

FISCAL YEAR 2018–19

STUDENT EDUCATION METRICS

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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 our 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 this year includes student education summaries for the following programs: BC Cancer, BC Children's Hospital and SunnyHill Health Centre, BC Women's Hospital and Health Centre, BC Emergency Health Services, BC Mental Health and Substance Use Services, and BC Centre for Disease Control.

The intent of the report is to:

- Acknowledge, celebrate and monitor the commitment of our teams who support student education.
- Recognize collaborations with our academic partners.
- 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.

PHSA STUDENT EDUCATION METRICS SUMMARY

INDICATOR	KEY MEASURE DESCRIPTION	FY 2016-17	FY 2017-18	FY 2018-19	
		Value	Value	Value	
BUILD STUDENT EDUCATION CAPACITY	1a	Total Number of Student Hours by Program (excludes medical students)	235,396	255,382	272,052
		BCCH	110,542	91,497	103,766
		BCEHS	56,408	70,939	59,103
		BCW	36,795	38,029	38,418
		BCMHSUS (Forensics, MH & Addictions, Burnaby Centre for MH, CHS)	16,878	29,029	31,436
		BC Cancer – all locations	9,701	17,145	26,241
		SunnyHill	4,192	7,392	7,213
		All Other (BCCDC, PSBC, BCPSLS, Trans Care BC, PHSA)	880	1,351	5,875
	1a	Total Number of Students by Program (excludes medical students)			1,723
		BCCH			643
		BCEHS			402
		BCW	N/A	N/A	319
		BCMHSUS (Forensics, MH & Addictions, Burnaby Centre for MH, CHS)			207
	BC Cancer – all locations			95	
	SunnyHill			38	
	All Other (BCCDC, PSBC, BCPSLS, Trans Care BC, PHSA)			19	
1b	Total Number of Medical Students (Undergraduate & Postgraduate)				
	Undergraduate Medical Students (annual)	405	454	493	
	Postgraduate Medical Residents (annual)	697	793	805	
1e	Estimated Cost of Staff Time by Encounter Type**				
	One-to-one	\$3,227,016	\$3,896,431	\$4,929,262	
	Group	\$115,282	\$104,172	\$110,652	
1g	Total Number of PHSA declined placement requests in HSPnet**	229	241	145	
1h	Total Number of Staff Participants involved in Preceptor/Educator Training				
	Educator Pathway Project (Preceptor/Educator Training)	56	45	167	
	BC Emergency Health Services (Preceptor Training)	0	2	190	
1i	Total Number of Preceptors in HSPnet with and without a placement				
	With a placement	315	347	333	
	Without a placement	212	300	496	

INDICATOR	KEY MEASURE DESCRIPTION	FY 2016-17	FY 2017-18	FY 2018-19	
		Value	Value	Value	
BUILD EFFECTIVE PARTNERSHIPS AND COLLABORATIONS TO SUPPORT INNOVATION	2a	Total # of Affiliation Agreements (% based on standard template)	73 (81%)	68 (88%)	68 (88%)
	2b	Top 5 Education Institutions by placement hours-all disciplines			
		BCIT	33,848	40,696	64,813
		Justice Institute of BC	49,172	66,235	53,980
		University of BC	44,897	45,191	45,251
		Langara	25,855	23,793	20,387
Douglas College	11,314	9,970	19,631		
2c	Total number of student hours in an ambulatory/outpatient care setting**	28,307	37,268	37,064	
2d	Distribution of Student Hours by student education setting**				
	Inpatient	113,653	103,684	113,641	
	On Car (Paramedic)	56,408	70,939	59,103	
	Ambulatory/Outpatient	28,307	37,268	37,064	
	Mixed (OP/Amb & Inpatient)	30,478	34,962	46,358	
	Admin/Support Services & Public/Population Health	6,540	8,529	15,868	
QUALITY OF CLINICAL LEARNING ENVIRONMENT AND RESULTS	3a	# of hires at PHSA with previous Practice Education Placement	146 (30%)	559 (20%)	504 (20%)
	3b	Quality of the Clinical Learning Environment survey results	TBD	TBD	TBD
	3c	Readiness for Student Practice Education survey results	TBD	TBD	TBD

** Excludes undergraduate and postgraduate medical students and paramedics

PHSA AGGREGATE ANALYSIS

This summary data supports PHSA's ability to plan and communicate student placement capacity, and monitor the commitments to student education.

BUILD STUDENT EDUCATION CAPACITY

Placement Activity

In FY 18-19, PHSA programs provided 272,052 student hours (excluding medical students), an increase of 16,670 hours. The difference in hours this fiscal can be seen with increased hours at BC Children's Hospital, BC Mental Health and Substance Use Services. The total number of student hours at BC Children's Hospital returned to 103,766 for 2018-19 after seeing a decrease to 91,497 hours in 2017-18. The increase this year is attributable to more hours for pharmacists, clinical genetics technologist and psychology placements. The total number of student hours at BC Cancer increased from 17,145 to 26,241 attributed to an increase of 10,589 hours for radiation therapists now that the radiation therapy program once again has three cohorts of students.

BCMHSUS saw an increase in total student hours from 29,029 last year to 31,436 for 2018-19, primarily due to an increase in psychiatric nursing students at Burnaby Centre, a new placement for bachelor of nursing students at Forensic Psychiatric Hospital, and an increase for bachelor of nursing students at Correctional Health Services.

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

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

Discipline/Sub-discipline	FY 16-17		FY 17-18		FY 18-19	
	Total Student Hours	Total # of Students	Total Student Hours	Total # of Students	Total Student Hours	Total # of Students
Nursing	107,428	881	106,337	899	106,140	833
Bacc Nursing - BScN/BSN/BN	92,316	775	83,446	756	76,148	621
Post-RN Specialty	7,464	53	11,493	80	17,814	148
Psychiatric Nursing Bacc - BScN/BN/RPN Psych	2,867	15	4,607	25	8,442	36
Nurse Practitioner	3,263	24	2,694	23	1,493	18
Psychiatric Nursing - Diploma	810	5	3,420	12	1,440	4
Licensed/Registered Practical Nurse	230	3	180	1	65	1
Nursing - Masters	322	5			104	1
Post-LPN/RPN Specialty			420	1		
Registered Nurse					396	2
Bacc Nursing - Post Diploma BSN/BN	156	1	78	1	78	1
Psychiatric Nursing Bacc - BScN/BN/RPN Psych - Post Diploma					160	1

TABLE 1 continued

Discipline/Sub-discipline	FY 16-17		FY 17-18		FY 18-19	
	Total Student Hours	Total # of Students	Total Student Hours	Total # of Students	Total Student Hours	Total # of Students
Paramedic*	57,912	-	71,131	-	59,271	423
Primary Care Paramedic	32,166	-	48,286	-	46,098	337
Advanced Care Paramedic	25,747	68	22,845	24	13,173	86
Therapist	23,362	110	27,420	126	37,299	115
Respiratory Therapist	18,620	76	17,150	70	17,395	71
Radiation Therapist	320	8	6,384	20	16,973	35
Music Therapist	2,862	7	2,862	7	156	2
Recreation Therapist Degree	1,120	2	560	1	1,925	5
Art Therapist	140	2			850	2
Massage Therapist	300	15	464	28		
Technologist/Technician	18,116	75	15,919	48	21,405	81
Medical Laboratory Technologist	6,860	10	8,075	10	8,250	10
Radiology Tech	2,656	7	2,732	7	3,050	9
Sonography Tech	2,660	12	2,562	11	3,150	13
Nuclear Medicine Tech	2,320	29	1,040	15	2,400	30
Clinical Genetics Technologist	2,080	6	450	1	2,180	6
Medical Laboratory Assistant	1,000	7	420	3	1,030	7
MRI Technology/Technician			640	1	1,120	4
Perfusionist	540	4			225	2
Rehabilitation Sciences	7,387	66	7,831	48	8,246	46
Occupational Therapist	3,821	43	3,845	17	3,780	17
Physiotherapist	2,584	18	2,816	26	3,304	22
Rehabilitation Assistant	450	2	594	3	885	4
Speech & Language Pathologist/ Communications	317	2	576	2	29	1
Audiologist	216	1			248	2
Pharmacy	4,300	27	6,140	43	9,890	49
Pharmacist	4,000	25	5,680	40	8,800	42
Pharmacy Technician	300	2	460	3	1,090	7
Social Work	1,756	5	8,718	20	7,813	22
Master of Social Work	900	2	5,960	13	4,076	10
Bachelor of Social Work	420	1	2,758	7	2,337	7
Child and Youth Care Worker	436	2			600	1
Diploma of Social Work					520	2
Social Services Worker Certificate					280	2

TABLE 1 continued

Discipline/Sub-discipline	FY 16-17		FY 17-18		FY 18-19	
	Total Student Hours	Total # of Students	Total Student Hours	Total # of Students	Total Student Hours	Total # of Students
Non-Health	3,120	12	2,451	9	9,943	31
Masters of Public Health	1,680	4	2,225	7	7,238	17
Health Information Management	1,440	8			2,385	13
Bachelor of Science			184	1	320	1
Bachelor of Arts			42	1		
Administration	3,470	30	5,519	50	5,082	52
Health Unit Coordinator/Nursing Unit Clerk			3,599	32	2,940	28
Clerical - General	1,440	12	1,080	9	600	5
Medical Office Assistant	180	2	800	8	1,458	18
Unit Clerk	1,850	16				
Medical Transcriptionist					84	1
Other Administrative			40	1		
Psychology	6,050	8	550	2	2,628	8
Psychology (PHD)	3,900	2			128	2
Psychology (Masters)	150	1	450	1	2,350	5
Counselling Psychology	2,000	5	100	1	150	1
Food & Nutrition	2,384	23	2,336	17	2,832	27
Dietitian	2,384	23	2,336	17	2,832	27
Other Health	110	19	1,030	18	1,432	27
Biomedical Engineer					875	5
Community Health Worker			670	6		
Various - Multidisciplinary/Interdisciplinary			252	6	252	6
Therapeutic Touch Practitioner	54	12	108	6	270	15
Midwifery	56	7				
Other Health					35	1
Dental Medicine					72	9
Doctor of Dental Medicine					72	9
GRAND TOTAL	235,395	1,324	255,382	1,304	272,052	1,723

*Excludes number of ACP & PCP on-car paramedic students for FY 16-17 & FY 17-18 due to data source limitations

Medical Doctor Undergraduate Program (MDUG) and Post Graduate Medical Education (PGME) resident data is uploaded from UBCs one45 placement system into HSPnet to enable tracking, reporting, and auto-provisioning of computer network access and email accounts. The number of students (1,261), placements (5,866) and days (135,399) for all clinical placements by program can be found in Tables 2 and 3. The number of medical undergraduate and medical postgraduate students continues to gradually increase each of the past three years. Total number of days are not representative of actual days worked.

The Medical Doctor Undergraduate Program (MDUG) had a total of 493 distinct students, representing 2,182 placements and 32,043 days, arriving at PHSA facilities from April 1, 2018 – March 31, 2019. See Table 2 for a breakdown by specialty.

TABLE 2 MDUG – Total # of Distinct Students, Placements and Requested Days

Specialty	# of Distinct Students	# of Placements	Total # of Days
Pediatrics	233	413	10,051
Psychiatry	139	344	6,181
Anesthesiology	110	358	3,207
ObGyn	66	149	2,669
Ophthalmology	197	229	1,673
Radiation Oncology	83	137	1,478
Emergency	83	106	1,300
Cardiology	47	61	773
Neurology - Pediatric	50	59	647
Oncology	34	47	609
Family Medicine	15	27	399
Otolaryngology	22	34	343
Urology	20	32	315
Medical Oncology	17	28	301
Orthopedic Surgery	13	22	245
Medical Biochemistry	11	15	203
Internal Medicine	15	17	182
Dermatology	10	13	168
Endocrinology	7	10	155
Pathology	7	10	154
Medical Genetics	4	11	147
Infectious Disease	5	9	133
Forensic Psychiatry	7	9	126
Public Health	3	6	112
Plastic Surgery	7	9	98
Orthopedics	3	5	77
Cardiac Surgery	4	5	70
Gastroenterology	3	5	57
Emergency Medicine - Pediatrics	2	2	56
Rheumatology	1	2	42
Diagnostic Radiology	3	4	42
Gynecological Oncology	1	1	15
Critical Care	2	2	14
Developmental Pediatrics	1	1	1
GRAND TOTAL	493	2,182	32,043

The Post Graduate Medical Education program (PGME) had a total of 805 distinct students, representing 3,684 placements and 103,356 days, arriving at PHSA facilities from April 1, 2018 – March 31, 2019. See Table 3 for a breakdown by specialty.

TABLE 3 PGME – Total # of Distinct Students, Placements and Requested Days

Specialty	# of Distinct Students	# of Placements	Total # of Days
Pediatrics	211	775	19,860
ObGyn	115	488	13,576
Psychiatry	73	400	12,312
Emergency	178	251	7,992
Oncology	72	230	6,402
Anesthesiology	49	125	3,499
Critical Care	56	100	3,466
Neurology - Pediatric	55	134	3,336
Radiation Oncology	42	118	3,222
Endocrinology	36	105	2,939
Pathology	45	96	2,639
Rheumatology	19	64	1,831
Ophthalmology	26	43	1,827
Infectious Disease	25	57	1,518
Urology	20	53	1,484
Dermatology	27	59	1,419
Cardiology	27	47	1,327
Otolaryngology	13	46	1,261
Medical Genetics	19	53	1,167
Orthopedics	12	41	1,148
Medical Biochemistry	20	35	950
Orthopedic Surgery	12	33	903
General Survey	15	32	896
Diagnostic Radiology	17	28	763
Palliative	13	28	742
Developmental Pediatrics	22	25	704
Family Medicine	7	17	638

Specialty	# of Distinct Students	# of Placements	Total # of Days
Emergency Medicine - Pediatrics	19	21	587
Neonatal Perinatal Medicine	11	21	574
Gastroenterology	17	19	532
Neurosurgery	6	17	478
Public Health	4	17	477
Neurology	9	17	475
Plastic Surgery	7	13	365
General Internal Medicine	8	13	308
Medical Oncology	10	12	282
Physical Medicine & Rehabilitation	2	7	196
Geriatric Medicine	3	7	195
Forensic Psychiatry	4	6	173
Cardiac Surgery	2	6	167
Hematology	4	5	140
Gynecological Reproductive Endocrinology & Infertility	2	3	126
Neuropathology	4	4	112
Internal Medicine	1	4	105
Neuroradiology	3	3	84
Gynecological Oncology	3	3	70
Geriatric Psychiatry	2	2	61
Respirology	1	1	28
GRAND TOTAL	805	3,684	103,356

The number of distinct students (1,723) by discipline and sub-discipline by month for PHSA Overall is seen in Table 4, allowing the organization to see at a glance the types of students and volumes that have been supported throughout the last fiscal year.

This data can be used to:

- Anticipate student volumes by discipline at each site throughout the calendar year.
- Plan for students in advance, including support for the planning required for preceptor assignment, development and availability.
- Schedule students learning activities such as CST training, and interprofessional collaborative practice events and learning opportunities.

Note: Since the length of student placements vary, the students listed in one month may still be on-site in subsequent months; excluded from this table are medical students, residents, and on-car paramedic placements whose current policies result in an equal distribution of placements throughout the year.

TABLE 4 Total # of Students by Discipline and Sub-discipline by Month

Discipline/ Sub-Discipline	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Annual Total
Administration	5	4	7	4		4	11	3		4	4	6	52
Health Unit Coordinator/Nursing Unit Clerk	2	2		4		3	6	3		3		5	28
Medical Office Assistant	1	1	7				5				3	1	18
Clerical - General	1	1				1				1	1		5
Medical Transcriptionist	1												1
Food & Nutrition	1	2	1			12		1	1	3	5	1	27
Dietitian	1	2	1			12		1	1	3	5	1	27
Non-Health	16	11					1	1		2			31
Masters of Public Health	4	11								2			17
Health Information Management	12							1					13
Bachelor of Science							1						1
Nursing	14	121	16	16	5	200	82	40		212	56	71	833
Bacc Nursing - BScN/BSN/BN		89	7	10	4	171	40	28		173	45	54	621
Post-RN Specialty	14	18	8			10	39	12		24	8	15	148
Psychiatric Nursing Bacc - BScN/BN/ RPN Psych		10	1			11	3			8	3		36
Nurse Practitioner		2		1	1	7				6		1	18
Psychiatric Nursing - Diploma				4									4

TABLE 4 continued

Discipline/ Sub-Discipline	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Annual Total
Registered Nurse										1		1	2
Licensed/Registered Practical Nurse				1									1
Bacc Nursing - Post Diploma BSN/BN		1											1
Psychiatric Nursing Bacc - BScN/BN/ RPN Psych - Post Diploma		1											1
Nursing - Masters						1							1
Other Health	5		6	15	1		9						36
Therapeutic Touch Practitioner				15									15
Doctor of Dental Medicine							9						9
Various - Multidisciplinary/ Interdisciplinary			6										6
Biomedical Engineer	5												5
Other Health					1								1
Paramedic				8	4	6			2	1			21
Advanced Care Paramedic				8	4	6			2	1			21
Pharmacy	2	8	9		2	2	9	1		9		7	49
Pharmacist	1	8	8		2	1	7			8		7	42
Pharmacy Technician	1		1			1	2	1		1			7
Psychology	1	2	2			3							8
Psychology (Masters)		1	1			3							5
Psychology (PHD)		1	1										2
Counselling Psychology	1												1
Rehabilitation Sciences	6	5			4		2	13	1	6	4	5	46
Physiotherapist	3	2			3		2	8			1	3	22
Occupational Therapist	3	2						4		5	3		17
Rehabilitation Assistant		1						1				2	4
Audiologist					1					1			2
Speech & Language Pathologist/Comm									1				1

TABLE 4 continued

Discipline/ Sub-Discipline	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Annual Total
Social Work	2				1	11	1			5	2		22
Master of Social Work	1					9							10
Bachelor of Social Work										5	2		7
Social Services Worker Certificate	1						1						2
Diploma of Social Work						2							2
Child and Youth Care Worker					1								1
Technologist/ Technician	4	6	10	11	5	5	12	2		11	8	7	81
Nuclear Medicine Tech	2		4	4	2	1	4	2		4	4	3	30
Sonography Tech	2	2	1		2		2			2	2		13
Medical Laboratory Technologist		2	3	5									10
Radiology Tech			2			2	3			2			9
Medical Laboratory Assistant		1				1	2			1	1	1	7
Clinical Genetics Technologist		1		2	1							2	6
Magnetic Resonance Imaging (MRI) Technology/Technician						1	1			1		1	4
Perfusionist										1	1		2
Therapist	1	7	10	12	10	11	10	1	20	12	10	11	115
Respiratory Therapist			10		10	10	10		11		10	10	71
Radiation Therapist		7		12					9	7			35
Recreation Therapist Degree						1		1		2		1	5
Music Therapist										2			2
Art Therapist	1									1			2
GRAND TOTAL	57	166	61	66	32	254	137	62	24	265	89	108	1,321

Below is a listing of the number of confirmed and declined placements for high priority professions identified by the Ministry of Health and PHSA. This is a new section in the student education metrics report this year, intended to support PHSA with identifying opportunities to coordinate and collaborate across programs and academic partners. Table 5 shows the number of confirmed and declined placement requests for a specific profession.

