	5	1,128
<b>Psychology</b>	<b>6</b>	<b>6</b>	<b>1,630</b>
BCCH	6	6	1,630
Placement request error	1	1	30
Request not suitable for area requested	5	5	1,600
<b>Administration</b>	<b>12</b>	<b>12</b>	<b>1,520</b>
BCCH	12	12	1,520
No experienced/trained staff to precept > No trained staff to precept	11	11	1,392
Number of requests exceed available staff or shift rotations	1	1	128
<b>Social Work</b>	<b>3</b>	<b>3</b>	<b>1,134</b>
BCCH	3	3	1,134
Number of requests exceed available staff or shift rotations	3	3	1,134
<b>Pharmacy</b>	<b>2</b>	<b>2</b>	<b>380</b>
BCCH	2	2	380
Number of requests exceed available space, equipment or technology	1	1	180
Number of requests exceed available staff or shift rotations	1	1	200
<b>Other Health</b>	<b>1</b>	<b>1</b>	<b>350</b>
BCCH	1	1	350
No Reply from Destination (RC users)	1	1	350
<b>Grand Total</b>	<b>88</b>	<b>88</b>	<b>21,186</b>

## Preceptor activity

Table 21 displays the number of full time equivalent (FTE) staff needed by discipline to precept students in FY 2022-23. Excluded from this table are medical learners and students in group placements.

**TABLE 21: Preceptored Student Hours and Staff FTE to Support – FY 2022-23**

Discipline	Sub-discipline	Preceptored Student Hours	Staff FTE equivalent to support
Nursing	Bacc Nursing - BScN/BSN/BN	19,780	10.14
	Nurse Practitioner	1,006	0.52
	Nursing - Masters	72	0.04
	Post-RN Specialty	2,420	1.24
	Psychiatric Nursing Bacc - BScN/BN/RPN Psych	1,800	0.92
Technologist/Technician	Clinical Genetics Technologist	1,330	0.68
	Magnetic Resonance Imaging (MRI) Technology/Technician	600	0.31
	Medical Laboratory Assistant	600	0.31
	Medical Laboratory Technologist	6,300	3.23
	Nuclear Medicine Tech	1,200	0.62
	Perfusionist	451	0.23
	Radiology Tech	1,079	0.55
	Sonography Tech	1,162	0.60
Pharmacy	Pharmacist	8,120	4.16
	Pharmacy Technician	1,440	0.74
Rehabilitation Sciences	Audiologist	225	0.12
	Occupational Therapist	3,150	1.62
	Physiotherapist	1,134	0.58
	Prosthetist	3	0.00
	Rehabilitation Assistant	585	0.30
	Speech & Language Pathologist/Communications	158	0.08
Social Work	Bachelor of Social Work	756	0.39
	Child and Youth Care Worker	800	0.41
	Master of Social Work	3,612	1.85
Administration	Health Unit Coordinator/Nursing Unit Clerk	1,580	0.81
	Library and Information Technology	60	0.03
	Master of Library and Information Services	120	0.06
	Medical Office Assistant	480	0.25
Psychology	Psychology (PHD)	1,564	0.80
Food & Nutrition	Dietitian - Bachelor	1,320	0.68
Other Health	Masters of Public Health	1,236	0.63
Therapist	Recreation Therapist Degree	805	0.41
Dental Medicine	Doctor of Dental Medicine	8	0.00
	General Practice Residency	160	0.08
	Pediatric dentistry/pedodontics	16	0.01
Management	Policy and Planning	70	0.04
<b>Grand Total</b>		<b>65,202</b>	<b>33</b>

## BUILD EFFECTIVE PARTNERSHIPS AND COLLABORATIONS THAT SUPPORT INNOVATION

Table 22 indicates the distribution of student hours by educational institution and sub-discipline by fiscal year. Of the 20 educational institutions with an active placement in FY 2022-23, the top three, BCIT, UBC, and Thompson Rivers University, represent 60% of all student hours at BC Children’s.

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

Education Institution	Sub-discipline	Total Student Hours		
		FY 20-21	FY 21-22	FY 22-23
<b>BCIT</b>		<b>23,169</b>	<b>30,141</b>	<b>29,998</b>
	Bacc Nursing - BScN/BSN/BN	6,768	10,940	13,536
	Medical Laboratory Technologist	7,875	9,750	6,300
	Post-RN Specialty	3,313	3,920	3,858
	Radiology Tech	3,653	1,926	1,079
	Clinical Genetics Technologist	280	1,760	1,330
	Nuclear Medicine Tech	800	480	1,200
	Sonography Tech		210	1,162
	Perfusionist	240	225	451
	Magnetic Resonance Imaging (MRI) Technology/Technician	160		600
	Medical Office Assistant	80		480
	Electroencephalograph Technologist		480	
	Biomedical Engineer		350	
	Other Non Health Disciplines		100	
	Prosthetist			3
<b>University of British Columbia</b>		<b>24,956</b>	<b>28,990</b>	<b>24,629</b>
	Bacc Nursing - BScN/BSN/BN	7,632	11,984	7,200
	Pharmacist	7,040	8,320	8,120
	Occupational Therapist	3,132	1,814	3,150
	Master of Social Work	1,688	2,700	1,800
	Physiotherapist	1,476	1,296	1,134
	Dietitian	1,880	1,056	
	Dietitian - Bachelor		640	1,320
	Psychology (PHD)	1,000	16	14
	Speech & Language Pathologist/Communications	540	158	158
	Nurse Practitioner	312	202	306
	Bachelor of Social Work			756
	Doctor of Dental Medicine		544	8
	Audiologist	216		225
	Nursing - Masters		220	72
	General Practice Residency		40	160
	Master of Library and Information Services			120
	Policy and Planning			70
	Masters of Public Health	40		
	Pediatric dentistry/pedodontics			16
<b>Thompson Rivers University</b>		<b>18,620</b>	<b>21,180</b>	<b>19,355</b>
	Respiratory Therapist	18,620	20,580	19,355
	Registered Nurse		600	
<b>Douglas College</b>		<b>10,782</b>	<b>9,769</b>	<b>12,346</b>
	Bacc Nursing - BScN/BSN/BN	9,142	7,049	8,901

Education Institution	Sub-discipline	Total Student Hours		
		FY 20-21	FY 21-22	FY 22-23
	Psychiatric Nursing Bacc - BScN/BN/RPN Psych	1,080	1,080	1,800
	Recreation Therapist Degree	560	560	805
	Health Information Management		1,080	
	Child and Youth Care Worker			800
	Health Information Management Professional/Health Records Administrator			40
<b>Langara College</b>		<b>6,942</b>	<b>8,520</b>	<b>11,888</b>
	Bacc Nursing - BScN/BSN/BN	6,942	8,520	11,828
	Library and Information Technology			60
<b>Kwantlen Polytechnic University</b>		<b>7,482</b>	<b>6,971</b>	<b>7,209</b>
	Bacc Nursing - BScN/BSN/BN	6,114	6,779	7,209
	Psychiatric Nursing Bacc - BScN/BN/RPN Psych	1,368	192	
<b>Vancouver Community College</b>		<b>5,195</b>	<b>6,714</b>	<b>6,262</b>
	Sterile Processing Technician	2,396	3,188	2,385
	Bacc Nursing - BScN/BSN/BN	2,352	2,646	2,448
	Medical Laboratory Assistant		300	600
	Health Unit Coordinator/Nursing Unit Clerk		420	284
	Pharmacy Technician	222	160	320
	Rehabilitation Assistant	225		225
<b>Trinity Western University</b>		<b>3,240</b>	<b>3,456</b>	<b>3,960</b>
	Bacc Nursing - BScN/BSN/BN	3,240	3,456	3,960
<b>Simon Fraser University</b>		<b>300</b>	<b>2,476</b>	<b>2,386</b>
	Masters of Public Health		1,236	1,236
	Psychology (PHD)		1,240	1,150
	Psychology (Masters)	300		
<b>Stenberg College</b>		<b>520</b>	<b>760</b>	<b>1,464</b>
	Pharmacy Technician	520	640	1,120
	Health Unit Coordinator/Nursing Unit Clerk		120	344
<b>University of Victoria</b>		<b>800</b>	<b>812</b>	<b>925</b>
	Nurse Practitioner	400	812	75
	Psychology (PHD)	400		400
	Master of Social Work			450
<b>University of British Columbia - Okanagan</b>		<b>1,380</b>	<b>690</b>	<b>900</b>
	Master of Social Work	900	450	900
	Bacc Nursing - BScN/BSN/BN	480	240	
<b>University of the Fraser Valley</b>			<b>2,726</b>	<b>528</b>
	Bacc Nursing - BScN/BSN/BN		1,056	528
	Child and Youth Care Worker		1,220	
	Master of Social Work		450	
<b>Sprott-Shaw College</b>			<b>896</b>	<b>512</b>
	Health Unit Coordinator/Nursing Unit Clerk		512	512
	Medical Office Assistant		384	
<b>Renison University College</b>			<b>924</b>	<b>462</b>
	Master of Social Work		924	462
<b>Sprott Shaw College</b>				<b>440</b>
	Health Unit Coordinator/Nursing Unit Clerk			440
<b>University of Northern British Columbia</b>			<b>400</b>	<b>375</b>
	Nurse Practitioner		400	375
<b>Okanagan College</b>			<b>360</b>	<b>360</b>

Education Institution	Sub-discipline	Total Student Hours		
		FY 20-21	FY 21-22	FY 22-23
	Rehabilitation Assistant		360	360
Athabasca University		380		150
	Bacc Nursing - BScN/BSN/BN	380		
	Nurse Practitioner			150
University of Alberta				100
	Nurse Practitioner			100
Capilano University		1,068	850	
	Music Therapist	850	850	
	Rehabilitation Assistant	218		
Lakehead University			400	
	Masters of Public Health		400	
University of Windsor			1,220	
	Clinical Psychology		800	
	Master of Social Work		420	
University of Toronto		600	500	
	Nurse Practitioner	600	300	
	Pharmacist		200	
Queens University			400	
	Bacc Nursing - BScN/BSN/BN		400	
Justice Institute of BC		72		
	Paramedic-Advanced/Critical Care	72		
Camosun College/University of Victoria			384	
	Bacc Nursing - BScN/BSN/BN		384	
McMaster University			360	
	Child Life Specialist		360	
College of the North Atlantic			120	
	Rehabilitation Assistant		120	
Wilfrid Laurier University		338	950	
	Master of Social Work	338	950	
CDI College			160	
	Pharmacy Technician		160	
York University		338		
	Master of Social Work	338		
Langara College			60	
	Library and Information Technology		60	
Camosun College			32	
	Radiology Tech		32	
<b>Grand Total</b>		<b>106,181</b>	<b>131,221</b>	<b>124,248</b>

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

## BUILD STUDENT EDUCATION CAPACITY

### Placement Activity

In FY 2022-23, BCW provided 50,668 student hours, an increase of 10% from FY 2021-22 (excluding medical learners). Nursing placements represent 57% of total student hours in FY 2022-23. Find a breakdown of student hours and students by discipline and sub-discipline and fiscal year in Table 23.

