

A network diagram consisting of numerous grey dots connected by thin grey lines, forming a complex web-like structure that fills the background of the page.

PRACTICE EDUCATION METRICS REPORT

3rd Annual Report
Fiscal Year 2015–16

Prepared For:
PHSA Research Committee

Prepared by:
PHSA Research and Academic Services
Beth Palacios • Consultant

ACKNOWLEDGEMENT

The following report is prepared for the Provincial Health Services Authority (PHSA) Board of Directors on an annual basis to present data related to the Framework for PHSA Practice Education Metrics (see Appendix B). As an academic health sciences organization, PHSA works in close partnership with the University of British Columbia, BC Institute of Technology, Simon Fraser University, University of Victoria, University of Northern BC and other BC educational institutions. BC Emergency Health Services works closely with the Justice Institute of BC.

The practice education activities described in this report are made possible only through the collaboration and partnership of PHSA, its agencies and programs, and its academic partners.



TABLE OF CONTENTS

Table of Contents	3
PHSA Practice Education Metrics Summary	5
Executive Summary	7
Build Practice Education Capacity	9
Placement Activity	9
Figure 1. Total Student Hours by Agency, Placement Type & Fiscal Year: Nursing	9
Figure 2. Total Student Hours by Agency, Placement Type & Fiscal Year: Non-nursing	10
Figure 3. Total Student Hours by Discipline & Fiscal Year: Disciplines with < 10,000 Student hours	11
Figure 4. Total Student Hours by Discipline & Fiscal Year: Disciplines with > 10,000 Student hours	12
Figure 5. Total # of MDUG Placements and Average # of Placement Days by Specialty Program Year 3: Specialties with > 10 Students)	12
Figure 6. Total # of MDUG Placements and Average # of Placement Days by Specialty Program Year 3: Specialties with < 10 Students	13
Figure 7. Total # of MDUG Students and Average # of Placement Days by Specialty Program Year 4	13
Table 1. Total Number Post Graduate Medical Student Placements by Agency, Specialty and Program Year	14
Figure 8. Number of Confirmed Placement Requests by Month and Fiscal Year	16
Figure 9. Number of Medical Student Placement Requests by Month: July 2015–June 2016	17
Figure 10. Top Reasons for Placement Decline by PHSA by Fiscal Year	18
Preceptor/Educator Training	19
Table 2. Number of Preceptors/Educators trained by the Educator Pathway Program by Agency	19
Preceptor/Destination Activity	20
Figure 11. Number of HSPnet Preceptors by Student Placement Activity and Fiscal Year: Nursing	20
Figure 12. Number of HSPnet Preceptors by Student Placement Activity and Fiscal Year: Non-nursing	21
Table 3. Number of BCEHS Preceptors & Placement Activity by Program by Fiscal Year	22
Figure 13. Total Number of Destinations by Placement Activity, Site and FY	22
Table 4. Estimated Cost of PHSA Preceptor Time by Discipline and Encounter Type in FY 2015–16	23

Build Effective Partnerships and Collaborations that Support Innovation	24
Figure 14. Number of Affiliation Agreements by Region and Sector by FY	24
Figure 15. Number of Affiliation Agreements Utilizing Standard Template by FY	25
Figure 16. Number of Student Hours by Top 10 Educational Institutions by FY: All Disciplines	25
Figure 17. Number of Student Hours by Top 8 Educational Institutions by FY: Nursing Placements	26
Figure 18. Number of Student Hours by Top 8 Educational Institutions by FY: Non-nursing Placements	26
Figure 19. Distribution of Student Hours by Placement Setting in FY 2015–16	27
Figure 20. Percent of Student Hours by Practice Setting by Agency in FY 2015–16	28
Monitor the Quality of Clinical Learning Environment and Results	29
Appendices	30
Appendix A. Student Education Coordinating Committee*	30
Appendix B. Framework for PHSA Practice Education Metrics	31
Appendix C. Glossary	32
Appendix D. Total Student Hours by Discipline and Sub-discipline by Agency	35
Appendix E. Total Student Hours by Top Education Institutions by Sub-Discipline	40
Appendix F. Destinations with a placement by Fiscal Year: BCCH	47
Appendix G. Destinations with a placement by Fiscal Year: BCW	50
Appendix H. Destinations with a placement by Fiscal Year: All Other PHSA Sites	52
Appendix I. Education Institutions with Affiliation Agreements in Place FY 2015–16	55