Not all team member roles are represented in the tables below, they are a selection of disciplines from the priority professions identified either by the Ministry of Health or by PHSA program leaders. This data allows the organization to compare the number of students with workforce planning data and evaluate if targeted approaches are warranted.

TABLE 5 Number of Confirmed and Declined Placement Requests by Educational Institution

Priority Discipline Education Institution	Confirmed	Declined by Agency
Diploma of Social Work	2	
Douglas College	2	
Bachelor of Social Work	7	5
Nicola Valley Institute of Technology		1
Thompson Rivers University		1
University of British Columbia	1	1
University of Northern British Columbia	2	1
University of the Fraser Valley	2	
University of Victoria	1	1
Vancouver Island University	1	
Master of Social Work	10	3
Renison University College	2	
University of British Columbia	8	1
University of Victoria		1
University of Calgary		1
Child and Youth Care Worker	1	2
University of the Fraser Valley	1	
University of Victoria		2
Social Services Worker Certificate	2	2
Vancouver Career College	2	2
Dietitian	27	
University of British Columbia	27	

Priority Discipline Education Institution	Confirmed	Declined by Agency
Medical Laboratory Assistant	7	1
CDI College	1	
Stenberg College	1	
Vancouver Community College	4	
West Coast College of Health Care	1	1
Medical Laboratory Technologist	10	
BCIT	10	
Nurse Practitioner	18	12
Athabasca University	3	3
Dalhousie University		1
University of British Columbia	2	2
University of Victoria	13	6
Occupational Therapist	17	3
University of British Columbia	16	3
Western Washington University	1	
Physiotherapist	22	
University of British Columbia	22	
Respiratory Therapist	71	
Thompson Rivers University	71	
Sonography Tech	13	
BCIT	13	
GRAND TOTAL	207	28

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 is an indication of available capacity. Currently, PHSA utilizes the provincially developed Educator Pathway (EP) program in conjunction with agency specific preceptor development courses to train and support staff who work with students to deliver the student education component of health care provider education programs. Level one of the Educator Pathway is a one-day session that provides key concepts, tools and resources for preceptors. This year, 167 preceptors participated in sessions offered by BC Children's Hospital, BC Women's Hospital & Health Centre, BCCDC, and BC Cancer. See table 6 below for a breakdown of preceptor training by agency.

In addition to the EP level 1 training, BCEHS's specific program trains Primary Care Paramedic and Advanced Care Paramedic preceptors. Within FY 2018/19, BCEHS offered 12 preceptor orientation sessions for 190 paramedics at both the Primary Care Paramedic and Advanced Care Paramedic license levels.

The number of preceptors participating in training has increased from 45 to 167 for the Level 1 of the Educator Pathway, and from 2 to 190 for BCEHS preceptor training. This increase can be accounted for through increased offerings of training sessions, support from area leaders for preceptors to attend training, and in more accurate tracking and reporting of participant attendance.

Understanding the current list of preceptors and their participation in training sessions allows PHSA to review our 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 Number of Preceptors/Educators trained by the Educator Pathway Program by Program

Program	Number of Participants 2018/19 - Level 1
BCCH/BCW	98
BC Cancer	63
BCCDC	5
BCMHSUS	1
Total	167

Preceptor Activity

PHSA had a total of 829 active preceptors in FY 18-19, across all PHSA disciplines. The increase over last year's total is attributable to program's updating their active list of preceptors in HSPnet.

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

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. The number of active preceptors with and without a placement, allows for a closer look at the alignment with team interest and capacity for supporting students.

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

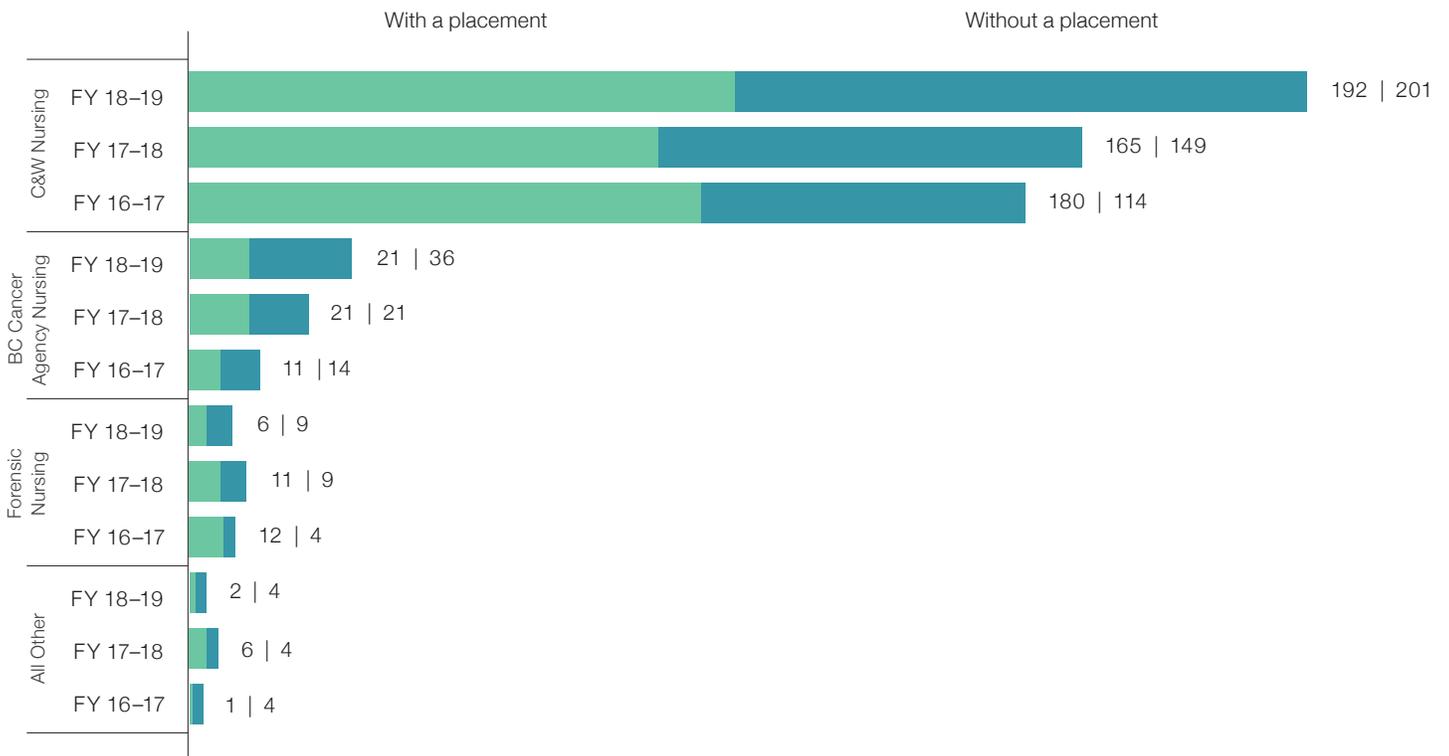
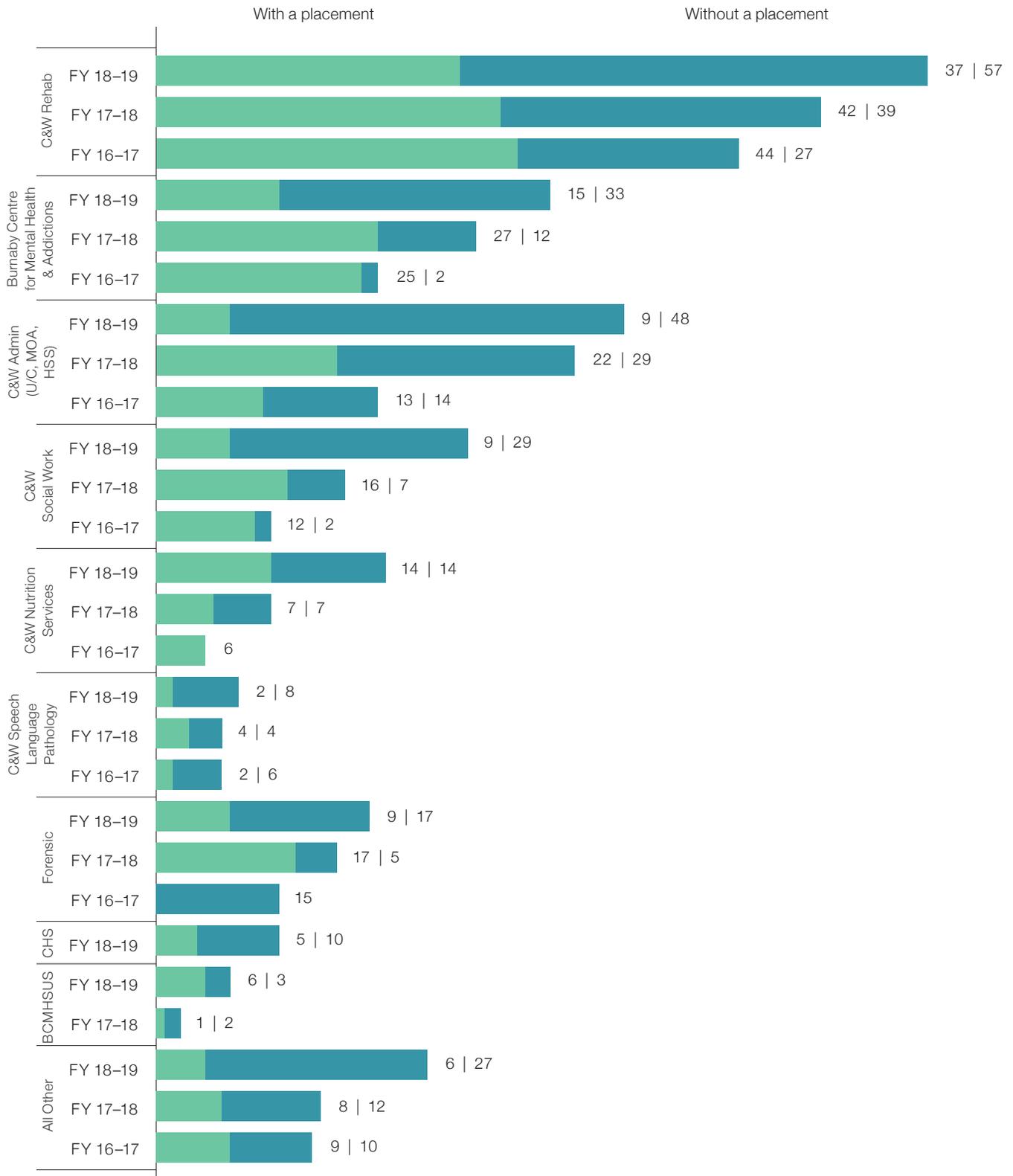
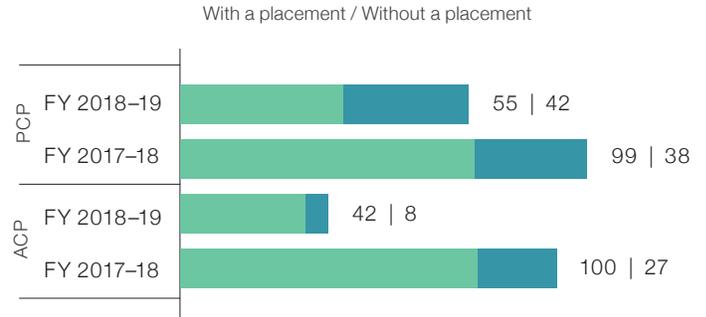


FIGURE 2 Number of HSPnet Preceptors by Student Placement Activity and Fiscal Year – All Other Disciplines



The number of trained and active preceptors in BC Emergency Health Services (BCEHS) is detailed in Figure 3. This includes all preceptor and student training for the Primary Care Paramedic and Advanced Care Paramedic courses. Training for preceptors for BCEHS other programs (Critical Care Paramedic, Infant Transfer Team, and Dispatch) are excluded.

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



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

education administration, clinical educators 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 relevant costs. There are additional in-kind costs that teams contribute to student education, but quantifying the approximate dollar-value of staff time for direct supervision is one way of acknowledging our commitment to students and our academic partners.

Table 7 shows the estimated cost of staff time by discipline for FY 18-19. Excluded from this table is estimated cost related to medical students.

TABLE 7 Estimated Cost of PHSA Preceptor Time by Discipline and Encounter Type

Fiscal Year 2018-19			
Discipline	Group	One-to-One	Total
Nursing	\$109,641	\$1,038,058	\$1,147,699
Paramedic	\$336	\$2,364,117	\$2,364,453
Therapist	\$0	\$497,313	\$497,313
Technologist/Technician	\$0	\$285,400	\$285,400
Non-Health	\$0	\$132,567	\$132,567
Pharmacy	\$0	\$164,833	\$164,833
Rehabilitation Sciences	\$0	\$137,430	\$137,430
Social Work	\$0	\$130,217	\$130,217
Administration	\$0	\$67,760	\$67,760
Food & Nutrition	\$0	\$47,200	\$47,200
Psychology	\$0	\$43,800	\$43,800
Other Health	\$675	\$20,567	\$21,242
GRAND TOTAL	\$ 110,652	\$ 4,929,262	\$ 5,039,913

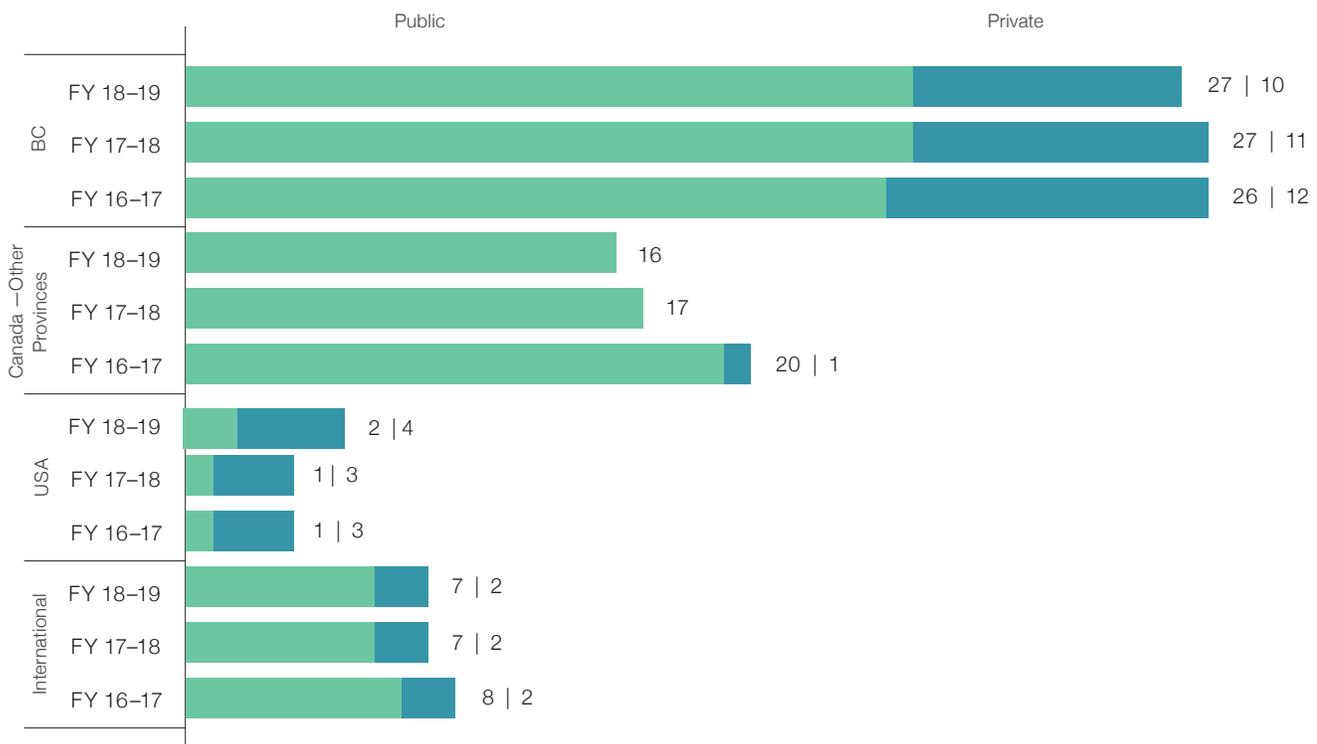
BUILD EFFECTIVE PARTNERSHIPS AND COLLABORATIONS THAT SUPPORT INNOVATION

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 our partners.

PHSA has affiliation agreements with sixty-eight (68) educational institutions, in both the public (76%) and private (24%) sector.

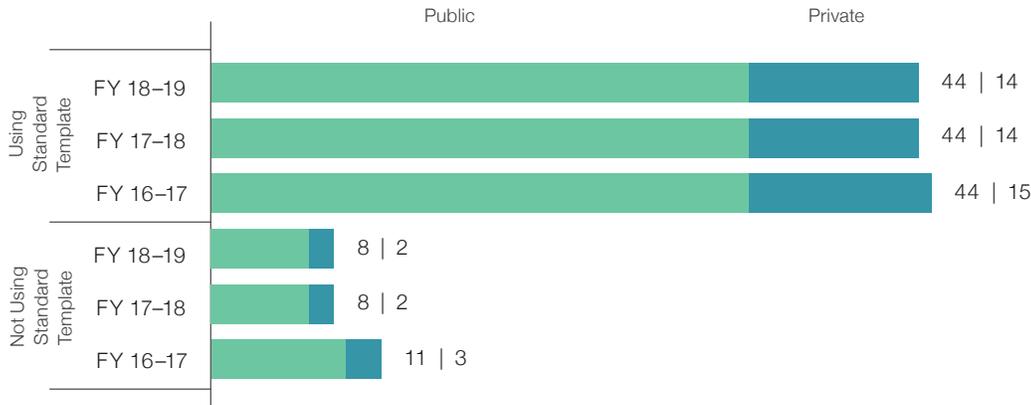
See Figure 4 for a breakdown by region and sector. In addition to these, BCEHS has affiliation agreements with JIBC, Heartsafe, and AET Paramedic Academy. PHSA also has affiliation agreements (Inter-health authority agreements) in place with other BC Health Authorities and BC Emergency Health Services to support continuing professional development. Of note is that although private institutions represent about 24% of affiliation agreements, they represent less than 3% of total student practicum hours. For a detailed list of education partners see Appendix C.