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

Discipline/Sub-discipline	FY 20-21		FY 21-22		FY 22-23	
	Total Student Hours	Total # of Students	Total Student Hours	Total # of Students	Total Student Hours	Total # of Students
<b>Nursing</b>	24,080	200	33,775	279	29,045	239
Bacc Nursing - BScN/BSN/BN	13,685	104	22,018	168	19,205	147
Post-RN Specialty	9,963	94	11,409	108	9,414	88
Nurse Practitioner			308	2	336	3
Psychiatric Nursing Bacc - BScN/BN/RPN Psych	360	1				
Nursing - Masters	72	1	40	1	90	1
<b>Medicine</b>			1,520	12	9,748	33
Midwifery			1,520	12	9,748	33
<b>Other Health</b>	2,472	6	4,824	15	6,880	13
Master of Science in Medical Genetics			3,972	12	6,480	12
Masters of Public Health	2,472	6	852	3	400	1
<b>Technologist/Technician</b>	1,881	11	2,240	12	2,310	13
Sonography Tech	1,881	11	2,240	12	2,310	13
<b>Administration</b>	680	8	2,144	23	904	9
Medical Office Assistant	480	6	1,040	13	400	5
Health Unit Coordinator/Nursing Unit Clerk	200	2	1,020	9	420	3
Medical Transcriptionist			84	1	84	1
<b>Food &amp; Nutrition</b>	160	1	440	2	560	3
Dietitian - Bachelor			440	2	560	3
Dietitian	160	1				
<b>Therapist</b>					336	12
Massage Therapist					336	12
<b>Paramedic</b>	192	24	120	15	248	31
Paramedic-Advanced/Critical Care	192	24	120	15	248	31
<b>Health Information Management</b>					220	1
Health Information Management Professional/Health Records Administrator					220	1
<b>Rehabilitation Sciences</b>			369	2	188	1
Occupational Therapist			369	2	188	1
<b>Pharmacy</b>					160	1
Pharmacy Technician					160	1
<b>Management</b>					70	1
Policy and Planning					70	1
<b>Social Work</b>	450	1	450	1		
Master of Social Work	450	1	450	1		

Discipline/Sub-discipline	FY 20-21		FY 21-22		FY 22-23	
	Total Student Hours	Total # of Students	Total Student Hours	Total # of Students	Total Student Hours	Total # of Students
Other			73	1		
Health Information Management			73	1		
<b>Grand Total</b>	<b>29,915</b>	<b>251</b>	<b>45,954</b>	<b>362</b>	<b>50,668</b>	<b>357</b>

### Medical placement activity

The Medical Doctor Undergraduate program (MDUG) had a total of 225 distinct students, representing 326 placements and 5,130 days, arriving at BC Women's Hospital facilities from April 1, 2022 – March 31, 2023. 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 2022-23**

Site/Specialty	# of Distinct Students	# of Placements	Total # of Days
BCW	225	326	5,130
Anesthesiology	188	198	2,583
Family Medicine	20	26	553
Medical Genetics	5	6	70
Neonatal Perinatal Medicine	1	1	28
ObGyn	41	76	1,532
Pediatrics	1	9	245
Psychiatry	9	10	119
<b>Grand Total</b>	<b>225</b>	<b>326</b>	<b>5,130</b>

The Post Graduate Medical Education program (PGME) had a total of 260 distinct students, representing 598 placements and 15,342 days, arriving at BC Women's Hospital facilities from April 1, 2022 – March 31, 2023. 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 2022-23**

Site/Specialty	# of Distinct Students	# of Placements	Total # of Days
BCW	260	598	15,342
Anesthesiology	34	60	1,679
Child & Adolescent Psychiatry	1	2	28
Diagnostic Radiology	7	7	192
Emergency Medicine - Pediatrics	38	40	1,054
Family Medicine	5	6	115
General Internal Medicine	2	6	168
Geriatric Medicine	4	5	140
Gynecological Reproductive Endocrinology & Infertili	3	3	56
Hematology	4	6	102
Infectious Disease	15	23	464
Medical Genetics	8	23	593
Neonatal Perinatal Medicine	35	66	1,544
ObGyn	108	307	8,246
Pediatrics	20	29	596
Psychiatry	10	15	365
<b>Grand Total</b>	<b>260</b>	<b>598</b>	<b>15,342</b>

## Decline reasons

In FY 2022-23, BCW declined a total of 40 placement requests representing 40 students and 8,647 hours. See top reasons for these declines in Table 26 and the top discipline declined is Nursing. See Appendix C for all PHSA declines by discipline, program, and reason for FY 2022-23.

**TABLE 26: # of Students and Hours by Discipline, Site and Reasons for Placement Decline - FY 2022-23**

Discipline/Detailed Decline Reason	Decline Reason Total	Total # of Students	Total # of Student Hrs
<b>Nursing</b>	<b>26</b>	<b>26</b>	<b>6,399</b>
BCW	26	26	6,399
Closure of beds, unit or program during placement period	2	2	487
Exceptional circumstances (provide explanation)	4	4	1,464
No experienced/trained staff to precept > No trained staff to precept	1	1	312
Number of requests exceed available staff or shift rotations	10	10	1,916
Placement request error	4	4	984
Request not suitable for area requested	5	5	1,236
<b>Administration</b>	<b>12</b>	<b>12</b>	<b>1,398</b>
BCW	12	12	1,398
No experienced/trained staff to precept > Other priorities assigned to staff (e.g. Training)	3	3	368
No experienced/trained staff to precept > No trained staff to precept	6	6	662
Request not suitable for area requested	3	3	368
<b>Psychology</b>	<b>1</b>	<b>1</b>	<b>500</b>
BCW	1	1	500
No experienced/trained staff to precept > No trained staff to precept	1	1	500
<b>Other Health</b>	<b>1</b>	<b>1</b>	<b>350</b>
BCW	1	1	350
Placement request error	1	1	350
<b>Grand Total</b>	<b>40</b>	<b>40</b>	<b>8,647</b>

## Preceptor activity

Table 27 displays the number of full time equivalent (FTE) staff needed by discipline to precept students in FY 2022-23. Excluded from this table are medical learners and students in group placements.

**TABLE 27: Preceptored Student Hours and Staff FTE to Support – FY 2022-23**

Discipline	Sub-discipline	Preceptored Student Hours	Staff FTE equivalent to support
Nursing	Bacc Nursing - BScN/BSN/BN	9,372	4.81
	Nurse Practitioner	336	0.17
	Nursing - Masters	90	0.05
	Post-RN Specialty	5,612	2.88
Medicine (Midwifery)	Midwifery	9,748	5.00
Other Health	Master of Science in Medical Genetics	6,480	3.32
	Masters of Public Health	400	0.21
Technologist/Technician	Sonography Tech	2,310	1.18

Discipline	Sub-discipline	Preceptored Student Hours	Staff FTE equivalent to support
Administration	Health Unit Coordinator/Nursing Unit Clerk	420	0.22
	Medical Office Assistant	400	0.21
	Medical Transcriptionist	84	0.04
Food & Nutrition	Dietitian - Bachelor	560	0.29
Therapist	Massage Therapist	336	0.17
Health Information Management	Health Information Management Professional/Health Records Administrator	220	0.11
Rehabilitation Sciences	Occupational Therapist	188	0.10
Pharmacy	Pharmacy Technician	160	0.08
Management	Policy and Planning	70	0.04
<b>Grand Total</b>		<b>36,786</b>	<b>19</b>

## BUILD EFFECTIVE PARTNERSHIPS AND COLLABORATIONS THAT SUPPORT INNOVATION

Table 28 indicates the distribution of student hours by educational institution and sub-discipline by fiscal year. Of the 20 educational institutions with an active placement in FY 2022-23, the top three, UBC, BCIT, and Langara, represent 84% of all student hours at BC Women's.