PHSA PRACTICE EDUCATION METRICS SUMMARY

Indicator		Key Measure Description	FY 2013-14	FY 2014-15*	FY 2015-16
			Value	Value	Value
Build Practice Education Capacity	1a	Total Number of Student Hours by Agency (excludes medical students)	218,407	197,112	245,559
		BCCH	79,173	97,326	99,880
		BCEHS	67,840	50,112	75,264
		BCW	31,045	30,899	38,160
		BCCA: all locations	23,893	6,033	16,943
		SunnyHill	8,080	4,456	5,043
		BCMHS (Forensics, Mental Health & Addictions, Burnaby Centre for MH)	7,672	11,978	2,089
		All Other (BCCDC, BC Transplant, Cardiac Services BC, PSBC)	704	720	1,136
	1b	Total Number of Medical Students (Undergraduate & Post-Graduate)		<i>Jul/Aug only</i>	<i>Full Year</i>
		Undergraduate Medical Students (annual)	TBD	123	403
	Post-Graduate Medical Students (annual)	TBD	199	571	
1c	Total Number of Medical Student Hours by Student Type and Specialty	TBD	TBD	297,760	
1e	Estimated Cost of Staff Time by Encounter Type				
	One-to-one	\$4,288,537	\$2,882,153	\$3,958,872	
	Group	\$195,804	\$113,237	\$102,202	
1f	Total Number of confirmed placement requests in HSPnet	580	619	674	
1g	Total Number of PHSA declined placement requests in HSPnet	280	261	263	
1h	Total Number of Staff Participants involved in Preceptor/ Educator Training				
	Educator Pathway Project (Preceptor/Educator Training)	89	86	40	
	BC Emergency Health Services (Preceptor Training)	139	20	27	
1i	Total Number of Preceptors in HSPnet with and without a placement				
	With a placement	90	229	253	
	Without a placement	446	280	280	
1j	Total Number of Destinations in HSPnet with and without a placement				
	With a placement	125	138	157	
	Without a placement	276	281	276	

Indicator		Key Measure Description	FY 2013-14	FY 2014-15*	FY 2015-16
			Value	Value	Value
Build Effective Partnerships and Collaborations to Support Innovation	2a	Total # of Affiliation Agreements (% based on standard template)	77(71%)	73(71%)	77(75%)
	2b	Top 5 Education Institutions by placement hours: all disciplines			
		BCIT	68,352	50,176	75,448
		JIBC	36,914	37,043	41,881
		University of BC (excluding undergraduate and post-graduate medical students)	40,263	27,520	34,778
		Langara	19,692	24,738	30,895
	Thompson Rivers University	12,404	16,535	18,968	
2c	Total Number of student hours in an ambulatory/outpatient care setting	32,916	20,329	33,521	
2d	Distribution of Student Hours by practice education setting				
	Inpatient	89,980	98,962	105,901	
	On Car (Paramedic)	67,840	50,112	75,264	
	Ambulatory/Outpatient	32,916	20,329	33,521	
	Mixed (OP/Amb & Inpatient)	27,477	26,797	23,080	
Admin/Support Services & Public/Population Health	8,404	552	7,794		
Quality of Clinical Learning Environment and Results	3a	# of hires at PHSA with previous PE Placement	TBD	TBD	TBD
	3b	Quality of the Clinical Learning Environment survey results	TBD	TBD	TBD
	3c	Readiness for Student Practice Education survey results	TBD	TBD	TBD

*Please note that Radiation Therapy hours are not included for FY 14-15 and total 24,720 hours.

EXECUTIVE SUMMARY

This is the 3rd annual Practice Education Metrics report based on the Framework for PHSA Practice Education Metrics (see Appendix B) which was developed as part of the Action Plan for Student Practice Education (2012-2015) and includes three broad categories of indicators: **1) Build Practice Education Capacity; 2) Build Effective Partnerships and Collaborations that Support Innovation; and 3) Monitor the Quality of the Clinical Learning Environment and Results.**

This report includes measures in the first two categories of indicators. While every effort was made to collect data for all indicators, some data was unavailable but considered important to continue to pursue for future reporting.