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



As in previous years, PHSA is working to transition all educational institutions to the standard template (see Figure 5) when existing agreements are established or renewed. The number using standard templates is 58 (85%), no change from FY 17-18.

FIGURE 5 Number of Affiliation Agreements Utilizing Standard Template by Fiscal Year



While PHSA has 68 partnerships in place, 96% of student practice hours for FY 2018-19 were with ten (10) public institutions (see Figure 6). A detailed listing of student hours by institution and discipline can be found in Appendix D. It is important that PHSA continues to strengthen and evaluate its

relationships with academic partners. Note that student hours for UBC does not include medical student/resident placements.

FIGURE 6 Number of Student Hours by Top 10 Educational Institutions by Fiscal Year – All Disciplines

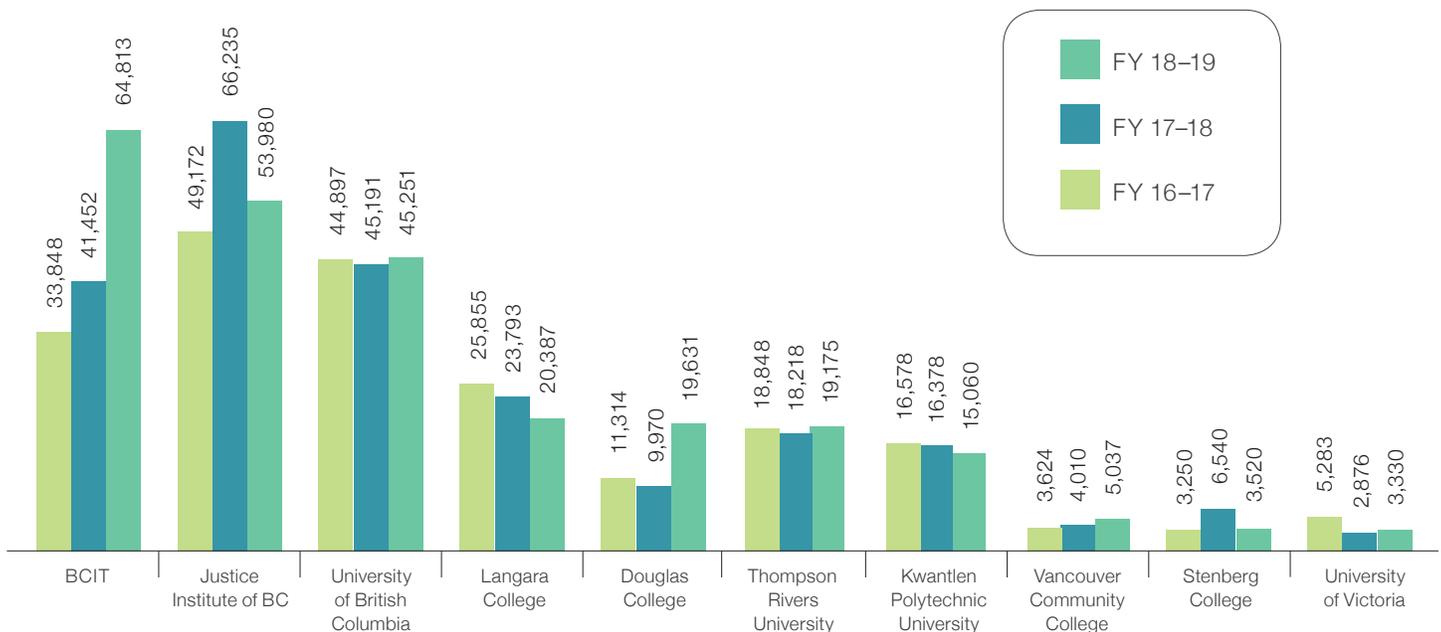


Table 8 details the total number of students for the top five educational institutions by discipline and sub-discipline by program. The numbers below exclude medical students, residents and paramedics. Site specific detail can be found in the applicable Program section.

TABLE 8 Number of Students by Top 5 Educational Institutions by Program – All Disciplines

Education Institution Discipline/ Sub-discipline	BC CANCER	BCCH	SunnyHill	BCMHSUS	BCW	BCCDC	PHSA	Grand Total
BCIT	56	107	3	2	134			302
Nursing	1	55	3	2	113			174
Bacc Nursing - BScN/BSN/BN	1	11	3	2	9			26
Post-RN Specialty		44			104			148
Technologist/ Technician	18	44			12			74
Clinical Genetics Technologist	1	5						6
Magnetic Resonance Imaging (MRI) Technology/ Technician		4						4
Medical Laboratory Technologist		10						10
Nuclear Medicine Tech	15	15						30
Perfusionist		2						2
Radiology Tech	2	7						9
Sonography Tech		1			12			13
Therapist	35							35
Radiation Therapist	35							35
Administration		5			9			14
Medical Office Assistant		5			9			14
Other Health	2	3						5
Biomedical Engineer	2	3						5
University of British Columbia	16	143	20	47	42	4		272
Nursing	3	52	9	38	31			133
Bacc Nursing - BScN/BSN/BN	3	51	9	38	30			131
Nurse Practitioner		1			1			2
Pharmacy	3	38		1				42
Pharmacist	3	38		1				42

TABLE 8 continued

Education Institution Discipline/ Sub-discipline	BC CANCER	BCCH	SunnyHill	BCMHSUS	BCW	BCCDC	PHSA	Grand Total
Rehabilitation Sciences		24	11	4	2			41
Audiologist		2						2
Occupational Therapist		6	5	4	1			16
Physiotherapist		15	6		1			22
Speech & Language Pathologist/ Communications		1						1
Food & Nutrition	9	15			2	1		27
Dietitian	9	15			2	1		27
Social Work	1	4		3	1			9
Bachelor of Social Work				1				1
Master of Social Work	1	4		2	1			8
Dental Medicine		9						9
Doctor of Dental Medicine		9						9
Other Health					6			6
Various - Multidisciplinary/ Interdisciplinary					6			6
Non-Health				1		3		4
Masters of Public Health				1		3		4
Psychology		1						1
Psychology (PHD)		1						1
Langara College	2	98	6	51	56			213
Nursing	2	98	6	51	41			198
Bacc Nursing - BScN/BSN/BN	2	98	6	51	41			198
Other Health					15			15
Therapeutic Touch Practitioner					15			15
Kwantlen Polytechnic University	4	62	4	48	21			139
Nursing	4	59	4	41	18			126
Bacc Nursing - BScN/ BSN/BN	4	54	4	28	18			108

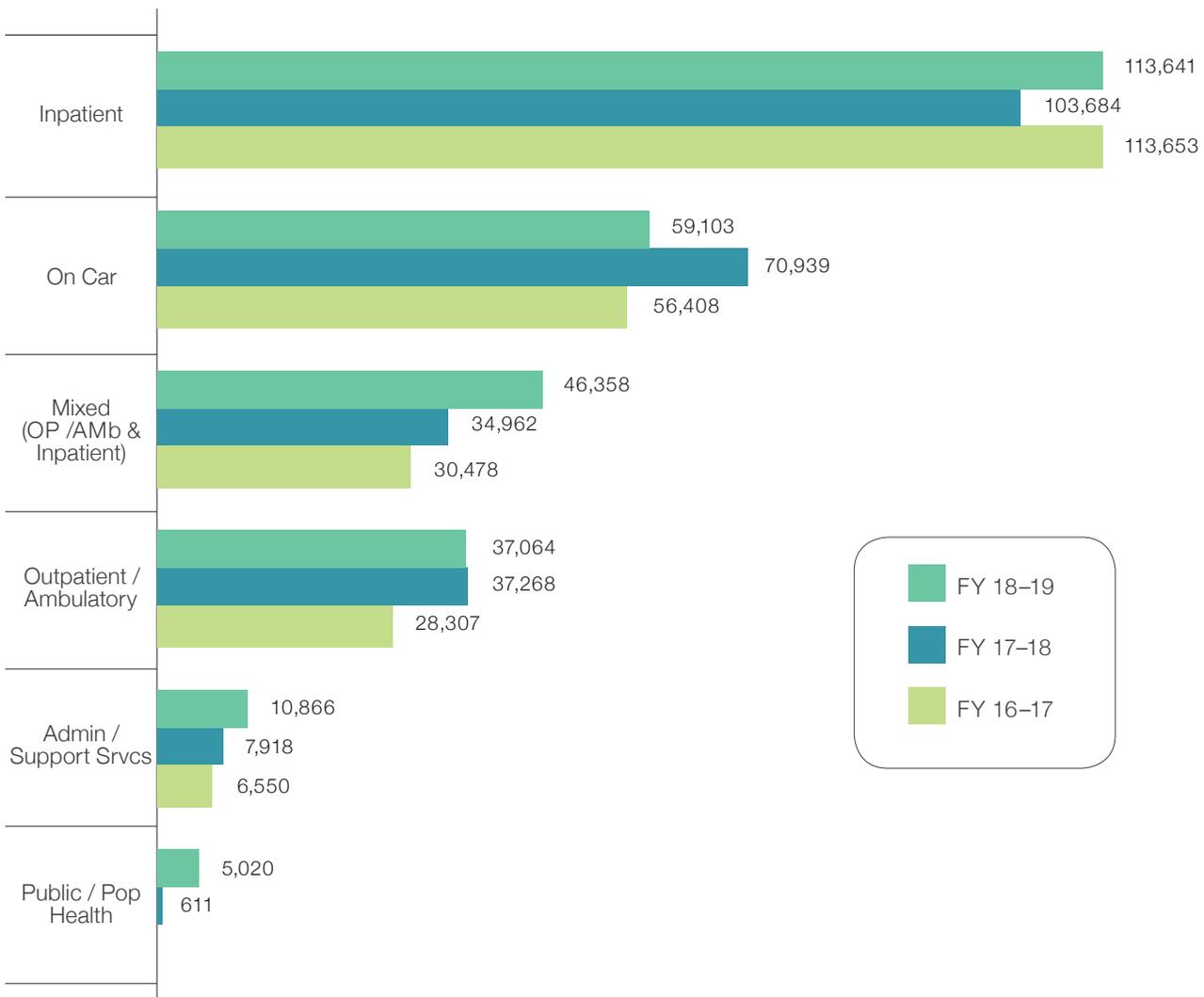
TABLE 8 continued

Education Institution Discipline/ Sub-discipline	BC CANCER	BCCH	SunnyHill	BCMHSUS	BCW	BCCDC	PHSA	Grand Total
Psychiatric Nursing Bacc - BScN/BN/ RPN Psych		5		12				17
Registered Nurse				1				1
Administration		3		7	3			13
Health Unit Coordinator/Nursing Unit Clerk		3		7	3			13
Douglas College	1	106	2	18		1	3	131
Nursing		99		13				112
Bacc Nursing - BScN/BSN/BN		92						92
Psychiatric Nursing Bacc - BScN/BN/ RPN Psych		7		12				19
Psychiatric Nursing Bacc - BScN/BN/ RPN Psych - Post Diploma				1				1
Non-Health	1	7				1	3	12
Health Information Management	1	7				1	3	12
Therapist			2	3				5
Recreation Therapist Degree			2	3				5
Social Work				2				2
Diploma of Social Work				2				2
GRAND TOTAL	79	516	35	166	253	5	3	1,057

Many of the services provided by PHSA programs are outpatient or ambulatory in nature and delivered by inter-professional teams. Accordingly, a goal for PHSA Student Education is to foster innovation in ambulatory care and inter-professional student education placements. See Figure 7 for the distribution of student hours by placement setting.

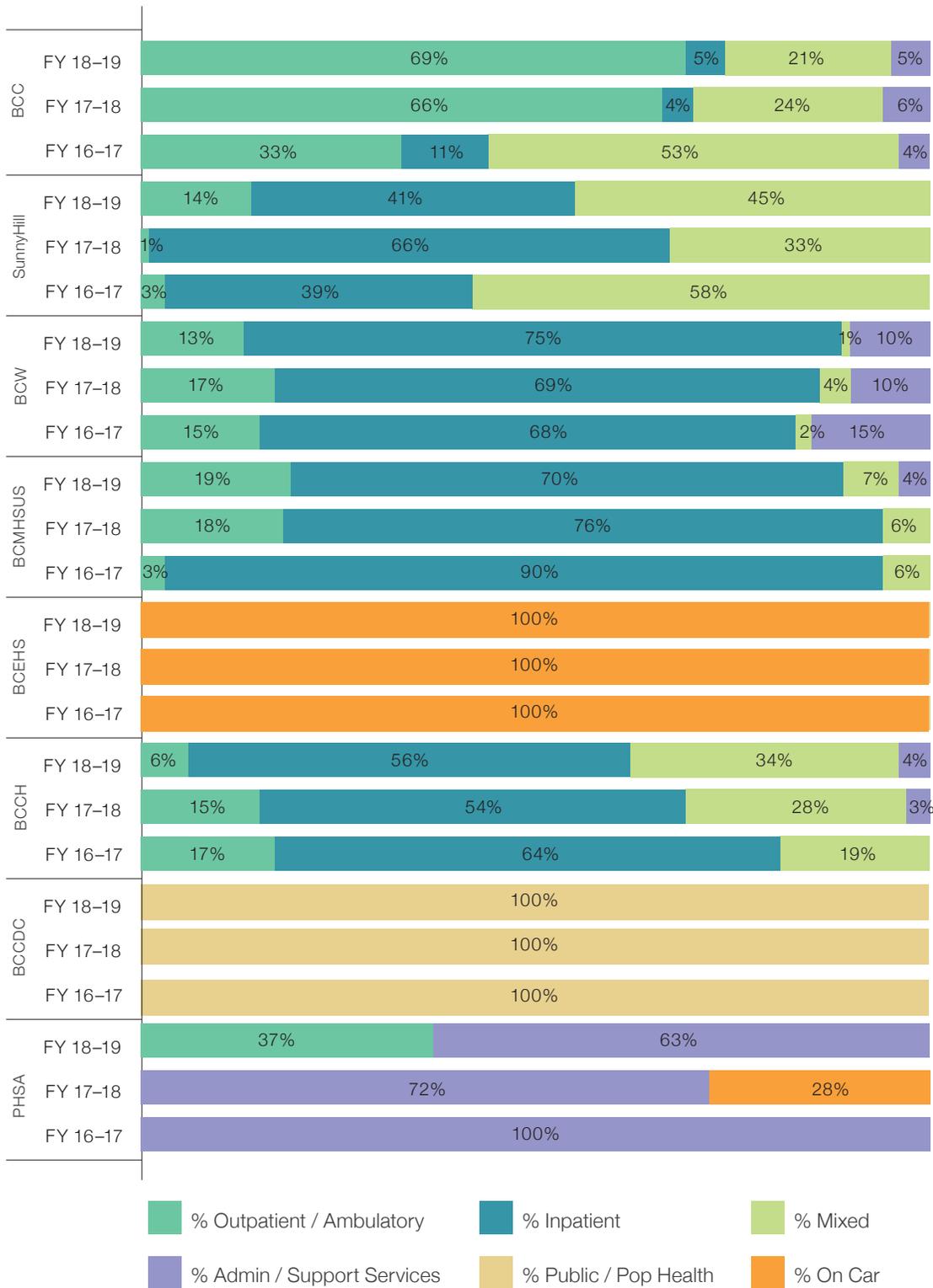
The increase in student hours in the practice setting of Mixed (Outpatient/Ambulatory and Inpatient) is related to the increase in pharmacy at BC Children’s Hospital, and radiation therapist student hours at the BC Cancer, Vancouver site. The increased hours in the practice setting of Admin/Support Services & Public and Population Health can be attributed to an increase in the Masters of Public Health student placements being entered into the Health Sciences Network Placement system (HSPnet) this fiscal year.

FIGURE 7 Distribution of Student Hours by Placement Setting by Fiscal Year



Practice setting is also influenced by the program mandate as can be seen in Figure 8. Please see glossary for definitions of practice settings.

FIGURE 8 Percent of Student Hours by Practice Setting by Agency by Fiscal Year



MONITOR THE QUALITY OF CLINICAL LEARNING ENVIRONMENT AND RESULTS

Teams, programs, health organizations, academic institutions, government partners and other stakeholders are all interested to know more about students' experiences while on their placements, in order to monitor the quality, make continuous improvements, and resolve any emerging issues. These diverse stakeholder groups all want to know this information without inundating students with multiple requests, and while effectively managing the privacy and confidentiality of students' responses.

Two surveys have been developed and revised through the Placements for Learners: Assessing Capacity and Effectiveness of Clinical Sites (PLACES) study, though have not launched in a comprehensive approach throughout PHSA or the province. The processes and approaches for gathering student feedback is varied across discipline, academic program and PHSA program and include online surveys, formal feedback, meetings and committees, as well as informal suggestions and comments.

There is interest across stakeholders in developing a more coordinated approach to gathering and evaluating students' experiences while on placements. Two current surveys underway at PHSA are embedded in the New Hire Orientation and in the Student Practice Core Orientation (SPECO).

Results from the New Hire Orientation Online Course on Learning Hub, which includes a survey of previous practice placement activities (see Appendix E) are for a second full fiscal year. A revised survey was implemented on January 15, 2019 with a new format to improve data quality. Combined results are shown in Table 9 and 10.

Out of the 2,488 respondents from April 1, 2018 – March 31, 2019, 20% or 504 had a placement at a PHSA site. See Table 9 for a breakdown of new hires by placement program that represent 85% of the total. The top three programs for new hires with a PHSA placement are Bachelor of Science in Nursing, Primary Care Paramedic, and Medical Lab Assistant.