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

Education Institution	Sub-discipline	Total Student Hours		
		FY 20-21	FY 21-22	FY 22-23
<b>University of British Columbia</b>		<b>2,320</b>	<b>9,887</b>	<b>19,480</b>
	Midwifery		1,520	9,748
	Master of Science in Medical Genetics		3,972	6,480
	Bacc Nursing - BScN/BSN/BN	2,160	3,056	2,136
	Dietitian - Bachelor		440	560
	Occupational Therapist		369	188
	Master of Social Work		450	
	Nurse Practitioner			208
	Dietitian	160		
	Nursing - Masters		40	90
	Policy and Planning			70
	Masters of Public Health		40	
<b>BCIT</b>		<b>15,252</b>	<b>22,158</b>	<b>16,660</b>
	Post-RN Specialty	9,963	11,409	9,414
	Bacc Nursing - BScN/BSN/BN	2,928	7,469	4,536
	Sonography Tech	1,881	2,240	2,310
	Medical Office Assistant	480	1,040	400
<b>Langara College</b>		<b>2,808</b>	<b>6,126</b>	<b>6,192</b>
	Bacc Nursing - BScN/BSN/BN	2,808	6,126	6,192
<b>Vancouver Community College</b>		<b>1,424</b>	<b>3,024</b>	<b>2,244</b>
	Bacc Nursing - BScN/BSN/BN	1,224	2,520	2,160
	Health Unit Coordinator/Nursing Unit Clerk	200	420	
	Medical Transcriptionist		84	84
<b>Douglas College</b>				<b>1,568</b>
	Bacc Nursing - BScN/BSN/BN			1,568

Education Institution	Sub-discipline	Total Student Hours		
		FY 20-21	FY 21-22	FY 22-23
Kwantlen Polytechnic University		4,085	2,847	1,073
	Bacc Nursing - BScN/BSN/BN	3,725	2,847	1,073
	Psychiatric Nursing Bacc - BScN/BN/RPN Psych	360		
Lakehead University				400
	Masters of Public Health			400
Queens University				400
	Bacc Nursing - BScN/BSN/BN			400
College of the Rockies				384
	Bacc Nursing - BScN/BSN/BN			384
Trinity Western University		360		360
	Bacc Nursing - BScN/BSN/BN	360		360
West Coast College of MASSAGE Therapy				336
	Massage Therapist			336
Justice Institute of BC		192	120	248
	Paramedic-Advanced/Critical Care	192	120	248
University of British Columbia - Okanagan		1,002		240
	Bacc Nursing - BScN/BSN/BN	480		240
	Master of Social Work	450		
	Nursing - Masters	72		
Eastern College				220
	Health Information Management Professional/Health Records Administrator			220
Sprott-Shaw College				180
	Health Unit Coordinator/Nursing Unit Clerk			180
CDI College				160
	Pharmacy Technician			160
Camosun College/University of Victoria				156
	Bacc Nursing - BScN/BSN/BN			156
University of Victoria			88	128
	Nurse Practitioner		88	128
Selkirk College				120
	Health Unit Coordinator/Nursing Unit Clerk			120
Stenberg College			600	120
	Health Unit Coordinator/Nursing Unit Clerk		600	120
Simon Fraser University		2,472	412	
	Masters of Public Health	2,472	412	
University of Northern British Columbia			220	
	Nurse Practitioner		220	
University of Alberta			400	
	Masters of Public Health		400	
Saskatchewan Polytechnic			73	
	Health Information Management		73	
<b>Grand Total</b>		<b>29,915</b>	<b>45,954</b>	<b>50,668</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 2022-23, BCMHSUS provided 42,455 student hours, a 9% increase over FY 2021-22 (excluding medical learners). Nursing placements represent 75% of total student hours in FY 2022-23. Find a breakdown of student hours and students by site, discipline, sub-discipline and fiscal year 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 are reflected accordingly below.

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

Site/Discipline/Sub-discipline	FY 20-21		FY 21-22		FY 22-23	
	Total Student Hours	Total # of Students	Total Student Hours	Total # of Students	Total Student Hours	Total # of Students
<b>RFHC</b>			12,169	114	27,315	216
Nursing			10,566	110	24,425	200
Bacc Nursing - BScN/BSN/BN			6,396	74	10,704	124
Psychiatric Nursing Bacc - BScN/BN/RPN						
Psych			3,786	32	9,675	61
Psychiatric Nursing - Diploma			384	4	3,600	12
Registered Nurse					300	1
Nurse Practitioner					146	2
Social Work			450	1	1,160	3
Master of Social Work			450	1	900	2
Social Services Worker					260	1
Other Health					960	7
Community Health and Preventive Medicine					960	7
Pharmacy					440	4
Pharmacist					440	4
Rehabilitation Sciences					225	1
Occupational Therapist					225	1
Therapist					105	1
Recreation Therapist Degree					105	1
Psychology			1,025	2		
Psychology (Masters)			1,025	2		
Administration			128	1		
Health Unit Coordinator/Nursing Unit Clerk			128	1		
<b>Forensic</b>	9,590	60	12,557	75	8,532	46
Nursing	6,023	48	5,917	51	3,634	30
Bacc Nursing - BScN/BSN/BN	3,627	33	5,128	47	2,760	23
Psychiatric Nursing Bacc - BScN/BN/RPN						
Psych	1,676	13	789	4	874	7
Psychiatric Nursing - Diploma	720	2				

Site/Discipline/Sub-discipline	FY 20-21		FY 21-22		FY 22-23	
	Total Student Hours	Total # of Students	Total Student Hours	Total # of Students	Total Student Hours	Total # of Students
Psychology	715	3	2,244	6	2,084	5
Psychology (PHD)	415	2	1,480	4	884	3
Counselling Psychology	300	1	764	2	500	1
Psychology (Masters)					700	1
Social Work	2,037	5	1,528	4	1,626	4
Bachelor of Social Work	2,037	5	1,190	3	1,176	3
Master of Social Work			338	1	450	1
Rehabilitation Sciences	675	3	1,388	6	908	5
Occupational Therapist	225	1	975	4	713	3
Rehabilitation Assistant	450	2	413	2	195	2
Therapist	140	1	840	3	280	2
Recreation Therapist Degree	140	1	840	3	280	2
Pharmacy			640	5		
Pharmacist			640	5		
<b>CHS</b>	<b>4,316</b>	<b>24</b>	<b>4,496</b>	<b>31</b>	<b>4,078</b>	<b>16</b>
Nursing	3,338	21	2,940	22	3,516	14
Bacc Nursing - BScN/BSN/BN	2,563	17	2,536	14	2,956	11
Licensed/Registered Practical Nurse	65	1	404	8	560	3
Psychiatric Nursing - Diploma	360	1				
Nurse Practitioner	350	2				
Psychology	400	1			300	1
Psychology (PHD)	400	1				
Counselling Psychology					300	1
Social Work	450	1	420	1	262	1
Bachelor of Social Work			420	1	262	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		
Other Health			240	1		
Community Health and Preventive Medicine			240	1		
<b>MentHthAdc</b>	<b>2,868</b>	<b>8</b>	<b>1,945</b>	<b>5</b>	<b>2,530</b>	<b>5</b>
Therapist	140	1			850	1
Music Therapist					850	1
Recreation Therapist Degree	140	1				
Social Work			675	1	450	1
Master of Social Work			675	1	450	1
Management					450	1
Master of Health Administration					450	1
Other Health	1,920	4	1,270	4	420	1
Masters of Public Health	1,920	4	1,270	4	420	1
Nursing	808	3			360	1
Psychiatric Nursing Bacc - BScN/BN/RPN						
Psych	720	2			360	1
Bacc Nursing - BScN/BSN/BN	88	1				
<b>BbyCtrMH</b>	<b>16,120</b>	<b>110</b>	<b>7,743</b>	<b>37</b>		

Site/Discipline/Sub-discipline	FY 20-21		FY 21-22		FY 22-23	
	Total Student Hours	Total # of Students	Total Student Hours	Total # of Students	Total Student Hours	Total # of Students
Nursing	12,676	100	5,625	30		
Bacc Nursing - BScN/BSN/BN	6,328	75	1,890	17		
Psychiatric Nursing Bacc - BScN/BN/RPN						
Psych	4,140	16	2,349	9		
Psychiatric Nursing - Diploma	1,620	5	1,290	3		
Registered Nurse	588	4	96	1		
Social Work	1,054	3	525	1		
Bachelor of Social Work	798	2	525	1		
Master of Social Work	256	1				
Rehabilitation Sciences	551	3				
Occupational Therapist	551	3				
Other Health			200	1		
Community Health and Preventive Medicine			200	1		
Therapist	940	2	850	1		
Music Therapist	940	2	850	1		
Pharmacy	200	1	168	2		
Pharmacist	200	1	168	2		
Psychology	700	1	375	2		
Psychology (Masters)	700	1	375	2		
<b>Grand Total</b>	<b>32,894</b>	<b>202</b>	<b>38,909</b>	<b>262</b>	<b>42,455</b>	<b>283</b>

### Medical placement activity

The Medical Doctor Undergraduate program (MDUG) had a total of 9 distinct students, representing 9 placements and 119 days, arriving at BC Mental Health and Substance Use facilities from April 1, 2022 – March 31, 2023. 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 2022-21**

Site/Specialty	# of Distinct Students	# of Placements	Total # of Days
Forensic	9	9	119
Forensic Psychiatry	9	9	119
<b>Grand Total</b>	<b>9</b>	<b>9</b>	<b>119</b>

The Post Graduate Medical Education program (PGME) had a total of 9 distinct students, representing 17 placements and 566 days, arriving at BC Mental Health and Substance Use facilities from April 1, 2022 – March 31, 2023. 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 2022-23**

Site/Specialty	# of Distinct Students	# of Placements	Total # of Days
Forensic	9	17	566
Forensic Psychiatry	3	3	83
Psychiatry	7	14	483
<b>Grand Total</b>	<b>9</b>	<b>17</b>	<b>566</b>

## Decline reasons

In FY 2022-23, BCMHSUS facilities declined a total of 45 placement requests representing 52 students and 12,518 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 C for all PHSA declines by discipline, program, and reason for FY 2022-23.