For the first time since the report's inception, UBC medical student placement data, except for visiting students, is included. PHSA facilities and agencies accepted 3,773 placement requests for 403 medical doctor undergraduates and for 571 post-graduates. While this provides a sense of the volume of medical students at PHSA facilities, work is still underway to provide the total number of student **hours** of placement activity as is shown for all allied health and nursing placements. In addition, data are not yet available for UBC's visiting medical students (of which 40% are international) or those visiting students who coordinate their own placements through direct contact with physicians and the College of Physicians & Surgeons. UBC estimates the total number of these students to be in excess of 2,000 per year for the province. Inclusion of these data has greatly improved PHSA's organizational understanding of training activities in medical specialties and, has enabled auto-provisioning of medical students and residents for access to computer networks, and clinical information systems. These data provide a strong foundation for future endeavors to capture and report more fully on both UBC and non-UBC visiting medical student placement activity.

Another change this year is a clarification of the type of student placement activity contained in this report. HSPnet, as the provincial management system of health science practice placements, is designed to manage and track placements requested by external academic institutions for students enrolled in an academic health sciences program. In addition to student placements, PHSA employees require practice placements for in-house advanced diploma programs or to gain further clinical skills and knowledge. This workplace learning is post licensure. These programs are taught by PHSA staff and are not associated with an academic institution and therefore are excluded from this report. Examples of such program include when a Critical Care Paramedic (CCP) currently employed as an advanced care paramedic takes additional training to obtain CCP certification or when a registered nurse participates in PHSA's operating room program.

For fiscal year 2015–16, Total Number of Student hours (not including medical student and resident data) was 245,559. While this appears to be an increase over last year's total, 24,720 placement hours for the BCIT Radiation Therapy program were not entered into HSPnet. Radiation Therapy is partially included for FY 15–16. Further details on student hours by discipline can be found in the Placement Activity section in the body of the report.

HSPnet is currently utilized by most health disciplines at PHSA agencies but does not capture 100% of placement activity. Current disciplines not utilizing HSPnet for placement management are PHSA corporate departments (Information Technology, Communications, Finance, and Human Resources), Population and Public Health, paramedic program placements and lab programs at BCCA. The ability to trend three years of data has also lead to the discovery of departments that do not consistently utilize HSPnet for all placements. Work to on-board more

disciplines and strengthen the use and quality of HSPnet use across PHSA is ongoing.

Work is underway to report the indicators in category three, Monitor the Quality of the Clinical Learning Environment and Results. PHSA Human Resources (HR) has committed to collect previous placement data on all new hires, but this project has been delayed due to the upgrade of Peoplesoft, PHSA's human resources management tool. HR is exploring an interim process until the Peoplesoft upgrade is complete. This much needed metric will help inform the link between hosting practice placements and recruitment at PHSA.

In addition, the publication of the PLACES study¹, *Placements for Learners: Assessing Capacity and Effectiveness of Clinical Sites*, took place in February 2015. This study validated two survey instruments to measure the quality of the clinical learning environment and the readiness of staff, residents and physicians to host students. The Student Education Coordinating Committee (SECC) will work in partnership with agency leadership to determine which departments/units pilot the tools over the next year.

To better understand the metrics report, it is helpful to refer to the glossary and definitions document (see Appendix C) that guided data collection.

Further work to increase the use of HSPnet, and strengthen the quality of HSPnet data are ongoing through the efforts of the HSPnet Improvement Project (HIP) Working Group. By developing a community of practice for HSPnet users the working group aims to increase the expertise of HSPnet users across PHSA. Working with stakeholders, HIP will explore ways to produce accurate HSPnet reports to guide operational decision making, provide academic institutions their required information in a timely manner and develop consistent approaches to collecting and comparing data across PHSA.

Work is currently underway to renew the Practice Education Strategy and refine the metrics framework accordingly.

1. Currie LM, Wolff AC, Mickelson G, Chamberlin, C (February 2015). *Placements for Learners: Assessing Capacity and Effectiveness of Clinical Sites (PLACES)—Final Report*. Prepared for the Michael Smith Foundation for Health Research. Vancouver, BC.