TABLE 9 Number of New Hires by Placement Program for top 85%

Placement Program Name	Number of New hires with a PHSA Placement
Primary Care Paramedic	143
BSc Nursing	83
Medical Laboratory Assistant	71
Unspecified	34
Medical Laboratory Science	22
Nursing - unspecified	16
Unit Clerk	12
Medical Office Assistant	9
Bachelor of Psychiatric Nursing	8
Health Unit Coordinator	8
Emergency Medical Responder	7
Health Information Management	7
BSc, Dietetics	6
Master of Public Health	5

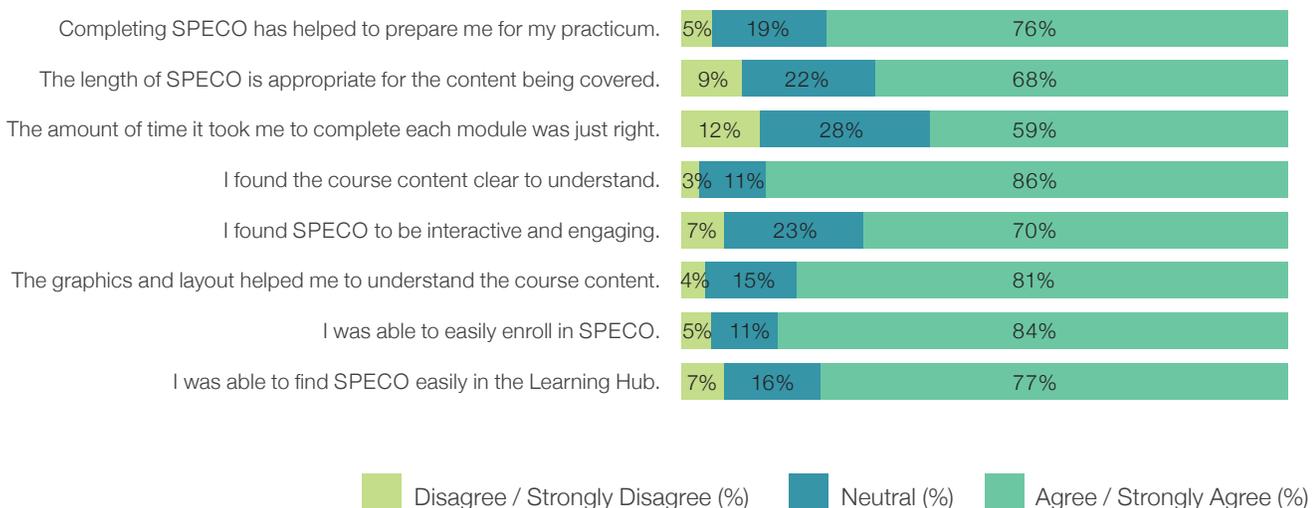
The top three educational institutions for new hires with a PHSA placement are JIBC, BCIT, and UBC. See Table 10 for a breakdown of new hires with a practice placement by educational institution for all institutions with over 5 placements. Of note is the large percentage (11%) of respondents that did not specify an educational institution.

SPECO (Student Practice Education Core Orientation) is an online core orientation for all students and faculty who are accessing any BC health authority for practice education experiences. It is a resource to meet the safety training requirements as identified by WorkSafe BC. It includes modules on Privacy, Safety at Work, Musculoskeletal Injury Prevention (MSIP), Violence Prevention, Code Red, Hand Hygiene Basics, Infection Prevention and Control Practices, Waste Management Basics, and Workplace Hazardous Materials Information System (WHIMIS 2015). An online survey of the SPECO curriculum was launched in January 2019. Respondents are asked to rate their satisfaction with the process at the completion of the course. See Figure 9 for summary responses from the 4,241 respondents.

TABLE 10 Number of PHSA Placements by Educational Institution for New Hires

Educational Institution	Number of New Hires with a PHSA Placement
JIBC	144
BCIT	73
Unspecified	53
UBC	51
Douglas College	26
Langara College	25
Stenberg College	21
Kwantlen Polytechnic University	20
Vancouver Community College	19
West Coast College of Health Care	18
SFU	11
University of Victoria	8
Academy of Emergency Training	6
Thompson Rivers University	6
University of the Fraser Valley	5

FIGURE 9 SPECO Satisfaction Survey Results – Jan – June 30, 2019



Data from the above tools, and HR data are intended to inform Student Education planning, decision making and assessment of the student education progress and impact.

BC CANCER

BUILD STUDENT EDUCATION CAPACITY



Placement Activity

In FY 18-19, BC Cancer provided 26,241 student hours (excluding medical students) of which all were one-to-one preceptorships (supervised by a PHSA preceptor/employee).

Nursing placements represent 10% of total student hours in FY 18-19. A breakdown of student hours and students by site, discipline, sub-discipline and fiscal year can be found in Table 11.

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

Discipline/Sub-discipline	FY 16-17		FY 17-18		FY 18-19	
	Total Student Hours	Total # of Students	Total Student Hours	Total # of Students	Total Student Hours	Total # of Students
BCC-Van	5,669	44	9,505	62	14,733	71
Therapist	160	4	2,442	9	6,750	16
Radiation Therapist	160	4	2,442	9	5,900	14
Art Therapist					850	2
Nursing	1,601	9	2,893	22	2,550	11
Bacc Nursing - BScN/BSN/BN	600	3	2,722	20	2,550	11
Nurse Practitioner	1,001	6	171	2		
Technologist/Technician	2,428	20	1,310	11	2,258	22
Nuclear Medicine Tech	1,200	15	560	8	1,200	15
Clinical Genetics Technologist	900	2	450	1	450	1
Medical Laboratory Assistant	300	2	300	2	600	4
Radiology Tech	28	1			8	2
Food & Nutrition	1,360	10	1,760	10	1,160	9
Dietitian	1,360	10	1,760	10	1,160	9
Administration	120	1	1,100	10	580	6
Health Unit Coordinator/Nursing Unit Clerk			1,100	10	580	6
Unit Clerk	120	1				
Pharmacy					630	4
Pharmacist					480	3
Pharmacy Technician					150	1
Social Work					450	1
Master of Social Work					450	1
Non-Health					180	1
Health Information Management					180	1
Other Health					175	1
Biomedical Engineer					175	1

TABLE 11 continued

Discipline/Sub-discipline	FY 16-17		FY 17-18		FY 18-19	
	Total Student Hours	Total # of Students	Total Student Hours	Total # of Students	Total Student Hours	Total # of Students
BCC-Surrey	760	5	2,602	9	5,035	12
Therapist	160	4	2,378	7	5,035	12
Radiation Therapist	160	4	2,378	7	5,035	12
Nursing	600	1	224	2		
Bacc Nursing - BScN/BSN/BN	600	1	216	1		
Nurse Practitioner			8	1		
BCC-Abbot	160	1	1,414	6	3,198	6
Therapist			814	3	3,038	5
Radiation Therapist			814	3	3,038	5
Pharmacy	160	1	320	2	160	1
Pharmacist	160	1	320	2		
Pharmacy Technician					160	1
Nursing			280	1		
Nurse Practitioner			280	1		
BCC-Vic	2,592	8	2,139	9	2,525	5
Therapist			750	1	2,250	3
Radiation Therapist			750	1	2,250	3
Nursing	1,792	6	854	4	100	1
Bacc Nursing - BScN/BSN/BN	1,536	4	854	4		
Nurse Practitioner	256	2			100	1
Psychology	800	2				
Counselling Psychology	800	2				
Administration			375	3		
Health Unit Coordinator/Nursing Unit Clerk			375	3		
Other Health					175	1
Biomedical Engineer					175	1
Pharmacy			160	1		
Pharmacist			160	1		
BCC-PG	160	1	560	4	750	1
Therapist					750	1
Radiation Therapist					750	1
Pharmacy	160	1	480	3		
Pharmacist	160	1	320	2		
Pharmacy Technician			160	1		
Nursing			80	1		
Nurse Practitioner			80	1		

TABLE 11 continued

Discipline/Sub-discipline	FY 16-17		FY 17-18		FY 18-19	
	Total Student Hours	Total # of Students	Total Student Hours	Total # of Students	Total Student Hours	Total # of Students
BCC-Kel	360	3	925	4		
Nursing	360	3	475	3		
Bacc Nursing - BScN/BSN/BN	360	3	400	2		
Nurse Practitioner			75	1		
Social Work			450	1		
Master of Social Work			450	1		
GRAND TOTAL	9,701	62	17,145	94	26,241	95

The Medical Doctor Undergraduate Program (MDUG) had a total of 126 distinct students, representing 235 placements and 2,662 days, arriving at BC Cancer facilities from April 1, 2018 – March 31, 2019. 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

Site/Specialty	# of Distinct Students	# of Placements	Total # of Days
BC CANCER-Vancouver	46	86	1,085
Oncology	34	47	609
Radiation Oncology	9	17	217
Internal Medicine	15	17	182
Orthopedics	3	5	77
BC CANCER-Surrey	52	79	819
Radiation Oncology	42	62	651
Medical Oncology	10	17	168
BC CANCER-Victoria	16	28	309
Radiation Oncology	8	16	161
Medical Oncology	7	11	133
Gynecological Oncology	1	1	15
BC CANCER-Prince George	13	20	218
Radiation Oncology	13	20	218
BC CANCER-Abbotsford	10	16	161
Radiation Oncology	10	16	161
BC CANCER-Kelowna	4	6	70
Radiation Oncology	4	6	70
GRAND TOTAL	126	235	2,662

The Post Graduate Medical Education program (PGME) had a total of 198 distinct students, representing 638 placements and 17,776 days, arriving at BC Cancer facilities from April 1, 2018 – March 31, 2019. 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

Site/Specialty	# of Distinct Students	# of Placements	Total # of Days
BC CANCER-Vancouver	186	608	17,026
Oncology	72	230	6,402
Radiation Oncology	38	108	2,969
Psychiatry	17	65	1,974
Pathology	29	62	1,720
Orthopedics	12	41	1,148
General Survey	15	32	896
Palliative	12	27	714
Neurology	9	17	475
Dermatology	7	15	420
ObGyn	5	10	280
Gastroenterology	1	1	28
BC CANCER-Victoria	11	14	351
Radiation Oncology	4	4	99
Medical Oncology	4	4	98
Gynecological Oncology	3	3	70
Hematology	2	2	56
Palliative	1	1	28
BC CANCER-Surrey	7	9	224
Medical Oncology	5	5	126
Radiation Oncology	3	4	98
BC CANCER-Abbotsford	4	4	117
Geriatric Psychiatry	2	2	61
Radiation Oncology	2	2	56
BC CANCER-Kelowna	2	3	58
Medical Oncology	2	3	58
GRAND TOTAL	198	638	17,776

In FY 2018-19, BC Cancer declined a total of 19 placement requests representing 19 students and 3,358 hours. Top reasons for these declines for all sites are shown in Table 14. The top discipline declined is nursing placements. See Appendix B for all PHSA declines by discipline, program and reason for FY 18-19.

TABLE 14 # of Students and hours by Discipline, Site and Reasons for Placement Decline for Fiscal Year

Discipline	Site	Reason	Count of Reason	Sum of # Students	Sum of Student Hrs
Nursing	BC CANCER Vancouver	Conflicts with other requests	2	2	660
		Too many students on unit/program	1	1	312
		Other / special reason (use ONLY if no other reason applies)	1	1	280
		Student not suitable for area requested	2	2	196
		Request not suitable for area requested	1	1	96
	BC CANCER Abbotsford	Unit workload	3	3	288
		Other / special reason (use ONLY if no other reason applies)	1	1	96
	BC CANCER Kelowna	Request not suitable for area requested	4	4	72
	BC CANCER Victoria	Unit workload	2	2	768
	BC CANCER Surrey	Unit workload	1	1	240
Nursing Total			18	18	3,008
Social Work	BC CANCER Kelowna	No supervisor / preceptor is available	1	1	350
Social Work Total			1	1	350
GRAND TOTAL			19	19	3,358

Table 15 shows the estimated cost of staff time by discipline and sub-discipline for FY 18-19. Excluded from this table is estimated cost related to medical students.

TABLE 15 Estimated Cost of PHS Preceptor Time by Discipline, Sub-discipline and Encounter Type for Fiscal Year

Discipline	Sub-discipline	Group Cost	One to One Cost	Total Cost
Therapist	Art Therapist	\$ -	\$11,333	\$11,333
	Radiation Therapist	\$ -	\$226,300	\$226,300
Nursing	Bacc Nursing - BScN/ BSN/BN	\$ -	\$42,500	\$42,500
	Nurse Practitioner	\$ -	\$1,667	\$1,667
Technologist/Technician	Clinical Genetics Technologist	\$ -	\$6,000	\$6,000
	Medical Laboratory Assistant	\$ -	\$8,000	\$8,000
	Nuclear Medicine Tech	\$ -	\$16,000	\$16,000
	Radiology Tech	\$ -	\$107	\$107
Food & Nutrition	Dietitian	\$ -	\$19,333	\$19,333
Pharmacy	Pharmacist	\$ -	\$8,000	\$8,000
	Pharmacy Technician	\$ -	\$5,167	\$5,167
Administration	Health Unit Coordinator/ Nursing Unit Clerk	\$ -	\$7,733	\$7,733
Social Work	Master of Social Work	\$ -	\$7,500	\$7,500
Other Health	Biomedical Engineer	\$ -	\$5,833	\$5,833
Non-Health	Health Information Management	\$ -	\$2,400	\$2,400
GRAND TOTAL		\$ -	\$ 367,873	\$ 367,873

BUILD EFFECTIVE PARTNERSHIPS AND COLLABORATIONS THAT SUPPORT INNOVATION

Table 16 shows the distribution of student hours by Educational Institution and sub-discipline by fiscal year. Of the 9 Educational Institutions with an active placement in FY 18-19, the top three, BCIT, UBC and VCC represent 91% of all student hours.

TABLE 16 Distribution of Student Placements by Educational Institution, Discipline, Sub-discipline by Fiscal Year

Educational Institution	Sub-Discipline	FY 16-17	FY 17-18	FY 18-19
BCIT		2,448	7,694	19,281
	Bacc Nursing - BScN/BSN/BN		300	300
	Nuclear Medicine Tech	1,200	560	1,200
	Radiology Tech	28		8
	Radiation Therapist	320	6,384	16,973
	Clinical Genetics Technologist	900	450	450
	Biomedical Engineer			350
University of British Columbia		2,656	4,126	3,026
	Bacc Nursing - BScN/BSN/BN	600	1,190	936
	Dietitian	1,360	1,760	1,160
	Nurse Practitioner	376	376	
	Pharmacist	320	800	480
	Master of Social Work			450
Vancouver Community College		300	920	1,540
	Bacc Nursing - BScN/BSN/BN			360
	Medical Laboratory Assistant	300	300	600
	Health Unit Coordinator/ Nursing Unit Clerk		620	580
Vancouver Art Therapy Institute				850
	Art Therapist			850
Kwantlen Polytechnic University			192	594
	Bacc Nursing - BScN/BSN/BN		192	594
Langara College		360	1,440	360
	Bacc Nursing - BScN/BSN/BN	360	1,440	360
	Pharmacy Technician			310

TABLE 16 continued

Educational Institution	Sub-Discipline	FY 16-17	FY 17-18	FY 18-19
Douglas College				180
	Health Information Management			180
University of Victoria		3,217	1,092	100
	Bacc Nursing - BScN/BSN/BN	1,536	854	
	Nurse Practitioner	881	238	100
	Counselling Psychology	800		
University of British Columbia - Okanagan			450	
	Master of Social Work		450	
Thompson Rivers University			216	
	Bacc Nursing - BScN/BSN/BN		216	
Vancouver Island University		600		
	Bacc Nursing - BScN/BSN/BN	600		
Camosun College			375	
	Health Unit Coordinator/ Nursing Unit Clerk		375	
Stenberg College		120	640	
	Unit Clerk	120		
	Pharmacy Technician		160	
	Health Unit Coordinator/ Nursing Unit Clerk		480	
GRAND TOTAL		9,701	17,145	26,241

BC CHILDREN'S HOSPITAL AND SUNNYHILL HEALTH CENTRE (BCCH)



BUILD STUDENT EDUCATION CAPACITY

Placement Activity

In FY 18-19, BC Children's and SunnyHill Health Centre provided 110,979 student hours (excluding medical students) of which 82% were one-to-one preceptorships (supervised by a PHSA preceptor/employee) and 18% were group placements (supervised

by an instructor provided by the educational institution). Nursing placements represent 45% of total student hours in FY 18-19. A breakdown of student hours and students by site, discipline, sub-discipline and fiscal year can be found in Table 17.

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

Discipline/Sub-discipline	FY 16-17		FY 17-18		FY 18-19	
	Total Student Hours	Total # of Students	Total Student Hours	Total # of Students	Total Student Hours	Total # of Students
BCCH	110,542	718	91,497	612	103,766	643
Nursing	60,158	509	47,840	416	47,231	391
Bacc Nursing - BScN/BSN/BN	56,177	483	42,813	380	39,188	325
Post-RN Specialty	1,104	8	1,869	19	4,450	44
Psychiatric Nursing Bacc - BScN/BN/RPN Psych	1,620	6	1,780	7	2,824	12
Nurse Practitioner	997	9	959	9	769	10
Post-LPN/RPN Specialty			420	1		
Bacc Nursing - Post Diploma BSN/BN	156	1				
Nursing - Masters	104	2				
Therapist	19,470	77	17,150	70	17,395	71
Respiratory Therapist	18,620	76	17,150	70	17,395	71
Music Therapist	850	1				
Technologist/Technician	13,028	43	12,299	27	16,417	47
Medical Laboratory Technologist	6,860	10	8,075	10	8,250	10
Radiology Tech	2,628	6	2,732	7	3,042	7
Clinical Genetics Technologist	1,180	4			1,730	5
Nuclear Medicine Tech	1,120	14	480	7	1,200	15
MRI Technology/Technician			640	1	1,120	4
Medical Laboratory Assistant	700	5	120	1	430	3

TABLE 17 continued

Discipline/Sub-discipline	FY 16-17		FY 17-18		FY 18-19	
	Total Student Hours	Total # of Students	Total Student Hours	Total # of Students	Total Student Hours	Total # of Students
Perfusionist	540	4			225	2
Sonography Tech			252	1	420	1
Pharmacy	3,340	21	4,540	33	8,780	43
Pharmacist	3,040	19	4,240	31	8,000	38
Pharmacy Technician	300	2	300	2	780	5
Rehabilitation Sciences	4,318	25	4,316	32	3,882	25
Physiotherapist	1,864	14	2,096	22	2,044	15
Occupational Therapist	2,238	10	1,788	8	1,382	6
Audiologist	216	1			248	2
Rehabilitation Assistant			144	1	180	1
Speech & Language Pathologist/ Communications			288	1	29	1
Psychology	5,100	5	550	2	1,778	6
Psychology (PHD)	3,900	2			128	2
Psychology (Masters)			450	1	1,650	4
Counselling Psychology	1,200	3	100	1		
Administration	2,048	17	2,200	19	1,780	17
Clerical - General	1,320	11	1,080	9	480	4
Medical Office Assistant	100	1	640	6	700	8
Health Unit Coordinator/Nursing Unit Clerk			480	4	600	5
Unit Clerk	628	5				
Social Work	1,336	4	1,800	4	2,862	6
Master of Social Work	900	2	1,800	4	2,262	5
Child and Youth Care Worker	436	2			600	1
Food & Nutrition	1,024	13	576	7	1,392	15
Dietitian	1,024	13	576	7	1,392	15
Non-Health	720	4	226	2	1,618	9
Health Information Management	720	4			1,260	7
Bachelor of Science			184	1	320	1
Bachelor of Arts			42	1		
Masters of Public Health					38	1
Other Health					560	4
Biomedical Engineer					525	3
Other Health					35	1
Dental Medicine					72	9
Doctor of Dental Medicine					72	9