**TABLE 32: # of Students and Hours by Discipline, Site and Reasons for Placement Decline - FY 2022-23**

Discipline/Detailed Decline Reason	Decline Reason Total	Total # of Students	Total # of Student Hrs
<b>Nursing</b>	<b>28</b>	<b>35</b>	<b>6,801</b>
Forensic	14	14	4,257
No experienced/trained staff to precept > No trained staff to precept	10	10	3,069
No experienced/trained staff to precept > Unfilled position(s) within unit/program	3	3	828
Number of requests exceed available staff or shift rotations	1	1	360
RFHC	4	11	1,548
Number of requests exceed available staff or shift rotations	3	8	1,296
Clinical service(s) has changed	1	3	252
CHS	9	9	788
Number of requests exceed available staff or shift rotations	7	7	452
Number of requests exceed available space, equipment or technology	2	2	336
MentHthAdc	1	1	208
No experienced/trained staff to precept > Other priorities assigned to staff (e.g. Training)	1	1	208
<b>Social Work</b>	<b>9</b>	<b>9</b>	<b>3,930</b>
RFHC	3	3	1,660
Number of requests exceed available staff or shift rotations	2	2	1,400
Number of requests exceed available space, equipment or technology	1	1	260
Forensic	4	4	1,470
No experienced/trained staff to precept > No trained staff to precept	4	4	1,470
MentHthAdc	2	2	800
Number of requests exceed available space, equipment or technology	1	1	450
Request not suitable for area requested	1	1	350
<b>Psychology</b>	<b>5</b>	<b>5</b>	<b>1,392</b>
Forensic	4	4	1,092
No experienced/trained staff to precept > No trained staff to precept	3	3	900
Placement request error	1	1	192
MentHthAdc	1	1	300
No experienced/trained staff to precept > No trained staff to precept	1	1	300
<b>Other Health</b>	<b>2</b>	<b>2</b>	<b>275</b>
CHS	1	1	240
No experienced/trained staff to precept > No trained staff to precept	1	1	240
MentHthAdc	1	1	35
Number of requests exceed available staff or shift rotations	1	1	35
<b>Administration</b>	<b>1</b>	<b>1</b>	<b>120</b>
CHS	1	1	120
Request not suitable for area requested	1	1	120
<b>Grand Total</b>	<b>45</b>	<b>52</b>	<b>12,518</b>

## Preceptor activity

Table 33 indicates the number of full time equivalent (FTE) staff needed by discipline to precept students in FY 2022-23. Excluded from this table are medical learners and students in group placements.

**TABLE 33: Preceptored Student Hours and Staff FTE to Support – FY 2022-23**

Discipline	Sub-discipline	Preceptored Student Hours	Staff FTE equivalent to support
Nursing	Bacc Nursing - BScN/BSN/BN	2,956	1.52
	Licensed/Registered Practical Nurse	560	0.29
	Nurse Practitioner	146	0.07
	Psychiatric Nursing - Diploma	2,880	1.48
	Psychiatric Nursing Bacc - BScN/BN/RPN Psych	7,696	3.95
	Registered Nurse	300	0.15
Social Work	Bachelor of Social Work	1,438	0.74
	Master of Social Work	1,800	0.92
	Social Services Worker	260	0.13
Psychology	Counselling Psychology	800	0.41
	Psychology (Masters)	700	0.36
	Psychology (PHD)	884	0.45
Other Health	Community Health and Preventive Medicine	960	0.49
	Masters of Public Health	420	0.22
Therapist	Music Therapist	850	0.44
	Recreation Therapist Degree	385	0.20
Rehabilitation Sciences	Occupational Therapist	938	0.48
	Rehabilitation Assistant	195	0.10
Management	Master of Health Administration	450	0.23
Pharmacy	Pharmacist	440	0.23
<b>Grand Total</b>		<b>25,058</b>	<b>13</b>

## BUILD EFFECTIVE PARTNERSHIPS AND COLLABORATIONS THAT SUPPORT INNOVATION

Table 34 indicates the distribution of student hours by educational institution and sub-discipline by fiscal year. Of the 22 educational institutions with an active placement in FY 2022-23, the top three, Douglas College, UBC, and Kwantlen Polytechnic University, represent 60% of all student hours at BCMHSUS.

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

Education Institution	Sub-discipline	Total Student Hours		
		FY 20-21	FY 21-22	FY 22-23
Douglas College		3,840	7,810	12,262
	Psychiatric Nursing Bacc - BScN/BN/RPN Psych	3,560	4,730	7,137
	Bacc Nursing - BScN/BSN/BN		1,890	3,780
	Recreation Therapist Degree	280	840	385
	Community Health and Preventive Medicine			960
	Bachelor of Social Work		350	
University of British Columbia		7,334	7,613	7,692
	Bacc Nursing - BScN/BSN/BN	5,424	5,728	3,360
	Occupational Therapist	776	975	938
	Bachelor of Social Work	1,134		756

Education Institution	Sub-discipline	Total Student Hours		
		FY 20-21	FY 21-22	FY 22-23
	Master of Social Work			1,350
	Pharmacist		808	240
	Counselling Psychology		64	500
	Master of Health Administration			450
	Nurse Practitioner			98
	Masters of Public Health		38	
<b>Kwantlen Polytechnic University</b>		<b>5,328</b>	<b>4,306</b>	<b>5,500</b>
	Psychiatric Nursing Bacc - BScN/BN/RPN Psych	2,976	2,194	3,772
	Bacc Nursing - BScN/BSN/BN	2,160	2,016	1,728
	Registered Nurse	192	96	
<b>Stenberg College</b>		<b>2,700</b>	<b>1,674</b>	<b>3,600</b>
	Psychiatric Nursing - Diploma	2,700	1,674	3,600
<b>BCIT</b>			<b>450</b>	<b>2,076</b>
	Bacc Nursing - BScN/BSN/BN		450	2,076
<b>Camosun College/University of Victoria</b>			<b>846</b>	<b>1,536</b>
	Bacc Nursing - BScN/BSN/BN		846	1,536
<b>Langara College</b>		<b>2,160</b>	<b>2,880</b>	<b>1,440</b>
	Bacc Nursing - BScN/BSN/BN	2,160	2,880	1,440
<b>Vancouver Community College</b>		<b>450</b>	<b>863</b>	<b>1,275</b>
	Bacc Nursing - BScN/BSN/BN		450	1,080
	Rehabilitation Assistant	450	413	195
<b>Thompson Rivers University</b>		<b>1,442</b>	<b>1,034</b>	<b>1,096</b>
	Bacc Nursing - BScN/BSN/BN	1,046	614	796
	Registered Nurse	396		300
	Bachelor of Social Work		420	
<b>University of Northern British Columbia</b>		<b>2,131</b>	<b>624</b>	<b>886</b>
	Bacc Nursing - BScN/BSN/BN	1,690	624	624
	Bachelor of Social Work	441		262
<b>Capilano University</b>		<b>940</b>	<b>850</b>	<b>850</b>
	Music Therapist	940	850	850
<b>University of British Columbia - Okanagan</b>		<b>256</b>	<b>450</b>	<b>834</b>
	Master of Social Work	256	450	450
	Psychology (PHD)			384
<b>Adler University</b>		<b>700</b>	<b>2,100</b>	<b>700</b>
	Psychology (Masters)	700	1,400	700
	Counselling Psychology		700	
<b>Simon Fraser University</b>		<b>415</b>	<b>1,892</b>	<b>500</b>
	Psychology (PHD)	415	1,480	500
	Masters of Public Health		412	
<b>Brock University</b>				<b>420</b>
	Masters of Public Health			420
<b>Nicola Valley Institute of Technology</b>		<b>420</b>	<b>420</b>	<b>420</b>
	Bachelor of Social Work	420	420	420
<b>Sprott-Shaw College</b>			<b>1,224</b>	<b>360</b>
	Health Unit Coordinator/Nursing Unit Clerk		896	
	Licensed/Registered Practical Nurse			360
	Community Health and Preventive Medicine		200	
	Medical Office Assistant		128	

Education Institution	Sub-discipline	Total Student Hours		
		FY 20-21	FY 21-22	FY 22-23
City University of Seattle				300
	Counselling Psychology			300
CDI College				260
	Social Services Worker			260
Sprott Shaw College		128		200
	Licensed/Registered Practical Nurse			200
	Health Unit Coordinator/Nursing Unit Clerk	128		
University of Toronto		1,320	420	200
	Masters of Public Health	1,120	420	
	Pharmacist	200		200
University of Saskatchewan				48
	Nurse Practitioner			48
Athabasca University			380	
	Bacc Nursing - BScN/BSN/BN		380	
Wilfrid Laurier University			675	
	Master of Social Work		675	
University of the Fraser Valley		840	420	
	Bachelor of Social Work	840	420	
Vancouver Island University			240	
	Community Health and Preventive Medicine		240	
Renison University College			338	
	Master of Social Work		338	
Okanagan College		126	296	
	Licensed/Registered Practical Nurse		224	
	Bacc Nursing - BScN/BSN/BN	126	72	
University of Victoria		1,200		
	Master of Social Work	450		
	Psychology (PHD)	400		
	Nurse Practitioner	350		
College of New Caledonia		65	180	
	Licensed/Registered Practical Nurse	65	180	
Queens University			400	
	Masters of Public Health		400	
University of Calgary		300	525	
	Bachelor of Social Work		525	
	Counselling Psychology	300		
University of Alberta		800		
	Masters of Public Health	800		
<b>Grand Total</b>		<b>32,894</b>	<b>38,909</b>	<b>42,455</b>

# BC CENTRE FOR DISEASE CONTROL (BCCDC)



BC Centre for Disease Control  
Provincial Health Services Authority

## BUILD STUDENT EDUCATION CAPACITY

### Placement Activity

In FY 2022-23, BCCDC provided 7,246 student hours, an increase of 97% over FY 2021-22 (excluding medical learners). Find a breakdown of student hours and students by site, discipline, sub-discipline and fiscal year in Table 35.