TABLE 17 continued

Discipline/Sub-discipline	FY 16-17		FY 17-18		FY 18-19	
	Total Student Hours	Total # of Students	Total Student Hours	Total # of Students	Total Student Hours	Total # of Students
SunnyHill	4,192	58	7,392	86	7,213	38
Nursing	1,482	21	5,066	77	3,132	22
Bacc Nursing - BScN/BSN/BN	1,482	21	5,066	77	3,132	22
Rehabilitation Sciences	2,150	36	1,766	8	2,121	12
Occupational Therapist	888	29	713	3	801	5
Physiotherapist	720	4	540	3	1,080	6
Rehabilitation Assistant	225	1	225	1	240	1
Speech & Language Pathologist/ Communications	317	2	288	1		
Therapist	560	1	560	1	1,120	2
Recreation Therapist Degree	560	1	560	1	1,120	2
Non-Health					840	2
Masters of Public Health					840	2
GRAND TOTAL	114,734	776	98,889	698	110,979	681

The Medical Doctor Undergraduate Program (MDUG) had a total of 412 distinct students, representing 1,574 placements and 24,515 days, arriving at BC Children's Hospital and Sunny Hill Health Centre facilities from April 1, 2018 – March 31, 2019. 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

Site/Specialty	# of Distinct Students	# of Placements	Total # of Days
BCCH Total	412	1,573	24,514
Pediatrics	233	413	10,051
Psychiatry	135	339	6,132
Ophthalmology	197	229	1,673
Anesthesiology	109	180	1,612
Emergency	83	106	1,300
Cardiology	47	61	773
Neurology - Pediatric	50	59	647
Otolaryngology	22	34	343
Urology	20	32	315
Orthopedic Surgery	13	22	245
Medical Biochemistry	11	15	203
ObGyn	4	7	196
Dermatology	10	13	168
Endocrinology	7	10	155
Pathology	7	10	154
Infectious Disease	5	9	133
Plastic Surgery	7	9	98
Medical Genetics	4	7	91
Cardiac Surgery	4	5	70
Gastroenterology	3	5	57
Diagnostic Radiology	3	4	42
Rheumatology	1	2	42
Critical Care	2	2	14
SunnyHill Total	1	1	1
Developmental Pediatrics	1	1	1
GRAND TOTAL	412	1,574	24,515

The Post Graduate Medical Education program (PGME) had a total of 602 distinct students, representing 2,268 placements and 64,029 days, arriving at BC Children's Hospital and Sunny Hill Health Centre facilities from April 1, 2018 – March 31, 2019. 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

Site/Specialty	# of Distinct Students	# of Placements	Total # of Days
BCCH Total	601	2,239	63,213
Pediatrics	210	760	19,411
Emergency	178	251	7,992
Psychiatry	57	241	7,527
Critical Care	56	100	3,466
Neurology - Pediatric	55	134	3,336
ObGyn	54	112	3,136
Anesthesiology	40	80	2,238
Endocrinology	36	79	2,212
Rheumatology	19	64	1,831
Ophthalmology	26	43	1,827
Cardiology	27	47	1,327
Otolaryngology	13	46	1,261
Medical Biochemistry	20	35	950
Infectious Disease	22	34	920
Orthopedic Surgery	12	33	903
Urology	19	30	842
Dermatology	25	36	838
Gastroenterology	16	18	504
Neurosurgery	6	17	478
Family Medicine	4	11	462
Medical Genetics	15	19	423
Plastic Surgery	7	13	365
Diagnostic Radiology	11	12	314
Cardiac Surgery	2	6	167
Neuropathology	4	4	112
Internal Medicine	1	4	105
Neuroradiology	3	3	84
Geriatric Medicine	2	3	84
Physical Medicine & Rehabilitation	1	3	84
Pathology	1	1	14

TABLE 19 continued

Site/Specialty	# of Distinct Students	# of Placements	Total # of Days
SunnyHill Total	24	29	816
Developmental Pediatrics	22	25	704
Physical Medicine & Rehabilitation	2	4	112
GRAND TOTAL	602	2,268	64,029

In FY 2018-19, BCCH's declined a total of 74 placement requests representing 68 students and 13,962 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 disciplines are shown in Table 20. The top discipline declined is nursing placements. See Appendix B for all PHSA declines by discipline, program and reason for FY 18-19.

TABLE 20 # of Students and hours by Discipline, Site and Reasons for Placement Decline for Fiscal Year

Discipline	Site		Count of Reason	Sum of # Students	Sum of Student Hrs
Nursing Total			55	61	11,435
Nursing	BCCH	Too many students on unit/program	19	21	3,343
		Other / special reason (use ONLY if no other reason applies)	7	7	2,220
		Student not suitable for area requested	5	5	1,627
		No supervisor / preceptor is available	8	8	1,335
		Unit workload	7	11	1,292
		Request not suitable for area requested	6	6	925
		Destination is closed during placement period	1	1	95
	SunnyHill	Too many students on unit/program	2	2	599
Administration Total			6	6	700
Administration	BCCH	Unit workload	2	2	240
		No supervisor / preceptor is available	2	2	240
		No Reply from RA (for PC users)	1	1	120
		Other / special reason (use ONLY if no other reason applies)	1	1	100
Social Work Total			2	2	572
Social Work	BCCH	Request not suitable for area requested	1	1	286
		No supervisor / preceptor is available	1	1	286

TABLE 20 continued

Discipline	Site		Count of Reason	Sum of # Students	Sum of Student Hrs
Rehabilitation Sciences Total			2	2	450
Rehabilitation Sciences	BCCH	Too many students on unit/program	1	1	225
	SunnyHill	Too many students on unit/program	1	1	225
Other Health Total			1	1	455
Other Health	PerinatalS	Service has changed (see Comments)	1	1	455
Therapist Total			1	1	200
Therapist	BCCH	Alternate location identified by RA (new PR created)	1	1	200
Technologist/ Technician Total			1	1	150
Technologist/ Technician	BCCH	No supervisor / preceptor is available	1	1	150
GRAND TOTAL			68	74	13,962

Table 21 shows the estimated cost of staff time by discipline and sub-discipline for FY 18-19. Excluded from this table is estimated cost related to medical students.

TABLE 21 Estimated Cost of PHSA Preceptor Time by Discipline and Encounter Type in Fiscal Year 2018-19

Discipline	Sub-discipline	Group Cost	One to One Cost	Total Cost
Nursing	Bacc Nursing - BScN/BSN/BN	\$47,118	\$391,217	\$438,334
	Nurse Practitioner	\$ -	\$12,817	\$12,817
	Post-RN Specialty	\$2,625	\$56,667	\$59,292
	Psychiatric Nursing Bacc - BScN/BN/RPN Psych	\$ -	\$47,058	\$47,058
Therapist	Recreation Therapist Degree	\$ -	\$14,933	\$14,933
	Respiratory Therapist	\$ -	\$231,933	\$231,933
Technologist/ Technician	Clinical Genetics Technologist	\$ -	\$23,067	\$23,067
	Magnetic Resonance Imaging (MRI) Technology/Technician	\$ -	\$14,933	\$14,933
	Medical Laboratory Assistant	\$ -	\$5,733	\$5,733
	Medical Laboratory Technologist	\$ -	\$110,000	\$110,000

TABLE 21 continued

Discipline	Sub-discipline	Group Cost	One to One Cost	Total Cost
	Nuclear Medicine Tech	\$ -	\$16,000	\$16,000
	Perfusionist	\$ -	\$3,000	\$3,000
	Radiology Tech	\$ -	\$40,560	\$40,560
	Sonography Tech	\$ -	\$5,600	\$5,600
Pharmacy	Pharmacist	\$ -	\$133,333	\$133,333
	Pharmacy Technician	\$ -	\$13,000	\$13,000
Rehabilitation Sciences	Audiologist	\$ -	\$4,133	\$4,133
	Occupational Therapist	\$ -	\$36,375	\$36,375
	Physiotherapist	\$ -	\$52,067	\$52,067
	Rehabilitation Assistant	\$ -	\$7,000	\$7,000
	Speech & Language Pathologist/ Communications	\$ -	\$480	\$480
Social Work	Child and Youth Care Worker	\$ -	\$10,000	\$10,000
	Master of Social Work	\$ -	\$37,700	\$37,700
Non-Health	Bachelor of Science	\$ -	\$4,267	\$4,267
	Health Information Management	\$ -	\$16,800	\$16,800
	Masters of Public Health	\$ -	\$11,700	\$11,700
Administration	Clerical - General	\$ -	\$6,400	\$6,400
	Health Unit Coordinator/Nursing Unit Clerk	\$ -	\$8,000	\$8,000
	Medical Office Assistant	\$ -	\$9,333	\$9,333
Psychology	Psychology (Masters)	\$ -	\$27,500	\$27,500
	Psychology (PHD)	\$ -	\$2,133	\$2,133
Food & Nutrition	Dietitian	\$ -	\$23,200	\$23,200
Other Health	Biomedical Engineer	\$ -	\$8,750	\$8,750
	Other Health	\$ -	\$583	\$583
Dental Medicine	Doctor of Dental Medicine	\$ -	\$1,200	\$1,200
GRAND TOTAL		\$49,743	\$1,387,473	\$1,437,216

BUILD EFFECTIVE PARTNERSHIPS AND COLLABORATIONS THAT SUPPORT INNOVATION

Table 22 shows the distribution of student hours by Educational Institution and sub-discipline by fiscal year. Of the 21 Educational Institutions with an active placement in FY 18-19, the top three, UBC, BCIT, Thompson Rivers University represent 62% of all student hours.

TABLE 22 Distribution of Student Placements by Educational Institution, Discipline, Sub-discipline by Fiscal Year

Educational Institution	Sub-Discipline	FY 16-17	FY 17-18	FY 18-19
University of British Columbia		33,323	29,473	25,859
	Bacc Nursing - BScN/BSN/BN	20,854	16,740	8,816
	Pharmacist	3,040	4,240	8,000
	Physiotherapist	2,584	2,636	3,124
	Occupational Therapist	3,126	2,501	2,183
	Master of Social Work	900	1,800	1,800
	Dietitian	1,024	576	1,392
	Audiologist	216		248
	Psychology (PHD)			100
	Nurse Practitioner	512	304	96
	Doctor of Dental Medicine			72
	Speech & Language Pathologist/Communications	317	576	29
	Counselling Psychology	750	100	
BCIT		19,432	17,608	25,562
	Medical Laboratory Technologist	6,860	8,075	8,250
	Post-RN Specialty	1,104	1,869	4,450
	Bacc Nursing - BScN/BSN/BN	6,000	4,200	4,200
	Radiology Tech	2,628	2,732	3,042
	Clinical Genetics Technologist	1,180		1,730
	Nuclear Medicine Tech	1,120	480	1,200
	Magnetic Resonance Imaging (MRI) Technology/Technician			1,120
	Biomedical Engineer			525
	Sonography Tech		252	420
	Medical Office Assistant			400
	Perfusionist	540		225
Thompson Rivers University		18,848	17,150	17,827
	Respiratory Therapist	18,620	17,150	17,395
	Bacc Nursing - BScN/BSN/BN	228		432
Douglas College		9,107	7,973	13,988
	Bacc Nursing - BScN/BSN/BN	7,467	7,413	9,884
	Psychiatric Nursing Bacc - BScN/BN/RPN Psych	360		1,724

TABLE 22 continued

Educational Institution	Sub-Discipline	FY 16-17	FY 17-18	FY 18-19
	Health Information Management	720		1,260
	Recreation Therapist Degree	560	560	1,120
Langara College		11,716	9,772	10,019
	Bacc Nursing - BScN/BSN/BN	11,716	9,772	10,019
Kwantlen Polytechnic University		10,158	9,110	7,730
	Bacc Nursing - BScN/BSN/BN	8,570	7,090	6,270
	Psychiatric Nursing Bacc - BScN/BN/RPN Psych	1,260	1,780	1,100
	Health Unit Coordinator/Nursing Unit Clerk		240	360
	Unit Clerk	328		
Simon Fraser University		2,400	450	2,490
	Psychology (Masters)		450	1,650
	Masters of Public Health			840
	Psychology (PHD)	1,950		
	Counselling Psychology	450		
Trinity Western Univeristy		2,304	2,664	2,304
	Bacc Nursing - BScN/BSN/BN	2,304	2,664	2,304
Stenberg College		1,600	1,320	1,360
	Clerical - General	1,320	1,080	480
	Pharmacy Technician			480
	Health Unit Coordinator/Nursing Unit Clerk		240	240
	Medical Laboratory Assistant	160		160
	Unit Clerk	120		
University of Victoria		1,031	435	938
	Nurse Practitioner	335	435	543
	Bacc Nursing - BScN/BSN/BN			395
	Bacc Nursing - Post Diploma BSN/BN	156		
	Child and Youth Care Worker	436		
	Nursing - Masters	104		
University of the Fraser Valley				600
	Child and Youth Care Worker			600
Vancouver Community College		1,095	765	540
	Pharmacy Technician	300	300	300
	Rehabilitation Assistant	225	225	240
	Medical Laboratory Assistant	150		
	Medical Office Assistant		240	
	Bacc Nursing - BScN/BSN/BN	240		
	Unit Clerk	180		

TABLE 22 continued

Educational Institution	Sub-Discipline	FY 16-17	FY 17-18	FY 18-19
Renison University College				462
	Master of Social Work			462
McGill University			184	320
	Bachelor of Science		184	320
School District 41 - Burnaby		100	400	300
	Medical Office Assistant	100	400	300
Okanagan College			144	180
	Rehabilitation Assistant		144	180
West Coast College of Health Care		150		150
	Medical Laboratory Assistant	150		150
Athabasca University		150	140	130
	Nurse Practitioner	150	140	130
CDI College		240	120	120
	Medical Laboratory Assistant	240	120	120
University of Waterloo		1,950		66
	Masters of Public Health			38
	Psychology (PHD)	1,950		28
Dalhousie University			42	35
	Other Health			35
	Bachelor of Arts		42	
Northern Alberta Institute of Technology		640		
	Magnetic Resonance Imaging (MRI) Technology/ Technician	640		
University of Toronto			80	
	Nurse Practitioner		80	
MacEwan University			420	
	Post-LPN/RPN Specialty		420	
North Island College		280		
	Bacc Nursing - BScN/BSN/BN	280		
Capilano University		850		
	Music Therapist	850		
GRAND TOTAL		114,734	98,889	110,979

BC WOMEN'S HOSPITAL & HEALTH CENTRE (BCW)

BUILD STUDENT EDUCATION CAPACITY

Placement Activity

In FY 18-19, BCW provided 34,418 student hours (excluding medical students) of which 63% were one-to-one preceptorships (supervised by a PHSA preceptor/employee) and 37% were group placements (supervised by an instructor provided by the educational institution). Nursing placements represent 78% of total

student hours in FY 18-19. A breakdown of student hours and students by site, discipline, sub-discipline and fiscal year can be found in Table 23.

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

Discipline/Sub-discipline	FY 16-17		FY 17-18		FY 18-19	
	Total Student Hours	Total # of Students	Total Student Hours	Total # of Students	Total Student Hours	Total # of Students
BCW	36,795	343	38,029	282	38,418	319
Nursing	28,291	207	29,382	212	30,034	234
Bacc Nursing - BScN/BSN/BN	21,145	156	18,767	143	15,942	122
Post-RN Specialty	6,360	45	9,624	61	13,364	104
Nurse Practitioner	578	4	913	7	624	7
Nursing - Masters	208	2			104	1
Bacc Nursing - Post Diploma BSN/BN			78	1		
Technologist/Technician	2,660	12	2,310	10	2,730	12
Sonography Tech	2,660	12	2,310	10	2,730	12
Non-Health	1,860	5	2,190	6	1,905	5
Masters of Public Health	1,680	4	2,190	6	1,680	4
Health Information Management	180	1			225	1
Administration	1,130	10	1,168	10	2,084	21
Health Unit Coordinator/Nursing Unit Clerk			1,008	8	1,160	10
Medical Office Assistant	80	1	160	2	720	9
Unit Clerk	930	8				
Clerical - General	120	1			120	1
Medical Transcriptionist					84	1
Social Work			1,800	4	450	1
Master of Social Work			1,800	4	450	1
Paramedic	1,504	68	192	24	168	21
Advanced Care Paramedic	1,504	68	192	24	168	21
Rehabilitation Sciences	144	1	549	3	405	2
Occupational Therapist	144	1	369	2	225	1
Physiotherapist			180	1	180	1

TABLE 23 continued

Discipline/Sub-discipline	FY 16-17		FY 17-18		FY 18-19	
	Total Student Hours	Total # of Students	Total Student Hours	Total # of Students	Total Student Hours	Total # of Students
Other Health	110	19	360	12	522	21
Various - Multidisciplinary/Interdisciplinary			252	6	252	6
Therapeutic Touch Practitioner	54	12	108	6	270	15
Midwifery	56	7				
Pharmacy	640	4				
Pharmacist	640	4				
Therapist	456	17	78	1		
Massage Therapist	300	15				
Music Therapist	156	2	78	1		
Food & Nutrition					120	2
Dietitian					120	2
GRAND TOTAL	36,795	343	38,029	282	38,418	319

The Medical Doctor Undergraduate Program (MDUG) had a total of 170 distinct students, representing 358 placements and 4,628 days, arriving at BC Women's Hospital facilities from April 1, 2018 – March 31, 2019. 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

Site/Specialty	# of Distinct Students	# of Placements	Total # of Days
BCW			
ObGyn	64	142	2,473
Anesthesiology	107	178	1,595
Family Medicine	15	27	399
Medical Genetics	3	4	56
Emergency Medicine - Pediatrics	2	2	56
Psychiatry	4	5	49
GRAND TOTAL	170	358	4,628

The Post Graduate Medical Education program (PGME) had a total of 243 distinct students, representing 641 placements and 17,538 days, arriving at BC Women's Hospital facilities from April 1, 2018 – March 31, 2019. 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

Site/Specialty	# of Distinct Students	# of Placements	Total # of Days	Site/Specialty	# of Distinct Students	# of Placements	Total # of Days
BCW				Diagnostic Radiology	13	16	449
ObGyn	112	366	10,160	Psychiatry	9	15	410
Anesthesiology	24	45	1,261	General Internal Medicine	8	13	308
Medical Genetics	19	34	744	Family Medicine	5	6	176
Endocrinology	9	26	727	Dermatology	5	8	161
Urology	15	23	642	Gynecological Reproductive Endocrinology & Infertili	2	3	126
Emergency Medicine - Pediatrics	19	21	587	Geriatric Medicine	3	4	111
Neonatal Perinatal Medicine	11	21	574	Hematology	2	3	84
Infectious Disease	10	22	569	GRAND TOTAL	243	641	17,538
Pediatrics	13	15	449				

In FY 2018-19, BCW's declined a total of 37 placement requests representing 30 students and 7,081 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 2. The top discipline declined is nursing placements. See Appendix B for all PHSA declines by discipline, program and reason for FY 18-19.