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

Discipline/Sub-discipline	FY 20-21		FY 21-22		FY 22-23	
	Total Student Hours	Total # of Students	Total Student Hours	Total # of Students	Total Student Hours	Total # of Students
Other Health	4,898	12	2,634	12	6,486	15
Masters of Public Health	4,898	12	2,634	12	6,486	15
Management			840	2	420	1
Master of Health Administration			840	2	420	1
Food & Nutrition	160	1	200	2	240	2
Dietitian	160	1	200	2		
Dietitian - Bachelor					240	2
Nursing					100	1
Nurse Practitioner					100	1
<b>Grand Total</b>	<b>5,058</b>	<b>13</b>	<b>3,674</b>	<b>16</b>	<b>7,246</b>	<b>19</b>

### Medical placement activity

The Medical Doctor Undergraduate program (MDUG) did not have any learners at BCCDC facilities from April 1, 2022 – March 31, 2023, so the corresponding Table with breakdown by specialty and site has been omitted.

The Post Graduate Medical Education program (PGME) had a total of 32 distinct students, representing 57 placements and 1,385 days, arriving at BCCDC facilities from April 1, 2022 – March 31, 2023. See Table 36 for a breakdown by specialty and site.

**TABLE 36: PGME Total # of Distinct Students, Placements and Requested Days by Site and Specialty – FY 2022-23**

Site/Specialty	# of Distinct Students	# of Placements	Total # of Days
BCCDC	32	57	1,385
Adolescent Medicine	1	1	28
Emergency	2	2	56
Pathology	14	20	454
Population and Public Health	14	27	739
Respirology	6	7	108
<b>Grand Total</b>	<b>32</b>	<b>57</b>	<b>1,385</b>

## Decline reasons

In FY 2022-23, BCCDC declined a total of 8 placement requests representing 8 students and 3,512 hours. Top reasons for these declines for all sites are in Table 37. See Appendix C for all PHSA declines by discipline, program and reason for FY 2022-23.

**TABLE 37: # of Students and hours by Discipline, Site and Reasons for Placement Decline - FY 2022-23**

Discipline/Detailed Decline Reason	Decline Reason Total	Total # of Students	Total # of Student Hrs
<b>Other Health</b>	<b>6</b>	<b>6</b>	<b>2,780</b>
Placement request error	3	3	1,680
Number of requests exceed available space, equipment or technology	2	2	700
No Reply from Destination (RC users)	1	1	400
<b>Management</b>	<b>1</b>	<b>1</b>	<b>420</b>
Placement request error	1	1	420
<b>Nursing</b>	<b>1</b>	<b>1</b>	<b>312</b>
Number of requests exceed available staff or shift rotations	1	1	312
<b>Grand Total</b>	<b>8</b>	<b>8</b>	<b>3,512</b>

## Preceptor activity

Table 38 displays the number of full time equivalent (FTE) staff needed by discipline to precept students in FY 2022-23. Excluded from this table are medical learners and students in group placements.

**TABLE 38: Preceptored Student Hours and Staff FTE to Support – FY 2022-23**

Discipline	Sub-discipline	Preceptored Student Hours	Staff FTE equivalent to support
Other Health	Masters of Public Health	6,486	3.33
Management	Master of Health Administration	420	0.22
Food & Nutrition	Dietitian - Bachelor	240	0.12
Nursing	Nurse Practitioner	100	0.05
<b>Grand Total</b>		<b>7,246</b>	<b>4</b>

## BUILD EFFECTIVE PARTNERSHIPS AND COLLABORATIONS THAT SUPPORT INNOVATION

Table 39 indicates 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 2022-23, the top three, UBC, McMaster University and SFU, represent 88% of all student hours at BCCDC.

**TABLE 39:** Distribution of Student Placements by Educational Institution and Sub-discipline by Fiscal Year

Education Institution	Sub-discipline	Total Student Hours		
		FY 20-21	FY 21-22	FY 22-23
University of British Columbia		2,210	853	3,040
	Masters of Public Health	2,050	653	2,700
	Dietitian	160	200	
	Dietitian - Bachelor			240
	Nurse Practitioner			100
McMaster University		400	560	1,680
	Masters of Public Health	400	560	1,680
Simon Fraser University		2,048	824	1,648
	Masters of Public Health	2,048	824	1,648
University of Victoria				450
	Masters of Public Health			450
University of Guelph			840	420
	Master of Health Administration		840	420
University of Waterloo				8
	Masters of Public Health			8
University of Western Ontario		400		
	Masters of Public Health	400		
McGill University			38	
	Masters of Public Health		38	
University of Toronto			560	
	Masters of Public Health		560	
<b>Grand Total</b>		<b>5,058</b>	<b>3,674</b>	<b>7,246</b>

# BC EMERGENCY HEALTH SERVICES (BCEHS)

## BUILD STUDENT EDUCATION CAPACITY

### Placement Activity

In FY 2022-23, BCEHS provided 80,162 student hours, an increase of 30% over FY 2021-22. 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. Find a breakdown of student hours and students by region, course and fiscal year in Table 40.

**TABLE 40:** Total # of Students and Hours by Course and Fiscal Year

Discipline/Sub-discipline/Region	FY 20-21		FY 21-22		FY 22-23	
	Total Student Hours	Total # of Students	Total Student Hours	Total # of Students	Total Student Hours	Total # of Students
Primary Care Paramedic - on-car	27,913	226	55,476	403	58,024	520
LwrMainIdR			28,980	256	30,634	271
InteriorR			12,672	124	14,305	114
VanIslandR			11,916	123	11,009	107
NorthernR			1,908	24	2,076	28
BCEHS – all regions	27,913	226				
Advanced Care Paramedic - on-car	6,739	18	6,192	36	22,138	125
LwrMainIdR			3,564	27	13,906	65
VanIslandR			1,416	15	4,488	25
InteriorR			1,212	19	3,744	35
BCEHS - all regions	6,739	18				
<b>Grand Total</b>	<b>34,653</b>	<b>244</b>	<b>61,668</b>	<b>439</b>	<b>80,162</b>	<b>645</b>

### Preceptor activity

Table 41 displays the number of full time equivalent (FTE) staff needed by discipline to precept students in FY 2022-23. Excluded from this table are medical learners and students in group placements.

**TABLE 41:** Preceptored Student Hours and Staff FTE to Support – FY 2022-23

Discipline	Sub-discipline	Preceptored Student Hours	Staff FTE equivalent to support
Paramedic	Advanced Care Paramedic - on-car	22,138	11.35
	Primary Care Paramedic - on-car	58,024	29.76
<b>Grand Total</b>		<b>80,162</b>	<b>41</b>

## BUILD EFFECTIVE PARTNERSHIPS AND COLLABORATIONS THAT SUPPORT INNOVATION

Table 42 indicates the distribution of student hours by educational institution and sub-discipline by fiscal year.

**TABLE 42:** Distribution of Student Placements by Educational Institution and Sub-discipline by Fiscal Year

Education Institution	Sub-discipline	Total Student Hours		
		FY 20-21	FY 21-22	FY 22-23
Justice Institute of BC		29,444	45,336	56,866
	Primary Care Paramedic - on-car	22,705	39,144	41,890
	Advanced Care Paramedic - on-car	6,739	6,192	14,976
Columbia Paramedic Academy		2,532	11,544	23,296
	Primary Care Paramedic - on-car	2,532	11,544	16,134
	Advanced Care Paramedic - on-car			7,162
AET Paramedic Academy		1,660	4,092	
	Primary Care Paramedic - on-car	1,660	4,092	
Heartsafe EMS		1,011	684	
	Primary Care Paramedic - on-car	1,011	684	
Holland College		5	12	
	Primary Care Paramedic - on-car	5	12	
<b>Grand Total</b>		<b>34,653</b>	<b>61,668</b>	<b>80,162</b>

# PHSA LAB, PHARMACY & MEDICAL IMAGING

## BUILD STUDENT EDUCATION CAPACITY

### Placement Activity

For the third 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 2022-23, PHSA's Lab, Pharmacy and Medical Imaging provided 29,776 student hours. Find student hours and students by service, sub-discipline, site and fiscal year in Table 43.

**TABLE 43:** Total # of Students and Hours by Service, Sub-discipline, Site and Fiscal Year

Program/Sub-discipline/Site	FY 20-21		FY 21-22		FY 22-23	
	Total Student Hours	Total # of Students	Total Student Hours	Total # of Students	Total Student Hours	Total # of Students
<b>Pharmacy</b>	<b>7,982</b>	<b>29</b>	<b>10,448</b>	<b>62</b>	<b>12,140</b>	<b>63</b>
Pharmacist	7,240	23	9,328	55	9,040	45
BCCH	7,040	22	8,520	48	8,120	39
BCC-Van					480	2
RFHC					440	4
BbyCtrMH	200	1	168	2		
Forensic			640	5		
Pharmacy Technician	742	6	1,120	7	3,100	18
BCCH	742	6	960	6	1,440	9
BCC-Van					840	4
BCC-Kel					180	1
BCC-Abbot					160	1
BCC-Vic					160	1
BCW					160	1
BCC-Surrey			160	1	160	1
<b>Lab Services</b>	<b>10,015</b>	<b>12</b>	<b>13,220</b>	<b>22</b>	<b>10,405</b>	<b>20</b>
Medical Laboratory Technologist	7,875	5	9,750	10	6,300	4
BCCH	7,875	5	9,750	10	6,300	4
Clinical Genetics Technologist	1,840	5	2,870	8	2,905	8
BCC-Van	1,560	4	1,110	3	1,575	4
BCCH	280	1	1,760	5	1,330	4
Medical Laboratory Assistant	300	2	600	4	1,200	8
BCC-Van	300	2	300	2	600	4
BCCH			300	2	600	4
<b>Medical Imaging</b>	<b>7,694</b>	<b>51</b>	<b>6,168</b>	<b>49</b>	<b>7,231</b>	<b>55</b>
Sonography Tech	1,881	11	2,450	13	3,472	18
BCW	1,881	11	2,240	12	2,310	13
BCCH			210	1	1,162	5
Radiology Tech	3,653	14	1,958	14	1,079	8
BCCH	3,653	14	1,958	14	1,079	8
Nuclear Medicine Tech	2,000	25	1,760	22	2,080	27
BCCH	800	10	480	6	1,200	16
BCC-Van	1,200	15	1,120	14	880	11
BCC-Vic			160	2		
MRI Tech/Technician	160	1			600	2
BCCH	160	1			600	2
<b>Grand Total</b>	<b>25,691</b>	<b>92</b>	<b>29,836</b>	<b>133</b>	<b>29,776</b>	<b>138</b>

### Medical placement activity

The Medical Doctor Undergraduate program (MDUG) had a total of 13 distinct students, representing 15 placements and 224 days, arriving at PHSA facilities from April 1, 2022 – March 31, 2023. See Table 44 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 44: MDUG Total # of Distinct Students, Placements and Requested Days by Site and Specialty - FY 2022-23**

Site/Specialty	# of Distinct Students	# of Placements	Total # of Days
BCCCH	4	5	105
Pathology	4	5	105
BCC-Van	9	10	119
Diagnostic Radiology	9	10	119
<b>Grand Total</b>	<b>13</b>	<b>15</b>	<b>224</b>

The Post Graduate Medical Education program (PGME) had a total of 78 distinct students, representing 250 placements and 6,759 days, arriving at PHSA facilities from April 1, 2022 – March 31, 2023. 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: PGME Total # of Distinct Students, Placements and Requested Days by Site and Specialty - FY 2022-23**

Site/Specialty	# of Distinct Students	# of Placements	Total # of Days
BCCDC	14	20	454
Pathology	14	20	454
BCCCH	21	37	1,002
Diagnostic Radiology	20	36	974
Pathology	1	1	28
BCC-Van	56	186	5,111
Diagnostic Radiology	29	103	2,828
Pathology	27	83	2,283
BCW	7	7	192
Diagnostic Radiology	7	7	192
<b>Grand Total</b>	<b>78</b>	<b>250</b>	<b>6,759</b>

## PHSA Lab, Pharmacy & Medical Imaging

### Decline reasons

In FY 2022-23, LPMI declined a total of 3 placement requests representing 3 students and 540 hours. Table 46 indicates the top reasons for these declines; the top sub-discipline declined is Pharmacy Technicians. See Appendix C for all PHSA declines by discipline, program, and reason for FY 2022-23.

**TABLE 46: # of Students and hours by Discipline, Site and Reasons Placement Decline - FY 2022-23**

Sub-discipline/Site/Detailed Decline Reason	Decline Reason Total	Total # of Students	Total # of Student Hrs
<b>Pharmacy Technician</b>	<b>2</b>	<b>2</b>	<b>340</b>
BCCH	1	1	180
Number of requests exceed available space, equipment or technology	1	1	180
BCC-Surrey	1	1	160
No experienced/trained staff to precept > No trained staff to precept	1	1	160
<b>Pharmacist</b>	<b>1</b>	<b>1</b>	<b>200</b>
BCCH	1	1	200
Number of requests exceed available staff or shift rotations	1	1	200
<b>Grand Total</b>	<b>3</b>	<b>3</b>	<b>540</b>

### Preceptor activity

Table 47 indicates the number of full time equivalent (FTE) staff needed by discipline to precept students in FY 2022-23. Excluded from this table are medical learners and students in group placements.

**TABLE 47: Preceptored Student Hours and Staff FTE to Support – FY 2022-23**

Discipline	Sub-discipline	Preceptored Student Hours	Staff FTE equivalent to support
Technologist/Technician	Clinical Genetics Technologist	2,905	1.49
	Magnetic Resonance Imaging (MRI) Technology/Technician	600	0.31
	Medical Laboratory Assistant	1,200	0.62
	Medical Laboratory Technologist	6,300	3.23
	Nuclear Medicine Tech	2,080	1.07
	Radiology Tech	1,079	0.55
	Sonography Tech	3,472	1.78
Pharmacy	Pharmacist	9,040	4.64
	Pharmacy Technician	3,100	1.59
Administration	Medical Transcriptionist	84	0.04
<b>Grand Total</b>		<b>29,860</b>	<b>15</b>

## BUILD EFFECTIVE PARTNERSHIPS AND COLLABORATIONS THAT SUPPORT INNOVATION

Table 48 indicates 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 2022-23, the top three, BCIT, UBC, and VCC, represent 90% of all student hours.

**TABLE 48:** Distribution of Student Placements by Educational Institution and Sub-discipline by Fiscal Year

Education Institution	Sub-discipline	Total Student Hours		
		FY 20-21	FY 21-22	FY 22-23
<b>BCIT</b>		<b>17,409</b>	<b>18,756</b>	<b>16,436</b>
	Medical Laboratory Technologist	7,875	9,750	6,300
	Sonography Tech	1,881	2,450	3,472
	Clinical Genetics Technologist	1,840	2,870	2,905
	Radiology Tech	3,653	1,926	1,079
	Nuclear Medicine Tech	2,000	1,760	2,080
	Magnetic Resonance Imaging (MRI) Technology/Technician	160		600
<b>University of British Columbia</b>		<b>7,040</b>	<b>9,128</b>	<b>8,840</b>
	Pharmacist	7,040	9,128	8,840
<b>Vancouver Community College</b>		<b>522</b>	<b>844</b>	<b>1,604</b>
	Medical Laboratory Assistant	300	600	1,200
	Pharmacy Technician	222	160	320
	Medical Transcriptionist		84	84
<b>CDI College</b>			<b>160</b>	<b>1,320</b>
	Pharmacy Technician		160	1,320
<b>Stenberg College</b>		<b>520</b>	<b>800</b>	<b>1,280</b>
	Pharmacy Technician	520	800	1,280
<b>University of Toronto</b>		<b>200</b>	<b>200</b>	<b>200</b>
	Pharmacist	200	200	200
<b>Selkirk College</b>				<b>180</b>
	Pharmacy Technician			180
<b>Camosun College</b>			<b>32</b>	
	Radiology Tech		32	
<b>Grand Total</b>		<b>25,691</b>	<b>29,920</b>	<b>29,860</b>

# APPENDICES SECTION



# APPENDIX A – FRAMEWORK FOR PHSA STUDENT EDUCATION METRICS

## 1. Indicator: Build Practice Education Capacity

This category includes measures that demonstrate level of commitment to students, preceptors, and post-secondary institutions as part of mandate to provide excellence in education and training.

- a. # of Students, Placement Hours by Discipline & Sub-Discipline
- b. # of Medical Students and Residents (Under-grads and Post-grads) by Specialty
- c. Estimated FTE of Staff Time in Direct Supervision of Students
- d. # of Confirmed Placement Requests by Month
- e. # of Confirmed and Declined Placements by Educational Institution for Priority Professions
- f. # of Declines by Reason (Most Frequent)
- g. # of Staff Participants in Preceptor/Educator Training
- h. # of Preceptors in HSPnet With and Without a Placement

## 2. Indicator: Build Effective Partnerships and Collaborations that Support Innovation

This category includes quantitative measures of PHSA's relationships with academic partners.

- a. # of Affiliation Agreements by Region and Sector
- b. Top % of Education Institutions by Student Hours
- c. Distribution of Student Hours by Practice Education Setting

## 3. Monitor the Quality of the Clinical Learning Environment and *Results*

This category includes measures for monitoring quality and outcomes.

- a. # of hires at PHSA with a previous placement
- b. # of Placements by Educational Institution for New Hires

## APPENDIX B – 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 declined. 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 (FY)	<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> <p>April 1, 2022 – March 31, 2023</p>

## APPENDIX C – NUMBER OF STUDENTS AND HOURS BY DISCIPLINE, DECLINE CATEGORY AND SITE FY 2022-23

Discipline/Decline Reason Category/Site	Decline Reason Total	Total # of Students	Total # of Student Hrs
<b>Nursing</b>	<b>137</b>	<b>144</b>	<b>34,633</b>
CAPACITY / SCHEDULING	100	105	24,042
BCCH	40	40	9,644
Forensic	14	14	4,257
BCW	13	13	2,715
BCC-Vic	5	5	1,308
RFHC	3	8	1,296
SunnyHill	5	5	1,128
BCC-Kel	4	4	960
BCC-Van	3	3	800
CHS	9	9	788
BCC-Abbot	1	1	528
BCCDC	1	1	312
MentHthAdc	1	1	208
xxBbyCtrMH	1	1	98
OTHER REASONS	11	11	3,728
BCCH	5	5	1,496
BCW	4	4	1,464
BCC-Vic	2	2	768
REQUEST SUITABILITY	26	28	6,863
BCCH	14	14	3,904
BCW	9	9	2,220
BCC-Van	1	1	312
RFHC	1	3	252
BCC-Vic	1	1	175
<b>Psychology</b>	<b>19</b>	<b>19</b>	<b>7,098</b>
CAPACITY / SCHEDULING	11	11	4,576
BCC-Van	5	5	2,300
Forensic	3	3	900
BCC-Surrey	1	1	576
BCW	1	1	500
MentHthAdc	1	1	300
REQUEST SUITABILITY	8	8	2,522
BCCH	6	6	1,630
xxBbyCtrMH	1	1	700
Forensic	1	1	192
<b>Administration</b>	<b>54</b>	<b>54</b>	<b>6,626</b>
CAPACITY / SCHEDULING	48	48	5,920
BCC-Surrey	17	17	2,114
BCCH	12	12	1,520
BCW	9	9	1,030
BCC-Abbot	8	8	978
BCC-Kel	1	1	150
BCC-Van	1	1	128