TABLE 26 # of Students and hours by Discipline, Site and Reasons for Placement Decline for Fiscal Year

Discipline	Site	Reason	Count of Reason	Sum of # Students	Sum of Student Hrs
Nursing	BCW	Too many students on unit/program	7	14	2,820
		No supervisor / preceptor is available	6	6	1,640
		Conflicts with other requests	4	4	650
		Other / special reason (use ONLY if no other reason applies)	1	1	312
		Request not suitable for area requested	1	1	300
Nursing Total			19	26	5,722
Administration	BCW	No supervisor / preceptor is available	2	2	240
		Other / special reason (use ONLY if no other reason applies)	2	2	150
		Request not suitable for area requested	1	1	120
		No Reason given	1	1	80
Administration Total			6	6	590
Medicine	BCW	Too many students on unit/program	1	1	120
		Conflicts with other requests	2	2	64
Medicine Total			3	3	184

TABLE 26 continued

Discipline	Site	Reason	Count of Reason	Sum of # Students	Sum of Student Hrs
Social Work	BCW	Conflicts with other requests	1	1	450
Social Work Total			1	1	450
Other Health	BCW	Request not suitable for area requested	1	1	135
Other Health Total			1	1	135
GRAND TOTAL			30	37	7,081

Table 27 shows the estimated cost of staff time by discipline for FY 18-19. Excluded from this table is estimated cost related to medical students.

TABLE 27 Estimated Cost of PHSA Preceptor Time by Discipline and Encounter Type in Fiscal Year 2018-19

Discipline	Sub-discipline	Group Cost	One to One Cost	Total Cost
Nursing	Bacc Nursing - BScN/BSN/BN	\$16,965	\$152,600	\$169,565
	Nurse Practitioner	\$ -	\$10,400	\$10,400
	Nursing - Masters	\$ -	\$1,733	\$1,733
	Post-RN Specialty	\$17,010	\$109,333	\$126,343
Technologist/Technician	Sonography Tech	\$ -	\$36,400	\$36,400
Administration	Clerical - General	\$ -	\$1,600	\$1,600
	Health Unit Coordinator/Nursing Unit Clerk	\$ -	\$15,467	\$15,467
	Medical Office Assistant	\$ -	\$9,600	\$9,600
	Medical Transcriptionist	\$ -	\$1,120	\$1,120
Non-Health	Health Information Management	\$ -	\$3,000	\$3,000
	Masters of Public Health	\$ -	\$22,400	\$22,400
Other Health	Therapeutic Touch Practitioner	\$675	\$-	\$675
	Various - Multidisciplinary/ Interdisciplinary	\$ -	\$4,200	\$4,200
Social Work	Master of Social Work	\$ -	\$7,500	\$7,500
Rehabilitation Sciences	Occupational Therapist	\$ -	\$3,750	\$3,750
	Physiotherapist	\$ -	\$3,000	\$3,000
Paramedic	Advanced Care Paramedic	\$336	\$-	\$336
Food & Nutrition	Dietitian	\$ -	\$2,000	\$2,000
GRAND TOTAL		\$34,986	\$384,103	\$419,089

BUILD EFFECTIVE PARTNERSHIPS AND COLLABORATIONS THAT SUPPORT INNOVATION

Table 28 Shows the distribution of student hours by Educational Institution and sub-discipline by fiscal year. Of the 11 Educational Institutions with an active placement in FY 18-19, the top three, BCIT, UBC and Langara College represent 80% of all student hours.

TABLE 28 Distribution of Student Placements by Educational Institution, Discipline, Sub-discipline and Fiscal Year

Education Instituion	Sub-Discipline	FY 16-17	FY 17-18	FY 18-19
BCIT		11,968	14,794	19,370
	Post-RN Specialty	5,928	9,624	13,364
	Sonography Tech	2,660	2,310	2,730
	Bacc Nursing - BScN/BSN/BN	3,300	2,700	2,556
	Medical Office Assistant	80	160	720
University of British Columbia		7,952	8,373	6,299
	Bacc Nursing - BScN/BSN/BN	6,904	6,706	5,040
	Master of Social Work		450	450
	Various - Multidisciplinary/ Interdisciplinary		252	252
	Occupational Therapist	144	369	225
	Physiotherapist		180	180
	Dietitian			120
	Nurse Practitioner	208	416	32
	Midwifery	56		
	Pharmacist	640		
Langara College		9,051	7,313	4,920
	Bacc Nursing - BScN/BSN/BN	8,997	7,205	4,650
	Therapeutic Touch Practitioner	54	108	270
Kwantlen Polytechnic University		480	720	2,328
	Bacc Nursing - BScN/BSN/BN	480	552	1,968
	Health Unit Coordinator/Nursing Unit Clerk		168	360
Vancouver Community College		1,674	1,224	2,012
	Bacc Nursing - BScN/BSN/BN	1,464	1,224	1,728
	Health Unit Coordinator/Nursing Unit Clerk			200
	Medical Transcriptionist			84
	Unit Clerk	210		
Simon Fraser University		1,680	2,060	1,680
	Masters of Public Health	1,680	2,060	1,680

TABLE 28 continued

Education Institution	Sub-Discipline	FY 16-17	FY 17-18	FY 18-19
Stenberg College		720	840	720
	Health Unit Coordinator/Nursing Unit Clerk		840	600
	Clerical - General	120		120
	Unit Clerk	600		
University of Victoria		1,010	375	616
	Nurse Practitioner	370	297	512
	Nursing - Masters	208		104
	Post-RN Specialty	432		
	Bacc Nursing - Post Diploma BSN/BN		78	
Center for Distance Education				225
	Health Information Management			225
Justice Institute of BC		1,504	192	168
	Advanced Care Paramedic	1,504	192	168
Athabasca University			380	80
	Nurse Practitioner			80
	Bacc Nursing - BScN/BSN/BN		380	
Dalhousie University			1,350	
	Master of Social Work		1,350	
University of Alberta			130	
	Masters of Public Health		130	
Capilano University		156	78	
	Music Therapist	156	78	
Vancouver College of Massage Therapy		300		
	Massage Therapist	300		
Surrey College		120		
	Unit Clerk	120		
University of Toronto			200	
	Nurse Practitioner		200	
Douglas College		180		
	Health Information Management	180		
GRAND TOTAL		36,795	38,029	38,418



BC MENTAL HEALTH AND SUBSTANCE USE SERVICES (BCMHSUS)

BUILD STUDENT EDUCATION CAPACITY

Placement Activity

In FY 18-19, BCMHSUS provided 31,436 student hours (excluding medical students) of which 67% were one-to-one preceptorships (supervised by a PHSA preceptor/employee) and 33% were group placements (supervised by an instructor

provided by the educational institution). Nursing placements represent 72% of total student hours in FY 18-19. A breakdown of student hours and students by site, discipline, sub-discipline and fiscal year can be found in Table 29.

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

Discipline/Sub-discipline	FY 16-17		FY 17-18		FY 18-19	
	Total Student Hours	Total # of Students	Total Student Hours	Total # of Students	Total Student Hours	Total # of Students
BbyCtrMH	15,262	124	17,471	154	17,832	131
Nursing	11,557	111	13,236	121	13,701	113
Bacc Nursing - BScN/BSN/BN	10,176	102	9,188	105	9,176	95
Psychiatric Nursing - Diploma	810	5	3,060	11	1,080	3
Psychiatric Nursing Bacc - BScN/BN/ RPN Psych			780	4	3,189	13
Nurse Practitioner	431	3	208	1		
Psychiatric Nursing Bacc - BScN/BN/ RPN Psych - Post Diploma					160	1
Licensed/Registered Practical Nurse	140	1				
Registered Nurse					96	1
Therapist	2,556	7	2,138	21	638	2
Music Therapist	1,856	4	1,934	5	78	1
Recreation Therapist Degree	560	1			560	1
Massage Therapist			204	16		
Art Therapist	140	2				
Social Work	420	1	828	2	1,250	5
Master of Social Work			450	1	450	1
Bachelor of Social Work	420	1	378	1		
Diploma of Social Work					520	2
Social Services Worker Certificate					280	2
Administration	172	2	636	7	600	7
Health Unit Coordinator/Nursing Unit Clerk			636	7	600	7
Unit Clerk	172	2				
Rehabilitation Sciences	407	2	263	1	623	2

TABLE 29 continued

Discipline/Sub-discipline	FY 16-17		FY 17-18		FY 18-19	
	Total Student Hours	Total # of Students	Total Student Hours	Total # of Students	Total Student Hours	Total # of Students
Occupational Therapist	407	2	263	1	623	2
Psychology	150	1			700	1
Psychology (Masters)	150	1			700	1
Other Health			370	2		
Community Health Worker			370	2		
Pharmacy					320	1
Pharmacist					320	1
Forensic	1,616	11	6,535	31	7,018	36
Nursing	1,247	9	2,247	13	4,141	25
Psychiatric Nursing Bacc - BScN/BN/ RPN Psych	1,247	9	1,887	12	829	5
Bacc Nursing - BScN/BSN/BN					2,652	18
Psychiatric Nursing - Diploma			360	1	360	1
Registered Nurse					300	1
Social Work			2,410	6	1,512	5
Bachelor of Social Work			1,960	5	1,498	4
Master of Social Work			450	1	14	1
Rehabilitation Sciences	369	2	938	4	1,215	5
Occupational Therapist	144	1	713	3	750	3
Rehabilitation Assistant	225	1	225	1	465	2
Pharmacy			640	4		
Pharmacist			640	4		
Other Health			300	4		
Community Health Worker			300	4		
Psychology					150	1
Counselling Psychology					150	1
CHS			2,496	10	3,703	26
Nursing			1,476	7	3,141	23
Bacc Nursing - BScN/BSN/BN			1,296	6	2,356	20
Psychiatric Nursing Bacc - BScN/BN/ RPN Psych					720	2
Licensed/Registered Practical Nurse			180	1	65	1
Social Work			980	2	524	2
Bachelor of Social Work			420	1	524	2
Master of Social Work			560	1		
Administration			40	1	38	1
Other Administrative			40	1		
Medical Office Assistant					38	1

TABLE 29 continued

Discipline/Sub-discipline	FY 16-17		FY 17-18		FY 18-19	
	Total Student Hours	Total # of Students	Total Student Hours	Total # of Students	Total Student Hours	Total # of Students
MentHthAdc			2,528	23	2,883	14
Nursing			968	9	1,630	9
Bacc Nursing - BScN/BSN/BN			808	7	672	4
Psychiatric Nursing Bacc - BScN/BN/RPN Psych			160	2	880	4
Bacc Nursing - Post Diploma BSN/BN					78	1
Therapist			1,110	13	323	3
Music Therapist			850	1	78	1
Massage Therapist			260	12		
Recreation Therapist Degree					245	2
Social Work			450	1	450	1
Master of Social Work			450	1	450	1
Non-Health					480	1
Masters of Public Health					480	1
GRAND TOTAL	16,878	135	29,029	218	31,436	207

The Medical Doctor Undergraduate Program (MDUG) had a total of 7 distinct students, representing 9 placements and 126 days, arriving at BC Mental Health and Substance Use facilities from April 1, 2018 – March 31, 2019. 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

Site/Specialty	# of Distinct Students	# of Placements	Total # of Days
Forensic Psychiatry	7	9	126
GRAND TOTAL	7	9	126

The Post Graduate Medical Education program (PGME) had a total of 19 distinct students, representing 85 placements and 2,574 days, arriving at BC Mental Health and Substance Use facilities from April 1, 2018 – March 31, 2019. 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

Site/Specialty	# of Distinct Students	# of Placements	Total # of Days
BbyCtrMH Total	15	71	2,157
Psychiatry	15	71	2,157
Forensic Total	5	14	417
Psychiatry	1	8	244
Forensic Psychiatry	4	6	173
GRAND TOTAL	19	85	2,574

In FY 2017-18, BCMHSUS facilities declined a total of 41 placement requests representing 25 students and 6,133 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 social work placements. See Appendix B for all PHSA declines by discipline, program and reason for FY 18-19.

TABLE 32 # of Students and hours by Discipline, Site and Reasons for Placement Decline for Fiscal Year

Discipline	Site	Reason	Count of Reason	Sum of # Students	Sum of Student Hrs
Nursing Total			14	29	2,819
	BbyCtrMH	Conflicts with other requests	3	3	540
		Too many students on unit/program	3	3	540
		No supervisor / preceptor is available	1	1	360
		Unit workload	1	1	208
	Forensic	No supervisor / preceptor is available	2	2	344
		Too many students on unit/program	1	1	340
		Unit workload	2	17	127
	CHS	No Reply from Destination (RC users)	1	1	360
Social Work Total			8	8	2,889
	Forensic	No supervisor / preceptor is available	3	3	1,311
		Conflicts with other requests	1	1	420
		Unit workload	1	1	378
	BbyCtrMH	Too many students on unit/program	1	1	140
		No supervisor / preceptor is available	1	1	140
	CHS	No supervisor / preceptor is available	1	1	500
Other Health Total			1	2	80
	Forensic	No supervisor / preceptor is available	1	2	80
Administration Total			1	1	120
	BbyCtrMH	No supervisor / preceptor is available	1	1	120
Rehabilitation Sciences Total			1	1	225
	BbyCtrMH	No supervisor / preceptor is available	1	1	225
GRAND TOTAL			25	41	6,133

Table 33 shows the estimated cost of staff time by discipline for FY 18-19. Excluded from this table is estimated cost related to medical students.

TABLE 33 Estimated Cost of PHS A Preceptor Time by Discipline and Encounter Type in Fiscal Year 2018-19

Discipline	Sub-discipline	Group Cost	One to One Cost	Total Cost
Nursing	Bacc Nursing - BScN/BSN/BN	\$25,760	\$75,867	\$101,627
	Bacc Nursing - Post Diploma BSN/BN	\$ -	\$1,300	\$1,300
	Licensed/Registered Practical Nurse	\$163	\$-	\$163
	Psychiatric Nursing - Diploma	\$ -	\$24,000	\$24,000
	Psychiatric Nursing Bacc - BScN/BN/ RPN Psych	\$ -	\$93,633	\$93,633
	Psychiatric Nursing Bacc - BScN/BN/ RPN Psych - Post Diploma	\$ -	\$2,667	\$2,667
	Registered Nurse	\$ -	\$6,600	\$6,600
Social Work	Bachelor of Social Work	\$ -	\$33,700	\$33,700
	Diploma of Social Work	\$ -	\$8,667	\$8,667
	Master of Social Work	\$ -	\$15,233	\$15,233
	Social Services Worker Certificate	\$ -	\$4,667	\$4,667
Rehabilitation Sciences	Occupational Therapist	\$ -	\$22,875	\$22,875
	Rehabilitation Assistant	\$ -	\$7,750	\$7,750
Therapist	Music Therapist	\$ -	\$2,080	\$2,080
	Recreation Therapist Degree	\$ -	\$10,733	\$10,733
Psychology	Counselling Psychology	\$ -	\$2,500	\$2,500
	Psychology (Masters)	\$ -	\$11,667	\$11,667
Administration	Health Unit Coordinator/Nursing Unit Clerk	\$ -	\$8,000	\$8,000
	Medical Office Assistant	\$ -	\$507	\$507
Non-Health	Masters of Public Health	\$ -	\$6,400	\$6,400
Pharmacy	Pharmacist	\$ -	\$5,333	\$5,333
GRAND TOTAL		\$25,923	\$344,178	\$370,102

BUILD EFFECTIVE PARTNERSHIPS AND COLLABORATIONS THAT SUPPORT INNOVATION

Table 34 shows the distribution of student hours by Educational Institution and sub-discipline by fiscal year. Of the 19 Educational Institutions with an active placement in FY 18-19, the top three, UBC, Langara College and Douglas College represent 58% of all student hours.

TABLE 34 Distribution of Student Placements by Educational Institution, Discipline, Sub-discipline by Fiscal Year

Education Institution	Sub-Discipline	FY 16-17	FY 17-18	FY 18-19
University of British Columbia		967	3,019	8,467
	Bacc Nursing - BScN/BSN/BN		368	5,376
	Occupational Therapist	551	975	1,013
	Master of Social Work		450	900
	Masters of Public Health			480
	Bachelor of Social Work		378	378
	Pharmacist		640	320
	Nurse Practitioner	416	208	
Langara College		4,728	4,728	5,088
	Bacc Nursing - BScN/BSN/BN	4,728	4,728	5,088
Douglas College		1,487	1,997	4,743
	Psychiatric Nursing Bacc - BScN/BN/RPN Psych	927	1,647	3,258
	Recreation Therapist Degree	560		805
	Diploma of Social Work			520
	Psychiatric Nursing Bacc - BScN/BN/RPN Psych - Post Diploma			160
	Community Health Worker		350	
Kwantlen Polytechnic University		5,940	6,356	4,408
	Psychiatric Nursing Bacc - BScN/BN/RPN Psych	320	1,180	2,360
	Bacc Nursing - BScN/BSN/BN	5,448	4,540	1,352
	Health Unit Coordinator/Nursing Unit Clerk		636	600
	Registered Nurse			96
	Unit Clerk	172		
University of Victoria		15	974	1,676
	Bacc Nursing - BScN/BSN/BN		624	1,248
	Bachelor of Social Work		350	350
	Bacc Nursing - Post Diploma BSN/BN			78
	Nurse Practitioner	15		
Stenberg College		810	3,740	1,440
	Psychiatric Nursing - Diploma	810	3,420	1,440
	Community Health Worker		320	

TABLE 34 continued

Education Institution	Sub-Discipline	FY 16-17	FY 17-18	FY 18-19
Thompson Rivers University			852	1,348
	Bacc Nursing - BScN/BSN/BN		432	1,048
	Registered Nurse			300
	Bachelor of Social Work		420	
Adler University		150		850
	Psychology (Masters)	150		700
	Counselling Psychology			150
BCIT			600	600
	Bacc Nursing - BScN/BSN/BN		600	600
University of Northern British Columbia			560	524
	Bachelor of Social Work			524
	Master of Social Work		560	
Vancouver Community College		225	225	465
	Rehabilitation Assistant	225	225	465
University of the Fraser Valley			1,290	420
	Bachelor of Social Work		840	420
	Master of Social Work		450	
Western Washington University				360
	Occupational Therapist			360
Vancouver Island University			350	350
	Bachelor of Social Work		350	350
Vancouver Career College		140		280
	Social Services Worker Certificate			280
	Licensed/Registered Practical Nurse	140		
Capilano University		1,856	2,784	156
	Music Therapist	1,856	2,784	156
Okanagan College				144
	Bacc Nursing - BScN/BSN/BN			144
College of New Caledonia			180	103
	Licensed/Registered Practical Nurse		180	65
	Medical Office Assistant			38

TABLE 34 continued

Education Institution	Sub-Discipline	FY 16-17	FY 17-18	FY 18-19
Renison University College				14
	Master of Social Work			14
Sprott Shaw College			40	
	Other Administrative		40	
Vancouver College of Massage Therapy			464	
	Massage Therapist		464	
University of Manitoba			420	
	Bachelor of Social Work		420	
Vancouver Art Therapy Institute		140		
	Art Therapist	140		
Dalhousie University			450	
	Master of Social Work		450	
Nicola Valley Institute of Technology		420		
	Bachelor of Social Work	420		
GRAND TOTAL		16,878	29,029	31,436

BC CENTRE FOR DISEASE CONTROL/UBC CENTRE FOR DISEASE CONTROL (BCCDC/UBC CDC)

BUILD STUDENT EDUCATION CAPACITY



BC Centre for Disease Control
An agency of the Provincial Health Services Authority

Placement Activity

In FY 18-19, BCCDC provided 5,020 student hours (excluding medical students) of all were one-to-one preceptorships (supervised by a PHSA preceptor/employee). The large increase from previous years is due to a large cohort of Masters of Public Health students. A breakdown of student hours and students by site, discipline, sub-discipline and fiscal year can be found in Table 35.