Discipline/Decline Reason Category/Site	Decline Reason Total	Total # of Students	Total # of Student Hrs
OTHER REASONS	1	1	128
BCC-Vic	1	1	128
REQUEST SUITABILITY	5	5	578
BCW	3	3	368
CHS	1	1	120
BCC-Kel	1	1	90
<b>Social Work</b>	<b>14</b>	<b>14</b>	<b>5,964</b>
CAPACITY / SCHEDULING	13	13	5,614
RFHC	3	3	1,660
Forensic	4	4	1,470
BCCH	3	3	1,134
ProvProg	1	1	450
BCC-Kel	1	1	450
MentHthAdc	1	1	450
REQUEST SUITABILITY	1	1	350
MentHthAdc	1	1	350
<b>Other Health</b>	<b>10</b>	<b>10</b>	<b>3,755</b>
CAPACITY / SCHEDULING	4	4	975
BCCDC	2	2	700
CHS	1	1	240
MentHthAdc	1	1	35
OTHER REASONS	2	2	750
BCCDC	1	1	400
BCCH	1	1	350
REQUEST SUITABILITY	4	4	2,030
BCCDC	3	3	1,680
BCW	1	1	350
<b>Pharmacy</b>	<b>3</b>	<b>3</b>	<b>540</b>
CAPACITY / SCHEDULING	3	3	540
BCCH	2	2	380
BCC-Surrey	1	1	160
<b>Management</b>	<b>1</b>	<b>1</b>	<b>420</b>
REQUEST SUITABILITY	1	1	420
BCCDC	1	1	420
<b>Health Information Management</b>	<b>1</b>	<b>1</b>	<b>300</b>
CAPACITY / SCHEDULING	1	1	300
BCC-Van	1	1	300
<b>Grand Total</b>	<b>239</b>	<b>246</b>	<b>59,336</b>

## APPENDIX D – EDUCATION INSTITUTIONS WITH AFFILIATION AGREEMENTS IN PLACE FY 2022-23

### Public

Athabasca University  
 BC Institute of Technology  
 Brock University  
 Camosun College  
 Capilano University  
 College of New Caledonia  
 College of the North Atlantic  
 College of the Rockies  
 Dalhousie University  
 Department of National Defence  
 Douglas College  
 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  
 Okanagan College  
 Queens University  
 Renison University College  
 Royal Roads University  
 Ryerson University  
 Saskatchewan Polytechnic  
 Selkirk College  
 Simon Fraser University  
 Thompson Rivers University - Open Learning  
 UBC - Health Sciences  
 UBC - School of Nursing  
 UBC - Social Work  
 UBC - University of British Columbia  
 University of Abertay, Scotland  
 University of Alberta  
 University of Barcelona

University of Calgary  
 University of Guelph  
 University of Lethbridge  
 University of Manitoba  
 University of Northern BC  
 University of Ottawa  
 University of Porto  
 University of Saskatchewan  
 University of the Fraser Valley  
 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

### Private

Adler University  
 Ashton College  
 Bilkent University, Turkey  
 CDI College - Burnaby  
 Centre for Distance Education  
 LaunchLife International  
 NorQuest College  
 Northwestern University  
 Robertson College  
 Sprott-Shaw College  
 Stenberg College  
 Vancouver Art Therapy Institute  
 Vancouver Career College  
 West Coast College of Health Care  
 West Coast College of Massage Therapy  
 Western Seminary - Seattle

### Private Non-Profit

Trinity Western University

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

Education Institution	Discipline/Sub-discipline	Total Student Hours		
		FY 20-21	FY 21-22	FY 22-23
<b>BCIT</b>		57,646	75,262	71,642
	<b>Nursing</b>	23,272	34,188	33,420
	Bacc Nursing - BScN/BSN/BN	9,996	18,859	20,148
	Post-RN Specialty	13,276	15,329	13,272
	<b>Therapist</b>	15,668	19,268	20,213
	Radiation Therapist	15,668	19,268	20,213
	<b>Technologist/Technician</b>	17,649	19,461	16,887
	Medical Laboratory Technologist	7,875	9,750	6,300
	Sonography Tech	1,881	2,450	3,472
	Clinical Genetics Technologist	1,840	2,870	2,905
	Radiology Tech	3,653	1,926	1,079
	Nuclear Medicine Tech	2,000	1,760	2,080
	Perfusionist	240	225	451
	Magnetic Resonance Imaging (MRI) Technology/Technician	160		600
	Electroencephalograph Technologist		480	
	<b>Administration</b>	1,058	1,120	1,120
	Medical Office Assistant	560	1,120	1,120
	Human Resources Management	450		
	Communications	48		
	<b>Non-Health</b>		700	
	Other Non Health Disciplines		700	
	<b>Other Health</b>		525	
	Biomedical Engineer		525	
	<b>Rehabilitation Sciences</b>			3
	Prosthetist			3
<b>University of British Columbia</b>		38,541	50,458	60,198
	<b>Nursing</b>	16,396	22,494	13,882
	Bacc Nursing - BScN/BSN/BN	15,528	21,080	13,008
	Nurse Practitioner	868	1,034	712
	Nursing - Masters		380	162
	<b>Pharmacy</b>	7,040	9,128	8,840
	Pharmacist	7,040	9,128	8,840
	<b>Other Health</b>	2,090	4,886	10,384
	Master of Science in Medical Genetics		4,116	7,684
	Masters of Public Health	2,090	770	2,700
	<b>Rehabilitation Sciences</b>	6,140	4,770	6,212
	Occupational Therapist	3,908	3,158	4,407
	Physiotherapist	1,476	1,296	1,278
	Speech & Language Pathologist/Communications	540	317	302
	Audiologist	216		225
	<b>Medicine</b>		1,520	9,748
	Midwifery		1,520	9,748
	<b>Social Work</b>	2,822	3,600	4,662
	Master of Social Work	1,688	3,600	3,150

Education Institution	Discipline/Sub-discipline	Total Student Hours		
		FY 20-21	FY 21-22	FY 22-23
	Bachelor of Social Work	1,134		1,512
	Food & Nutrition	2,976	3,096	4,320
	Dietitian - Bachelor		1,760	4,320
	Dietitian	2,976	1,336	
	Psychology	1,000	80	1,014
	Counselling Psychology		64	1,000
	Psychology (PHD)	1,000	16	14
	Dental Medicine	8	884	356
	Doctor of Dental Medicine	8	684	56
	General Practice Residency		200	280
	Pediatric dentistry/pedodontics			16
	Prosthodontics/prosthodontology			4
	Management			660
	Master of Health Administration			450
	Policy and Planning			210
	Administration	70		120
	Master of Library and Information Services			120
	Policy and Planning	70		
Justice Institute of BC		29,708	45,456	57,114
	Paramedic	29,708	45,456	57,114
	Primary Care Paramedic - on-car	22,705	39,144	41,890
	Advanced Care Paramedic - on-car	6,739	6,192	14,976
	Paramedic-Advanced/Critical Care	264	120	248
Douglas College		14,622	17,579	26,566
	Nursing	13,782	14,749	23,186
	Bacc Nursing - BScN/BSN/BN	9,142	8,939	14,249
	Psychiatric Nursing Bacc - BScN/BN/RPN Psych	4,640	5,810	8,937
	Therapist	840	1,400	1,190
	Recreation Therapist Degree	840	1,400	1,190
	Health Information Management		1,080	250
	Health Information Management		1,080	
	Health Information Management Professional/Health Records Administrator			250
	Social Work		350	800
	Child and Youth Care Worker			800
	Bachelor of Social Work		350	
	Other Health			960
	Community Health and Preventive Medicine			960
	Administration			180
	Communications			180
Columbia Paramedic Academy		2,532	11,544	23,296
	Paramedic	2,532	11,544	23,296
	Primary Care Paramedic - on-car	2,532	11,544	16,134
	Advanced Care Paramedic - on-car			7,162
Thompson Rivers University		20,062	22,214	20,883
	Therapist	18,620	20,580	19,355
	Respiratory Therapist	18,620	20,580	19,355
	Nursing	1,442	1,214	1,528
	Bacc Nursing - BScN/BSN/BN	1,046	614	1,228
	Registered Nurse	396	600	300

Education Institution	Discipline/Sub-discipline	Total Student Hours		
		FY 20-21	FY 21-22	FY 22-23
	Social Work		420	
	Bachelor of Social Work		420	
Langara College		11,910	17,526	19,520
	Nursing	11,910	17,526	19,460
	Bacc Nursing - BScN/BSN/BN	11,910	17,526	19,460
	Administration			60
	Library and Information Technology			60
Kwantlen Polytechnic University		16,895	14,484	13,806
	Nursing	16,895	14,484	13,782
	Bacc Nursing - BScN/BSN/BN	11,999	12,002	10,010
	Psychiatric Nursing Bacc - BScN/BN/RPN Psych	4,704	2,386	3,772
	Registered Nurse	192	96	
	Non-Health			24
	Bachelor of Science			24
Vancouver Community College		7,969	11,440	11,461
	Nursing	3,576	6,156	6,768
	Bacc Nursing - BScN/BSN/BN	3,576	6,156	6,768
	Technologist/Technician	2,696	3,788	3,585
	Sterile Processing Technician	2,396	3,188	2,385
	Medical Laboratory Assistant	300	600	1,200
	Administration	800	924	368
	Health Unit Coordinator/Nursing Unit Clerk	800	840	284
	Medical Transcriptionist		84	84
	Rehabilitation Sciences	675	413	420
	Rehabilitation Assistant	675	413	420
	Pharmacy	222	160	320
	Pharmacy Technician	222	160	320
Stenberg College		3,460	3,674	6,304
	Nursing	2,700	1,674	3,600
	Psychiatric Nursing - Diploma	2,700	1,674	3,600
	Administration	240	1,200	1,424
	Health Unit Coordinator/Nursing Unit Clerk	240	1,200	1,424
	Pharmacy	520	800	1,280
	Pharmacy Technician	520	800	1,280
Simon Fraser University		6,059	6,840	4,946
	Other Health	5,344	4,120	3,296
	Masters of Public Health	5,344	4,120	3,296
	Psychology	715	2,720	1,650
	Psychology (PHD)	415	2,720	1,650
	Psychology (Masters)	300		
Trinity Western University		3,700	3,456	4,320
	Nursing	3,600	3,456	4,320
	Bacc Nursing - BScN/BSN/BN	3,600	3,456	4,320
	Other Health	100		
	Counselling - Other	100		
Camosun College/University of Victoria		540	1,230	2,076
	Nursing	540	1,230	2,076
	Bacc Nursing - BScN/BSN/BN	540	1,230	2,076

Education Institution	Discipline/Sub-discipline	Total Student Hours		
		FY 20-21	FY 21-22	FY 22-23
University of British Columbia - Okanagan		2,638	1,808	1,974
	Social Work	1,606	900	1,350
	Master of Social Work	1,606	900	1,350
	Nursing	1,032	908	240
	Bacc Nursing - BScN/BSN/BN	960	908	240
	Nursing - Masters	72		
	Psychology			384
	Psychology (PHD)			384
University of Northern British Columbia		2,131	1,654	1,779
	Nursing	1,690	1,654	1,517
	Bacc Nursing - BScN/BSN/BN	1,690	624	1,092
	Nurse Practitioner		1,030	425
	Social Work	441		262
	Bachelor of Social Work	441		262
McMaster University		400	920	1,680
	Other Health	400	920	1,680
	Masters of Public Health	400	560	1,680
	Child Life Specialist		360	
University of the Fraser Valley		1,140	3,296	1,659
	Social Work	840	2,090	
	Bachelor of Social Work	840	420	
	Child and Youth Care Worker		1,220	
	Master of Social Work		450	
	Nursing		1,056	1,584
	Bacc Nursing - BScN/BSN/BN		1,056	1,584
	Administration	300	150	75
	Health Unit Coordinator/Nursing Unit Clerk	300	150	
	Medical Office Assistant			75
CDI College			160	1,580
	Pharmacy		160	1,320
	Pharmacy Technician		160	1,320
	Social Work			260
	Social Services Worker			260
University of Victoria		2,619	1,458	1,531
	Nursing	1,369	1,108	231
	Nurse Practitioner	1,265	900	231
	Nursing - Masters	104	208	
	Social Work	450	350	450
	Master of Social Work	450		450
	Bachelor of Social Work		350	
	Psychology	800		400
	Psychology (PHD)	800		400
	Other Health			450
	Masters of Public Health			450
Sprott-Shaw College			3,016	1,436
	Administration		2,816	1,076
	Health Unit Coordinator/Nursing Unit Clerk		2,304	1,076
	Medical Office Assistant		512	
	Nursing			360

Education Institution	Discipline/Sub-discipline	Total Student Hours		
		FY 20-21	FY 21-22	FY 22-23
	Licensed/Registered Practical Nurse			360
	Other Health		200	
	Community Health and Preventive Medicine		200	
Sprott Shaw College		128	256	1,408
	Administration	128	256	1,208
	Health Unit Coordinator/Nursing Unit Clerk	128	256	1,208
	Nursing			200
	Licensed/Registered Practical Nurse			200
College of the Rockies				852
	Nursing			852
	Bacc Nursing - BScN/BSN/BN			852
Capilano University		2,008	1,700	850
	Therapist	1,790	1,700	850
	Music Therapist	1,790	1,700	850
	Rehabilitation Sciences	218		
	Rehabilitation Assistant	218		
Queens University			800	800
	Other Health		400	400
	Masters of Public Health		400	400
	Nursing		400	400
	Bacc Nursing - BScN/BSN/BN		400	400
Okanagan College		126	756	700
	Rehabilitation Sciences		360	360
	Rehabilitation Assistant		360	360
	Administration		100	340
	Health Unit Coordinator/Nursing Unit Clerk		100	250
	Medical Office Assistant			90
	Nursing	126	296	
	Licensed/Registered Practical Nurse		224	
	Bacc Nursing - BScN/BSN/BN	126	72	
Vancouver Art Therapy Institute		150	300	700
	Therapist	150	300	700
	Art Therapist	150	300	700
Adler University		700	2,100	700
	Psychology	700	2,100	700
	Psychology (Masters)	700	1,400	700
	Counselling Psychology		700	
Renison University College			1,262	462
	Social Work		1,262	462
	Master of Social Work		1,262	462
Brock University				420
	Other Health			420
	Masters of Public Health			420
Nicola Valley Institute of Technology		420	420	420
	Social Work	420	420	420
	Bachelor of Social Work	420	420	420
University of Guelph			840	420
	Management		840	420
	Master of Health Administration		840	420

Education Institution	Discipline/Sub-discipline	Total Student Hours		
		FY 20-21	FY 21-22	FY 22-23
Lakehead University			400	400
	Other Health		400	400
	Masters of Public Health		400	400
West Coast College of MASSAGE Therapy				336
	Therapist			336
	Massage Therapist			336
Selkirk College				300
	Pharmacy			180
	Pharmacy Technician			180
	Administration			120
	Health Unit Coordinator/Nursing Unit Clerk			120
City University of Seattle			600	300
	Psychology		600	300
	Counselling Psychology		600	300
University of Saskatchewan				288
	Nursing			288
	Nurse Practitioner			288
Camosun College		500	32	260
	Administration	500		
	Health Unit Coordinator/Nursing Unit Clerk	500		
	Other Health			260
	Community Health and Preventive Medicine			260
	Technologist/Technician		32	
	Radiology Tech		32	
Eastern College				220
	Health Information Management			220
	Health Information Management Professional/Health Records Administrator			220
University of Toronto		1,920	1,480	200
	Other Health	1,120	980	
	Masters of Public Health	1,120	980	
	Nursing	600	300	
	Nurse Practitioner	600	300	
	Pharmacy	200	200	200
	Pharmacist	200	200	200
University of Manitoba				194
	Technologist/Technician			194
	Clinical Genetics Technologist			194
Athabasca University		630	530	150
	Nursing	630	530	150
	Bacc Nursing - BScN/BSN/BN	380	380	
	Nurse Practitioner	250	150	150
College of New Caledonia		65	323	128
	Administration		143	128
	Health Unit Coordinator/Nursing Unit Clerk		143	128
	Nursing	65	180	
	Licensed/Registered Practical Nurse	65	180	
University of Alberta		800	400	100
	Other Health	800	400	

Education Institution	Discipline/Sub-discipline	Total Student Hours		
		FY 20-21	FY 21-22	FY 22-23
	Masters of Public Health	800	400	
	Nursing			100
	Nurse Practitioner			100
University of Waterloo		462		8
	Social Work	462		
	Master of Social Work	462		
	Other Health			8
	Masters of Public Health			8
Ashton College			270	
	Administration		270	
	Health Unit Coordinator/Nursing Unit Clerk		270	
Ryerson University		112		
	Food & Nutrition	112		
	Other	112		
NorQuest College			100	
	Non-Health		100	
	Other Non Health Disciplines		100	
Langara College			60	
	Administration		60	
	Library and Information Technology		60	
McGill University			38	
	Other Health		38	
	Masters of Public Health		38	
Heartsafe EMS		1,011	684	
	Paramedic	1,011	684	
	Primary Care Paramedic - on-car	1,011	684	
College of the North Atlantic			120	
	Rehabilitation Sciences		120	
	Rehabilitation Assistant		120	
Wilfrid Laurier University		338	1,625	
	Social Work	338	1,625	
	Master of Social Work	338	1,625	
Robertson College			160	
	Non-Health		160	
	Other Non Health Disciplines		160	
York University		338		
	Social Work	338		
	Master of Social Work	338		
University of Western Ontario		400		
	Other Health	400		
	Masters of Public Health	400		
Holland College		5	12	
	Paramedic	5	12	
	Primary Care Paramedic - on-car	5	12	
Vancouver Career College			140	
	Administration		140	
	Medical Office Assistant		140	
Saskatchewan Polytechnic			73	
	Other		73	

Education Institution	Discipline/Sub-discipline	Total Student Hours		
		FY 20-21	FY 21-22	FY 22-23
	Health Information Management		73	
Vancouver Island University			240	
	Other Health		240	
	Community Health and Preventive Medicine		240	
AET Paramedic Academy		1,660	4,092	
	Paramedic	1,660	4,092	
	Primary Care Paramedic - on-car	1,660	4,092	
University of Calgary		300	525	
	Social Work		525	
	Bachelor of Social Work		525	
	Psychology	300		
	Counselling Psychology	300		
University of Windsor			1,220	
	Psychology		800	
	Clinical Psychology		800	
	Social Work		420	
	Master of Social Work		420	
<b>Grand Total</b>		<b>234,645</b>	<b>315,030</b>	<b>344,384</b>

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

Question	Answer choices	
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 Corrections Health Services Forensic Psychiatric Hospital Lower Mainland Pathology and Laboratory Medicine PHSA Corporate Services Red Fish Centre for Healing Sunny Hill Health Centre for Children Other (see next question)	
Select the educational institution you were attending at the time of your practicum.	AET Paramedic Academy BCIT Camosun College Capilano University CDI College Douglas College Heartsafe First Aid Training Justice Institute of BC Kwantlen Polytechnic University Langara College Nicola Valley Institute of Technology Okanagan College Other Queens University	Simon Fraser University Stenberg College Thompson Rivers University Trinity Western University University of Alberta University of British Columbia University of British Columbia - Okanagan University of Northern British Columbia University of the Fraser Valley University of Toronto University of Victoria Vancouver Career College Vancouver Community College West Coast College of Health Care
Select the discipline you graduated from.	Art Therapist Child and Youth Care Worker Clerical - General Clinical Genetics Technologist Dentist Dietitian Health Care Assistant Health Information Management Leadership Medical Device Reprocessing Technician Medical Laboratory Assistant Medical Laboratory Technologist Medical Office Assistant Midwives	Paramedic - Advanced Care Paramedic - Emergency Medical Responder Paramedic - Primary Care Pharmacist Pharmacy Technician Physician Physiotherapist Psychology - Clinical Psychology - Counselling Psychology - other Public Health Radiation Therapist Radiology Tech Recreation Therapist Rehabilitation Assistant Respiratory Therapist

Question	Answer choices	
	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	