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

Discipline/ Sub-discipline	FY 16-17		FY 17-18		FY 18-19	
	Total Student Hours	Total # of Students	Total Student Hours	Total # of Students	Total Student Hours	Total # of Students
BCCDC	330	4	323	3	5,020	15
Non-Health			35	1	4,380	10
Masters of Public Health			35	1	4,200	9
Health Information Management					180	1
Nursing	330	4	288	2	480	4
Bacc Nursing - BScN/BSN/BN	240	2	288	2	480	4
Licensed/Registered Practical Nurse	90	2				
Food & Nutrition					160	1
Dietitian					160	1
GRAND TOTAL	330	4	323	3	5,020	15

The Medical Doctor Undergraduate Program (MDUG) had a total of 3 distinct students, representing 6 placements and 112 days, arriving at BCCDC facilities from April 1, 2018 – March 31, 2019. See Table 36 for a breakdown by specialty and site.

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

TABLE 36 MDUG – Total # of Distinct Students, Placements and Requested Days by Site and Specialty

Site/Specialty	# of Distinct Students	# of Placements	Total # of Days
Public Health	3	6	112
GRAND TOTAL	3	6	112

The Post Graduate Medical Education program (PGME) had a total of 19 distinct students, representing 52 placements and 1,439 days, arriving at BCCDC facilities from April 1, 2018 – March 31, 2019. See Table 37 for a breakdown by specialty and site.

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

TABLE 37 PGME – Total # of Distinct Students, Placements and Requested Days by Site and Specialty

Site/Specialty	# of Distinct Students	# of Placements	Total # of Days
BCCDC Total	19	52	1,439
Pathology	16	33	905
Public Health	4	17	477
Infectious Disease	1	1	29
Respirology	1	1	28
GRAND TOTAL	19	52	1,439

In FY 2018-19, BCCDC declined a total of 3 placement requests representing 3 students and 924 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 38. The top discipline declined is nursing placements. See Appendix B for all PHSA declines by discipline, program and reason for FY 18-19

TABLE 38 # of Students and hours by Discipline, Site and Reasons for Placement Decline for Fiscal Year

Discipline	Site	Reason	Count of Reason	Sum of # Students	Sum of Student Hrs
Nursing Total			3	3	924
Nursing	BCCDC	Other / special reason (use ONLY if no other reason applies)	2	2	624
		No supervisor / preceptor is available	1	1	300
GRAND TOTAL			3	3	924

Table 39 shows the estimated cost of staff time by discipline for FY 18-19. Excluded from this table is estimated cost related to medical students.

TABLE 39 Estimated Cost of PHSA Preceptor Time by Discipline and Encounter Type in Fiscal Year 2018-19

Discipline	Sub-discipline	Group Cost	One to One Cost	Total Cost
Non-Health	Health Information Management	\$ -	\$ 2,400	\$ 2,400
	Masters of Public Health	\$ -	\$ 56,000	\$ 56,000
Nursing	Bacc Nursing - BScN/BSN/BN	\$ -	\$ 8,000	\$ 8,000
Food & Nutrition	Dietitian	\$ -	\$ 2,667	\$ 2,667
GRAND TOTAL		\$ -	\$ 69,067	\$ 69,067

BUILD EFFECTIVE PARTNERSHIPS AND COLLABORATIONS THAT SUPPORT INNOVATION

Table 40 shows the distribution of student hours by Educational Institution and sub-discipline by fiscal year. Of the 6 Educational Institutions with an active placement in FY 18-19, the top three, SFU, UBC and University of Toronto represent 76% of all student hours

TABLE 40 Distribution of Student Placements by Educational Institution, Discipline, Sub-discipline by Fiscal Year

Educational Institution	Sub-Discipline	FY 16-17	FY 17-18	FY 18-19
Simon Fraser University				1,680
	Masters of Public Health			1,680
University of British Columbia				1,600
	Masters of Public Health			1,440
	Dietitian			160
University of Toronto				560
	Masters of Public Health			560
University of Alberta				520
	Masters of Public Health			520
Vancouver Community College		330	288	480
	Bacc Nursing - BScN/BSN/BN	240	288	480
	Licensed/Registered Practical Nurse	90		
Douglas College				180
	Health Information Management			180
McMaster University			35	
	Masters of Public Health		35	
GRAND TOTAL		330	323	5,020

BC EMERGENCY HEALTH SERVICES (BCEHS)

BUILD STUDENT EDUCATION CAPACITY

Placement Activity

In FY 18-19, BCEHS provided 59,103 student hours (excluding medical students) that were all one-to-one preceptorships (supervised by a PHSA preceptor/employee). A breakdown of student hours and students by course and fiscal year can be found in Table 41.

The decrease in hours is reflective of a smaller cohort of both ACP and PCP students and due to improvements in data quality.

TABLE 41 Total # of Students, Shifts and Placement Hours by Course and Fiscal Year

Program	# of Students		# of Shifts		# of Hours	
	FY 17-18	FY 18-19	FY 17-18	FY 18-19	FY 17-18	FY 18-19
ACP	NA	65	2,001	1,086	22,653	13,005
PCP	NA	337	4,178	3,943	48,286	46,098
GRAND TOTAL	NA	402	6,179	5,029	70,939	59,103

Table 42 shows the estimated cost of staff time by discipline for FY 18-19.

TABLE 42 Estimated Cost of PHSA Preceptor Time by Discipline and Encounter Type in Fiscal Year 2018-19

Discipline	Sub-discipline	Group Cost	One to One Cost	Total Cost
Paramedic	Advanced Care Paramedic	\$ -	\$ 520,200	\$ 520,200
	Primary Care Paramedic	\$ -	\$ 1,843,917	\$ 1,843,917
GRAND TOTAL		\$ -	\$ 2,364,117	\$ 2,364,117

APPENDIX A GLOSSARY

TERM	DESCRIPTION	DATA SOURCE
METRIC DEFINITIONS		
Metrics 1a – Total number of Student Hours by Receiving Agency, Discipline, and Encounter Type	Total number of Student Hours (calculated as number of student's X requested placement hours) for the confirmed placement status beginning within the Fiscal Year. These numbers are calculated by Receiving Agency, HSPnet discipline, sub-discipline and Encounter Type (Group or One-to-One)	BCEHS programs: Clinical placements are captured in the HSPnet data defined below. All other placements (On-Car, On-Plane) are provided by BCEHS program managers who are queried through email for annual numbers. Potential source is JIBC excel worksheets but will not include data from AET, Heartsafe or Holland College. All other: HSPnet activity report/custom field
Metric 1b – # of Medical Students by Type (Undergraduate and Post graduate) and Specialty	Total number of Students (not hours) with placements at PHSA facilities for both undergraduate and graduate medical student programs from UBC. Excluded are UBC and non-UBC visiting medical student placements.	HSPnet custom report - Security/Access Listing - Students/Instructors - Network Account – Medicine by FY
Metric 1c – # of Medical Students hours by Type and Specialty	TBD	Review of this metric is underway to design one that better reflects medical student placements.
Metric 1d – # of Confidentiality /Learning Hub Orientation Courses Completed by Participant Type	A count of those completing the Student Privacy/Confidentiality course on the Learning Hub from a designated student, employee, or unidentified email address. USED AS A PROXY FOR MEDICAL STUDENT VOLUME IN FY 2013-14	Source: LH Course Completed report from Sarah Titcomb, manual No longer reported, see definition
Metric 1e – Estimated Cost of Staff Time by Discipline and Encounter Type	Total number of student hours * \$40 average wage. The ratio of staff hours to student hours of 1:5 for one-to-one, and 1:20 for group placements is utilized.	Hours used for this calculation include data from Metric 1a above. Manually calculated.
Metric 1f - # of confirmed placement requests by month	The sum of the # of Placement Requests by the month in which it starts within the Fiscal Year.	HSPnet Activity report by FY + custom field month
Metric 1g - # of PHSA declined placements by top reason	The number of declines for the Declined by Agency (DecA) status and reasons as provided in HSPnet.	HSPnet custom report: Cancellation/Decline Reasons - Cancellation/Decline Reasons by FY

TERM	DESCRIPTION	DATA SOURCE
<p>Metric 1h – Number of staff participants involved in preceptor and educator training (Educator Pathway and BCEHS programs)</p>	<p>Educator Pathway Program participant report, manual. A sum of all levels. Level 1 - Preceptor/Mentor Theory and Practice (EP Level 1 & 1A) The preceptor and mentor competency development and education programs vary across agencies within PHSA. Level 2 - Education Theory and Practice (Staff preparing for Clinical Educator Role) 8 Instructional days spread over the course of 4 months. Content moves to supporting group and classroom learning focused on a specific clinical area of practice. Eligibility – PHSA professional clinical staff in an educator role that primarily focuses on program specific education. Endorsement letter from leader required. Level 3 - Education Theory and Practice: Five instructional days over 3 months. Focus is on supporting learning beyond the context of a specific clinical area of practice. Best suited for experienced educators shifting from developing content-based education to concept-based facilitation for learners across programs, disciplines and/or Health Service Delivery Areas. Eligibility – PHSA professional clinical staff in an educator role and who have significant experience as an educator, and whose role typically goes beyond the confines of a specific practice area. Endorsement letter from leader required Level Level 4 – master’s in education from a University.</p>	<p>Educator Pathway participant report (from Sandra Harris, Lead – Educator Pathway Program) and Self-reported numbers by BCEHS Manager, Education Operations</p>
<p>Metric 1i – # of Preceptors in HSPnet with and without a placement within the Fiscal Year</p>	<p>Calculated number of preceptors showing as active in HSPnet – those without a placement from the Unused Supervisors Report.</p>	<p>BCEHS programs: List of active preceptors with and without is provided by BCEHS program managers who are queried through email for annual numbers. For paramedic programs (PCP, ACP, CCP) a report from Peoplesoft showing which employee (using employee number) received instructor pay premium during the FY shows who had an active placement during the FY. All other: HSPnet custom report: Unused Supervisor Report and Listing of all Preceptors run on April 1 from HSPnet report wizard.</p>
<p>Metric 1j – # of Destinations in HSPnet with and without a placement within the Fiscal Year</p>	<p>A listing of destinations within an agency, and a tally of each PR status for each destination. Calculated number for only the confirmed placement status.</p>	<p>Source: Customer HSPnet report listing all destinations with and without a placement</p>
<p>Metric 1k – # of PHSA staff with practice education activities as part of defined job responsibilities.</p>	<p>TBD</p>	<p>TBD</p>
<p>Metric 2a – Number of formal affiliation agreements and % based on the Standard Template</p>	<p>A count of the number of educational institutions with an affiliation agreement and their designation as a private or public entity and on the standard or non-standard template</p>	<p>Affiliation Agreement excel worksheet from Practice Education + custom fields</p>

TERM	DESCRIPTION	DATA SOURCE
Metric 2b – Top % of education institutions by student hours	Sum of student hours by education institution. Calculation of the top 90% or above.	All other: HSPnet Activity data
Metric 2c – Number of student hours in ambulatory and/or inter-professional collaborative practice setting by site	Utilizing the destination field in the HSPnet activity report, added another field called practice setting. Decisions on assigning a destination to a particular practice setting made by Practice Education department. Calculates the number of student hours by the ambulatory/ outpatient setting type.	BCEHS programs: Assigned as On-car or On-plane depending on program All others: HSPnet Activity data + custom fields
Metric 2d – Distribution of student hours by practice education setting	Utilizing the practice setting field, calculates the number of student hours in each category.	All Disciplines: HSPnet Activity data + custom field
Metric 3a - # of hires at PHSA with a previous practice education placement	A survey of previous practice placement activities as part of the New Hire Orientation Online course. It's mandatory for all regular, temporary and casual PHSA new hires including PHSA employees returning from leave and those returning to PHSA after a two-year period. It excludes employees moving internally (from one PHSA position to another), non-salaried/salaried physicians, students, volunteers and contractors. The process is managed by PHSA Talent Acquisition. The invite for the online New Hire Orientation Course is automatically generated by the new hire e-form. Other data elements included in the course are name, email and course completion date.	New Hire Orientation Online Course on PHSA Learning Hub. Annual Data provided by PHSA Talent Acquisition in excel format.
Metric 3b – QCLE survey results	TBD	TBD
Metric 3c – RSPE survey result	The validated survey tools from the PLACES study, Placements for Learners: Assessing Capacity and effectiveness of Clinical Sites. To be disseminated to individual clinical areas for implementation.	Fluidsurveys responses from all disseminated survey for the fiscal year. Data is managed by PHSA Practice Education.

HSPNET DEFINITIONS	
PLACEMENT TYPE	
One-to-one (supervision provided by PHSA preceptor)	<p>These placements include the following types of encounters:</p> <p>Preceptor: 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>Observation: A supervised placement involving student observation only, or “shadowing” a service provider.</p> <p>Project: 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>Fieldwork: 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>Internship: 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>Practice Education: A generic description for placements in educational programs that prefer not to use another term like “Fieldwork” or “Preceptor”.</p> <p>Independent Study: 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>Collaborative Learning Unit: A preceptored 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>

HSPNET DEFINITIONS	
Group (supervision provided by instructor from education institution)	Group: 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. Alternate experiences: 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.
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 STATUS	
Confirmed	Represents all accepted requests that are confirmed by the school and agency.
Declined by Agency	Represents all requests that were officially declined by the receiving agency. The reasons for decline are also captured for this placement status.
Accepted by Agency	Represents all accepted requests that have not been confirmed by the school. Once a school accepts the placement, it becomes a Confirmed 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. 6th 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.
GENERAL TERMS	
Students	Learners who are involved in a practice 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.
Practice 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 practice education.
Practice Setting	Inpatient - a student placement that takes place only in an inpatient care delivery setting. Outpatient/Ambulatory - a student placement that takes place only in an outpatient or ambulatory care delivery setting. Mixed (OP/Amb & Inpatient) - a student placement that takes place partly in an inpatient setting and partly in outpatient/ambulatory care settings. Admin/Support Services - a student placement that takes place in a health authority administrative or support unit versus a clinical care delivery unit. Public/Pop Health - a student placement that takes place in a service unit focused on public or population health (e.g. epidemiology program at BCCDC). On Car/Plane – a student placement that takes place on a BC Ambulance or Air Ambulance.
Fiscal Year	April 1, 2015 – March 31, 2016 April 1, 2016 – March 31, 2017 April 1, 2017 – March 31, 2018 April 1, 2018 – March 31, 2019

APPENDIX B NUMBER OF STUDENTS AND HOURS BY DISCIPLINE, PROGRAM AND DECLINE REASON

DISCIPLINE	SITE	REASON	COUNT OF REASON	SUM OF # STUDENTS	SUM OF STUDENT HOURS
Nursing Total			109	137	23,908
Nursing	BCCH	Too many students on unit/program	19	21	3,343
		Other / special reason (use ONLY if no other reason applies)	7	7	2,220
		Student not suitable for area requested	5	5	1,627
		No supervisor / preceptor is available	8	8	1,335
		Unit workload	7	11	1,292
		Request not suitable for area requested	6	6	925
		Destination is closed during placement period	1	1	95
	BCW	Too many students on unit/program	7	14	2,820
		No supervisor / preceptor is available	6	6	1,640
		Conflicts with other requests	4	4	650
		Other / special reason (use ONLY if no other reason applies)	1	1	312
		Request not suitable for area requested	1	1	300
	BbyCtrMH	Conflicts with other requests	3	3	540
		Too many students on unit/program	3	3	540
		No supervisor / preceptor is available	1	1	360
		Unit workload	1	1	208
	BC CANCER Vancouver	Conflicts with other requests	2	2	660
		Too many students on unit/program	1	1	312
		Other / special reason (use ONLY if no other reason applies)	1	1	280
		Student not suitable for area requested	2	2	196
		Request not suitable for area requested	1	1	96
	Forensic	No supervisor / preceptor is available	2	2	344
		Too many students on unit/program	1	1	340
		Unit workload	2	17	127
	BC CANCER Kelowna	Request not suitable for area requested	4	4	72
	BC CANCER Abbotsford	Unit workload	3	3	288
		Other / special reason (use ONLY if no other reason applies)	1	1	96
	BCCDC	Other / special reason (use ONLY if no other reason applies)	2	2	624
		No supervisor / preceptor is available	1	1	300

APPENDIX B CONTINUED

DISCIPLINE	RA SITE	REASON	COUNT OF REASON	SUM OF # STUDENTS	SUM OF STUDENT HOURS
	BC CANCER Victoria	Unit workload	2	2	768
	SunnyHill	Too many students on unit/program	2	2	599
	BC CANCER Surrey	Unit workload	1	1	240
	CHS	No Reply from Destination (RC users)	1	1	360
Administration Total			13	13	1,410
Administration	BCW	No supervisor / preceptor is available	2	2	240
		Other / special reason (use ONLY if no other reason applies)	2	2	150
		Request not suitable for area requested	1	1	120
		No Reason given	1	1	80
	BCCH	Unit workload	2	2	240
		No supervisor / preceptor is available	2	2	240
		No Reply from RA (for PC users)	1	1	120
		Other / special reason (use ONLY if no other reason applies)	1	1	100
BbyCtrMH	No supervisor / preceptor is available	1	1	120	
Social Work Total			12	12	4,261
Social Work	Forensic	No supervisor / preceptor is available	3	3	1,311
		Conflicts with other requests	1	1	420
		Unit workload	1	1	378
	BbyCtrMH	Too many students on unit/program	1	1	140
		No supervisor / preceptor is available	1	1	140
	BCCH	Request not suitable for area requested	1	1	286
		No supervisor / preceptor is available	1	1	286
	BCW	Conflicts with other requests	1	1	450
	BC CANCER Kelowna	No supervisor / preceptor is available	1	1	350
	CHS	No supervisor / preceptor is available	1	1	500
Other Health Total			3	4	670
Other Health	Forensic	No supervisor / preceptor is available	1	2	80
	PerinatalS	Service has changed (see Comments)	1	1	455
	BCW	Request not suitable for area requested	1	1	135
Medicine Total			3	3	184
Medicine	BCW	Too many students on unit/program	1	1	120
		Conflicts with other requests	2	2	64

APPENDIX B CONTINUED

DISCIPLINE	RA SITE	REASON	COUNT OF REASON	SUM OF # STUDENTS	SUM OF STUDENT HOURS
Rehabilitation Sciences Total			3	3	675
Rehabilitation Sciences	SunnyHill	Too many students on unit/program	1	1	225
	BbyCtrMH	No supervisor / preceptor is available	1	1	225
	BCCH	Too many students on unit/program	1	1	225
Technologist/ Technician Total			1	1	150
Technologist/ Technician	BCCH	No supervisor / preceptor is available	1	1	150
Therapist Total			1	1	200
Therapist	BCCH	Alternate location identified by RA (new PR created)	1	1	200
GRAND TOTAL			145	174	31,458

APPENDIX C EDUCATION INSTITUTIONS WITH AFFILIATION AGREEMENTS IN PLACE FY 2018-19

STANDARD TEMPLATE
Public
A.C.Camargo Cancer Center
Athabasca University
BC Institute of Technology
Burnaby School District #41
Camosun College
Capilano University
Cardiff University
College of New Caledonia
Dalhousie University
Douglas College
Emily Carr University of Art & Design
HealthCareCAN
Justice Institute of BC
Kwantlen Polytechnic University
Lakehead University
Langara College
McMaster University
Mount Royal University
Nicola Valley Institute of Technology
North Island College
Northern Alberta Institute of Technology
Okanagan College
Paris Descartes University
Queen Margaret University
Queens University
Royal Roads University
Ryerson University
Simon Fraser University
Thompson Rivers University - Open Learning
University Medical Center Groningen
University of Abertay, Scotland
University of Alberta
University of Guelph
University of Manitoba
University of Northern BC

University of Ottawa
University of Porto
University of the Fraser Valley
University of Victoria
University of Washington - School of Pharmacy
University of Waterloo
Vancouver Community College
Vancouver Island University
Western Washington University
Private
Adler University
Bilkent University, Turkey
Casa Sollievo Della Sofferenza - Italy
CDI
City University of Seattle (Vancouver)
Grand Canyon University
LaunchLife International
Sarah Lawrence College
Stanford University
Stenberg College
Trinity Western University
Vancouver Art Therapy Institute
West Coast College of Health Care
West Coast College of Massage Therapy
NO STANDARD TEMPLATE
Public
Department of National Defense
Simon Fraser University
UBC - Health Sciences
UBC - School of Nursing
UBC - Social Work
UBC - University of British Columbia
University of Toronto
Private
City University of Seattle (Victoria)
Western Seminary - Seattle

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

EDUCATION INSTITUTION	DISCIPLINE	TOTAL STUDENT HOURS		
		FY 16-17	FY 17-18	FY 18-19
BCIT	Administration	80	160	1,120
	Medical Office Assistant	80	160	1,120
	Nursing	16,332	19,293	25,470
	Bacc Nursing - BScN/BSN/BN	9,300	7,800	7,656
	Post-RN Specialty	7,032	11,493	17,814
	Other Health			875
	Biomedical Engineer			875
	Technologist/Technician	17,116	14,859	20,375
	Sonography Tech	2,660	2,562	3,150
	Nuclear Medicine Tech	2,320	1,040	2,400
	Radiology Tech	2,656	2,732	3,050
	Medical Laboratory Technologist	6,860	8,075	8,250
	Magnetic Resonance Imaging (MRI) Technology/ Technician			1,120
	Clinical Genetics Technologist	2,080	450	2,180
	Perfusionist	540		225
	Therapist	320	6,384	16,973
Radiation Therapist	320	6,384	16,973	
BCIT Total		33,848	40,696	64,813
Justice Institute of BC	Paramedic	49,172	66,235	53,980
	Advanced Care Paramedic	20,904	21,071	13,161
	Primary Care Paramedic	28,268	45,164	40,819
Justice Institute of BC Total		49,172	66,235	53,980
University of British Columbia	Food & Nutrition	2,384	2,336	2,832
	Dietitian	2,384	2,336	2,832
	Nursing	29,870	26,508	20,296
	Bacc Nursing - BScN/BSN/BN	28,358	25,204	20,168
	Nurse Practitioner	1,512	1,304	128
	Non-Health			1,920
	Masters of Public Health			1,920
	Other Health	56	252	252
	Midwifery	56		
	Various - Multidisciplinary/Interdisciplinary		252	252
	Pharmacy	4,000	5,680	8,800
Pharmacist	4,000	5,680	8,800	

APPENDIX D CONTINUED

EDUCATION INSTITUTION	DISCIPLINE	TOTAL STUDENT HOURS		
		FY 16-17	FY 17-18	FY 18-19
	Psychology	750	100	100
	Counselling Psychology	750	100	
	Psychology (PHD)			100
	Rehabilitation Sciences	6,937	7,237	7,001
	Occupational Therapist	3,821	3,845	3,420
	Physiotherapist	2,584	2,816	3,304
	Audiologist	216		248
	Speech & Language Pathologist/Communications	317	576	29
	Social Work	900	3,078	3,978
	Master of Social Work	900	2,700	3,600
	Bachelor of Social Work		378	378
	Dental Medicine			72
	Doctor of Dental Medicine			72
University of British Columbia Total		44,897	45,191	45,251
Langara College	Nursing	25,801	23,685	20,117
	Bacc Nursing - BScN/BSN/BN	25,801	23,685	20,117
	Other Health	54	108	270
	Therapeutic Touch Practitioner	54	108	270
Langara College Total		25,855	23,793	20,387
Douglas College	Nursing	8,754	9,060	15,026
	Bacc Nursing - BScN/BSN/BN	7,467	7,413	9,884
	Psychiatric Nursing Bacc - BScN/BN/RPN Psych	1,287	1,647	4,982
	Psychiatric Nursing Bacc - BScN/BN/RPN Psych - Post Diploma			160
	Non-Health	1,440		2,160
	Health Information Management	1,440		2,160
	Other Health		350	
	Community Health Worker		350	
	Social Work			520
	Diploma of Social Work			520
	Therapist	1,120	560	1,925
Recreation Therapist Degree	1,120	560	1,925	
Douglas College Total		11,314	9,970	19,631
Thompson Rivers University	Nursing	228	648	1,780
	Bacc Nursing - BScN/BSN/BN	228	648	1,480
	Registered Nurse			300

APPENDIX D CONTINUED

EDUCATION INSTITUTION	DISCIPLINE	TOTAL STUDENT HOURS		
		FY 16-17	FY 17-18	FY 18-19
	Social Work		420	
	Bachelor of Social Work		420	
	Therapist	18,620	17,150	17,395
	Respiratory Therapist	18,620	17,150	17,395
Thompson Rivers University Total		18,848	18,218	19,175
Kwantlen Polytechnic University	Administration	500	1,044	1,320
	Unit Clerk	500		
	Health Unit Coordinator/Nursing Unit Clerk		1,044	1,320
	Nursing	16,078	15,334	13,740
	Bacc Nursing - BScN/BSN/BN	14,498	12,374	10,184
	Psychiatric Nursing Bacc - BScN/BN/RPN Psych	1,580	2,960	3,460
	Registered Nurse			96
Kwantlen Polytechnic University Total	16,578	16,378	15,060	
Simon Fraser University	Non-Health	1,680	2,060	4,200
	Masters of Public Health	1,680	2,060	4,200
	Psychology	2,400	450	1,650
	Counselling Psychology	450		
	Psychology (Masters)		450	1,650
	Psychology (PHD)	1,950		
Simon Fraser University Total		4,080	2,510	5,850
Vancouver Community College	Administration	390	860	864
	Medical Office Assistant		240	
	Medical Transcriptionist			84
	Unit Clerk	390		
	Health Unit Coordinator/Nursing Unit Clerk		620	780
	Nursing	2,034	1,800	2,568
	Bacc Nursing - BScN/BSN/BN	1,944	1,800	2,568
	Licensed/Registered Practical Nurse	90		
	Pharmacy	300	300	300
	Pharmacy Technician	300	300	300
	Rehabilitation Sciences	450	450	705
	Rehabilitation Assistant	450	450	705

APPENDIX D CONTINUED

EDUCATION INSTITUTION	DISCIPLINE	TOTAL STUDENT HOURS		
		FY 16-17	FY 17-18	FY 18-19
	Technologist/Technician	450	300	600
	Medical Laboratory Assistant	450	300	600
Vancouver Community College Total		3,624	3,710	5,037
Stenberg College	Administration	2,280	2,640	1,440
	Clerical - General	1,440	1,080	600
	Unit Clerk	840		
	Health Unit Coordinator/Nursing Unit Clerk		1,560	840
	Nursing	810	3,420	1,440
	Psychiatric Nursing - Diploma	810	3,420	1,440
	Other Health		320	
	Community Health Worker		320	
	Pharmacy		160	480
	Pharmacy Technician		160	480
	Technologist/Technician	160		160
	Medical Laboratory Assistant	160		160
Stenberg College Total		3,250	6,540	3,520
University of Victoria	Nursing	4,047	2,526	2,980
	Bacc Nursing - BScN/BSN/BN	1,536	1,478	1,643
	Bacc Nursing - Post Diploma BSN/BN	156	78	78
	Nurse Practitioner	1,601	970	1,155
	Nursing - Masters	322		104
	Post-RN Specialty	432		
	Psychology	800		
	Counselling Psychology	800		
	Social Work	436	350	350
	Child and Youth Care Worker	436		
	Bachelor of Social Work		350	350
University of Victoria Total		5,283	2,876	3,330
AET Paramedic Academy	Paramedic	2,123	2,409	2,672
	Primary Care Paramedic	2,123	2,409	2,672
AET Paramedic Academy Total		2,123	2,409	2,672
Heartsafe EMS	Paramedic	1,739	713	2,523
	Primary Care Paramedic	1,739	713	2,523
Heartsafe EMS Total		1,739	713	2,523

APPENDIX D CONTINUED

EDUCATION INSTITUTION	DISCIPLINE	TOTAL STUDENT HOURS		
		FY 16-17	FY 17-18	FY 18-19
Trinity Western Univeristy	Nursing	2,304	2,664	2,304
	Bacc Nursing - BScN/BSN/BN	2,304	2,664	2,304
Trinity Western Univeristy Total		2,304	2,664	2,304
University of the Fraser Valley	Social Work		1,290	1,335
	Master of Social Work		450	
	Child and Youth Care Worker			600
	Bachelor of Social Work		840	735
University of the Fraser Valley Total		1,290	1,335	
Vancouver Art Therapy Institute	Therapist	140		850
	Art Therapist	140		850
Vancouver Art Therapy Institute Total		140		850
Adler University	Psychology	150		850
	Counselling Psychology			150
	Psychology (Masters)	150		700
Adler University Total		150		850
University of Toronto	Nursing		280	
	Nurse Practitioner		280	
	Non-Health			560
	Masters of Public Health			560
University of Toronto Total		280	560	
University of Northern British Columbia	Social Work		560	524
	Master of Social Work		560	
	Bachelor of Social Work			524
University of Northern British Columbia Total		560	524	
University of Alberta	Non-Health		130	520
	Masters of Public Health		130	520
University of Alberta Total			130	520
Renison University College	Social Work			476
	Master of Social Work			476
Renison University College Total				476
CDI College	Pharmacy			310
	Pharmacy Technician			310
	Technologist/Technician	240	120	120
	Medical Laboratory Assistant	240	120	120

APPENDIX D CONTINUED

EDUCATION INSTITUTION	DISCIPLINE	TOTAL STUDENT HOURS		
		FY 16-17	FY 17-18	FY 18-19
CDI College Total		240	120	430
Western Washington University	Rehabilitation Sciences			360
	Occupational Therapist			360
Western Washington University Total			360	
Vancouver Island University	Nursing	600		
	Bacc Nursing - BScN/BSN/BN	600		
	Social Work		350	350
	Bachelor of Social Work		350	350
Vancouver Island University Total		600	350	350
Okanagan College	Nursing			144
	Bacc Nursing - BScN/BSN/BN			144
	Rehabilitation Sciences		144	180
	Rehabilitation Assistant		144	180
Okanagan College Total			144	324
McGill University	Non-Health		184	320
	Bachelor of Science		184	320
McGill University Total			184	320
School District 41 - Burnaby	Administration	100	400	300
	Medical Office Assistant	100	400	300
School District 41 - Burnaby Total		100	400	300
Vancouver Career College	Nursing	140		
	Licensed/Registered Practical Nurse	140		
	Social Work			280
	Social Services Worker Certificate			280
Vancouver Career College Total		140		280
Center for Distance Education	Non-Health			225
	Health Information Management			225
Center for Distance Education Total			225	
Athabasca University	Nursing	150	520	210
	Bacc Nursing - BScN/BSN/BN		380	
	Nurse Practitioner	150	140	210
Athabasca University Total		150	520	210
Capilano University	Therapist	2,862	2,862	156
	Music Therapist	2,862	2,862	156
Capilano University Total		2,862	2,862	156

APPENDIX D CONTINUED

EDUCATION INSTITUTION	DISCIPLINE	TOTAL STUDENT HOURS		
		FY 16-17	FY 17-18	FY 18-19
West Coast College of Health Care	Technologist/Technician	150		150
	Medical Laboratory Assistant	150		150
West Coast College of Health Care Total		150		150
College of New Caledonia	Administration			38
	Medical Office Assistant			38
	Nursing		180	65
	Licensed/Registered Practical Nurse		180	65
College of New Caledonia Total		180	103	
Paramedic - Undetermined	Paramedic			96
	Advanced Care Paramedic			12
	Primary Care Paramedic			84
Paramedic - Undetermined Total			96	
University of Waterloo	Non-Health			38
	Masters of Public Health			38
	Psychology	1,950		28
	Psychology (PHD)	1,950		28
University of Waterloo Total	1,950		66	
Dalhousie University	Non-Health		42	
	Bachelor of Arts		42	
	Other Health			35
	Other Health			35
	Social Work		1,800	
	Master of Social Work		1,800	
Dalhousie University Total		1,842	35	
Sprott Shaw College	Administration		40	
	Other Administrative		40	
Sprott Shaw College Total			40	
Northern Alberta Institute of Technology	Technologist/Technician		640	
	Magnetic Resonance Imaging (MRI) Technology/Technician		640	
Northern Alberta Institute of Technology Total		640		
Vancouver College of Massage Therapy	Therapist	300	464	
	Massage Therapist	300	464	
Vancouver College of Massage Therapy Total		300	464	

APPENDIX D CONTINUED

EDUCATION INSTITUTION	DISCIPLINE	TOTAL STUDENT HOURS		
		FY 16-17	FY 17-18	FY 18-19
University of British Columbia - Okanagan	Social Work		450	
	Master of Social Work		450	
University of British Columbia - Okanagan Total		450		
MacEwan University	Nursing		420	
	Post-LPN/RPN Specialty		420	
MacEwan University Total			420	
Holland College	Paramedic	4,842	1,774	
	Advanced Care Paramedic	4,842	1,774	
Holland College Total		4,842	1,774	
University of Manitoba	Social Work		420	
	Bachelor of Social Work		420	
University of Manitoba Total			420	
Surrey College	Administration	120		
	Unit Clerk	120		
Surrey College Total		120		
Nicola Valley Institute of Technology	Social Work	420		
	Bachelor of Social Work	420		
Nicola Valley Institute of Technology Total		420		
North Island College	Nursing	280		
	Bacc Nursing - BScN/BSN/BN	280		
North Island College Total		280		
McMaster University	Non-Health		35	
	Masters of Public Health		35	
McMaster University Total			35	
Camosun College	Administration		375	
	Health Unit Coordinator/Nursing Unit Clerk		375	
Camosun College Total			375	
Department of National Defense	Paramedic	36		
	Primary Care Paramedic	36		
Department of National Defense Total		36		
GRAND TOTAL		235,395	255,382	272,052

APPENDIX E NEW HIRE ORIENTATION COURSE – STUDENT EDUCATION QUESTIONS EFFECTIVE UNTIL JANUARY 13, 2019

We would like to learn more about your educational background in order to help continually improve our programs for student and recent graduates. Please help us by completing the following practice education/practicum questions:

Please provide the name of the program that you graduated from:

(Ex. Respiratory Therapy, BSc Nursing)

Please provide the completion date of the program that you graduated from:

(year and month)

Have you had a practicum or student unpaid practice at a PHSA site?

Yes

No

If yes, please indicate the unit/area in which you completed your practicum/placement.

If no, please skip.

Please provide the name of the school that coordinated your practicum or placement at the PHSA site(s).

If you did not complete a practicum or placement at PHSA in the past, please skip.

APPENDIX E NEW HIRE ORIENTATION COURSE – STUDENT EDUCATION QUESTIONS EFFECTIVE FROM JANUARY 14, 2019

Date *(date and time stamp)*

Have you had a student practicum or placement at a PHSA site?

- Yes
- No
- Unsure

Select the site name(s) where your practicum or placement took place. *(drop down menu)*

If Other, please specify the name of the site. *(free form text)*

Select the educational institution you were attending at the time of your practicum. *(drop down menu)*

If you selected 'Other', enter the name of the educational institution. *(free form text)*

Select the discipline you graduated from. *(drop down menu)*

If you selected 'Other', enter the name of the discipline. *(free form text)*

Select the year that you completed your program of study. *(drop down menu)*

If you had a student practice experience at PHSA, did it encourage you to come back and work with us? If you selected 'Other', please provide additional information. *(free form text)*

- Yes
- No
- 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)*