BUILD PRACTICE EDUCATION CAPACITY

Placement Activity

In FY 15–16, PHSA and its agencies provided 245,559 student hours (not including medical students) of which 78% were one-to-one preceptorships (supervised by a PHSA preceptor/employee) and 22% were group placements (supervised by an instructor provided by the educational institution). Nursing placements represent 40% of total student hours. A breakdown of student hours by PHSA agency, placement type and fiscal year can be

found in Figure 1 for nursing and Figure 2 for non-nursing disciplines. Non-nursing disciplines include Administration, Breastfeeding, Counseling, Food & Nutrition, Health Information Management, Leadership Studies, Midwifery, MPH, Paramedic, Pharmacy, Psychology, Rehab, Residential Care/Institutional Aid, Social work, Technologists/Technician, and Therapists.

FIGURE 1 Total Student Hours by Agency, Placement Type & Fiscal Year: Nursing

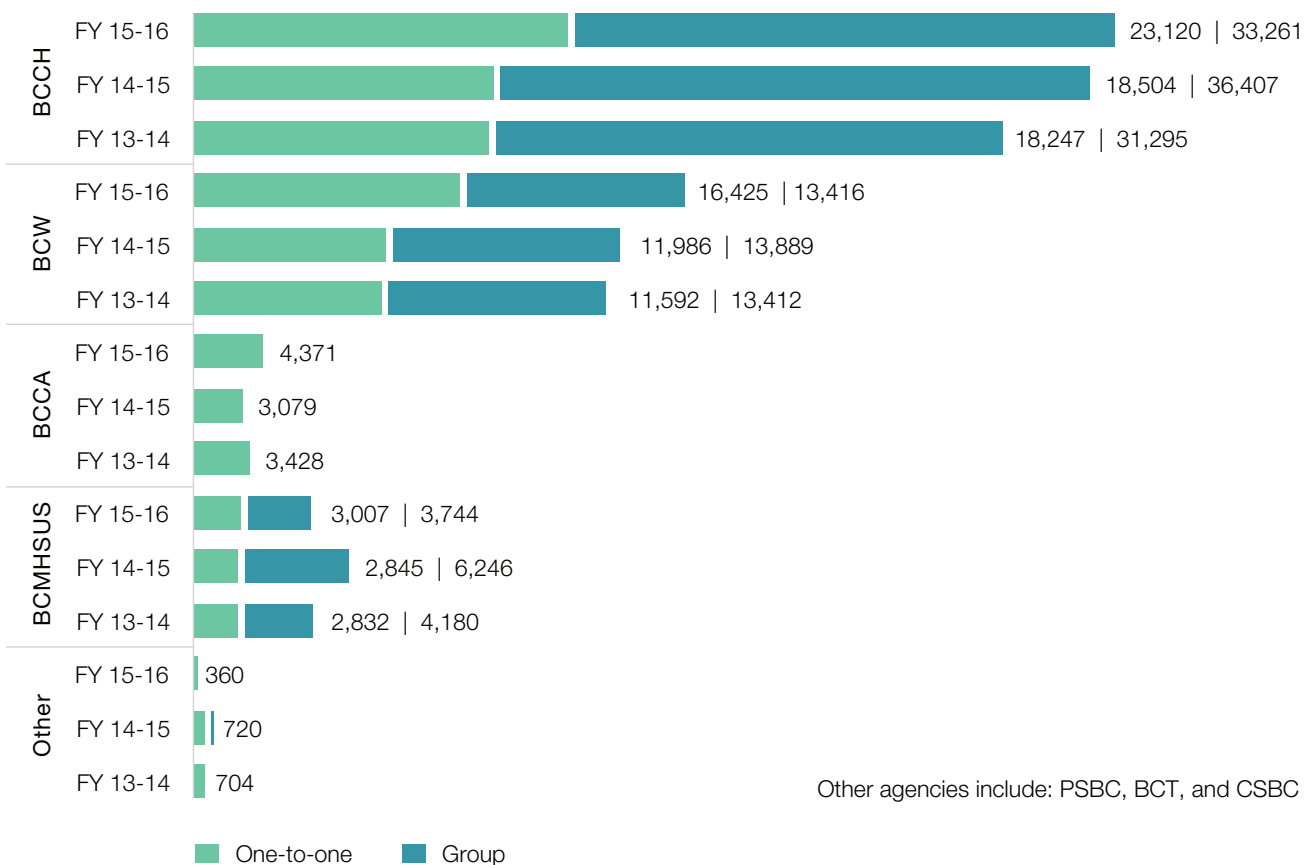
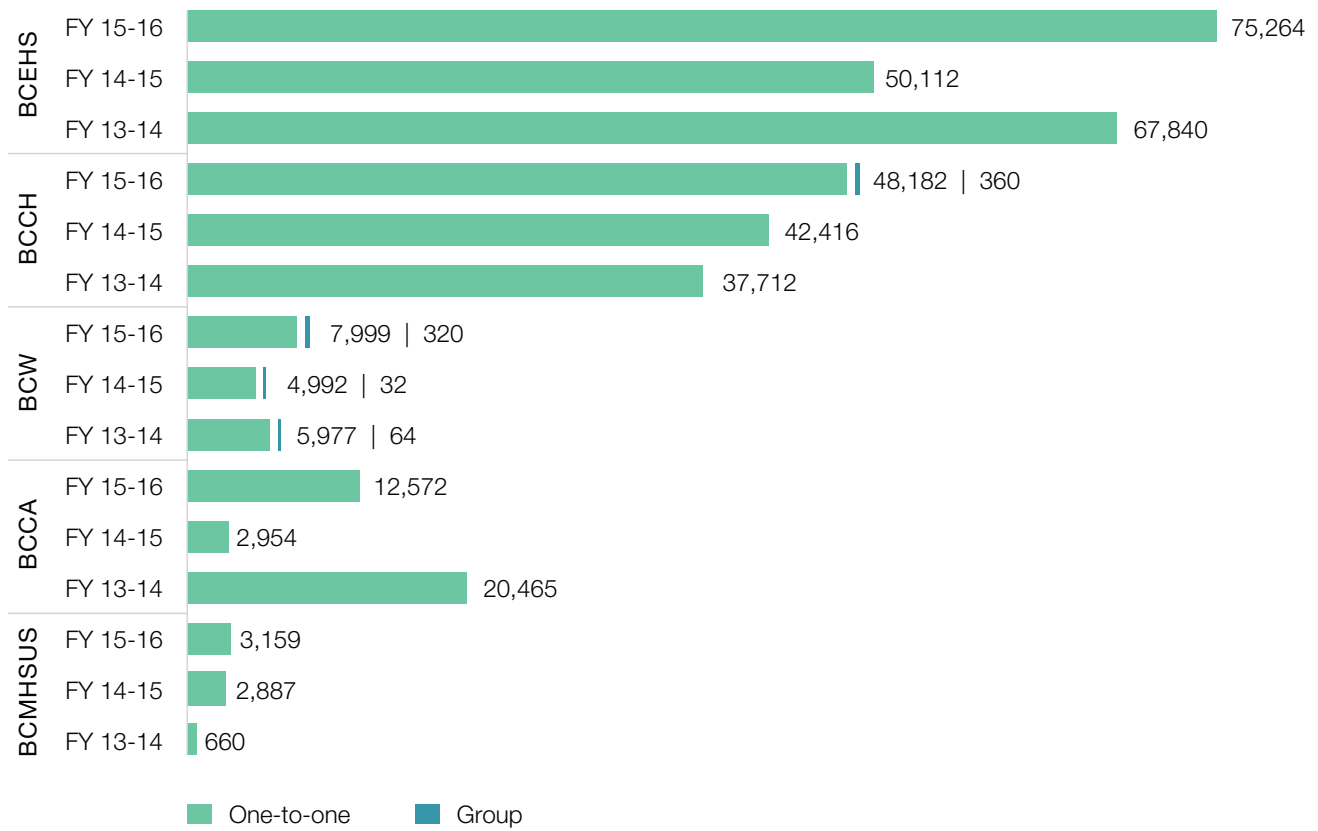


FIGURE 2 Total Student Hours by Agency, Placement Type & Fiscal Year: Non-nursing



A breakdown of hours by discipline and fiscal year can be found in Figures 3 and 4. Figure 3 includes disciplines with less than 10,000 student hours and figure 4 shows

disciplines with greater than 10,000 student hours. A detailed table of student hours by PHSA agency, discipline and sub-discipline is shown in Appendix D.

FIGURE 3 Total Student Hours by Discipline & Fiscal Year: Disciplines with < 10,000 Student hours

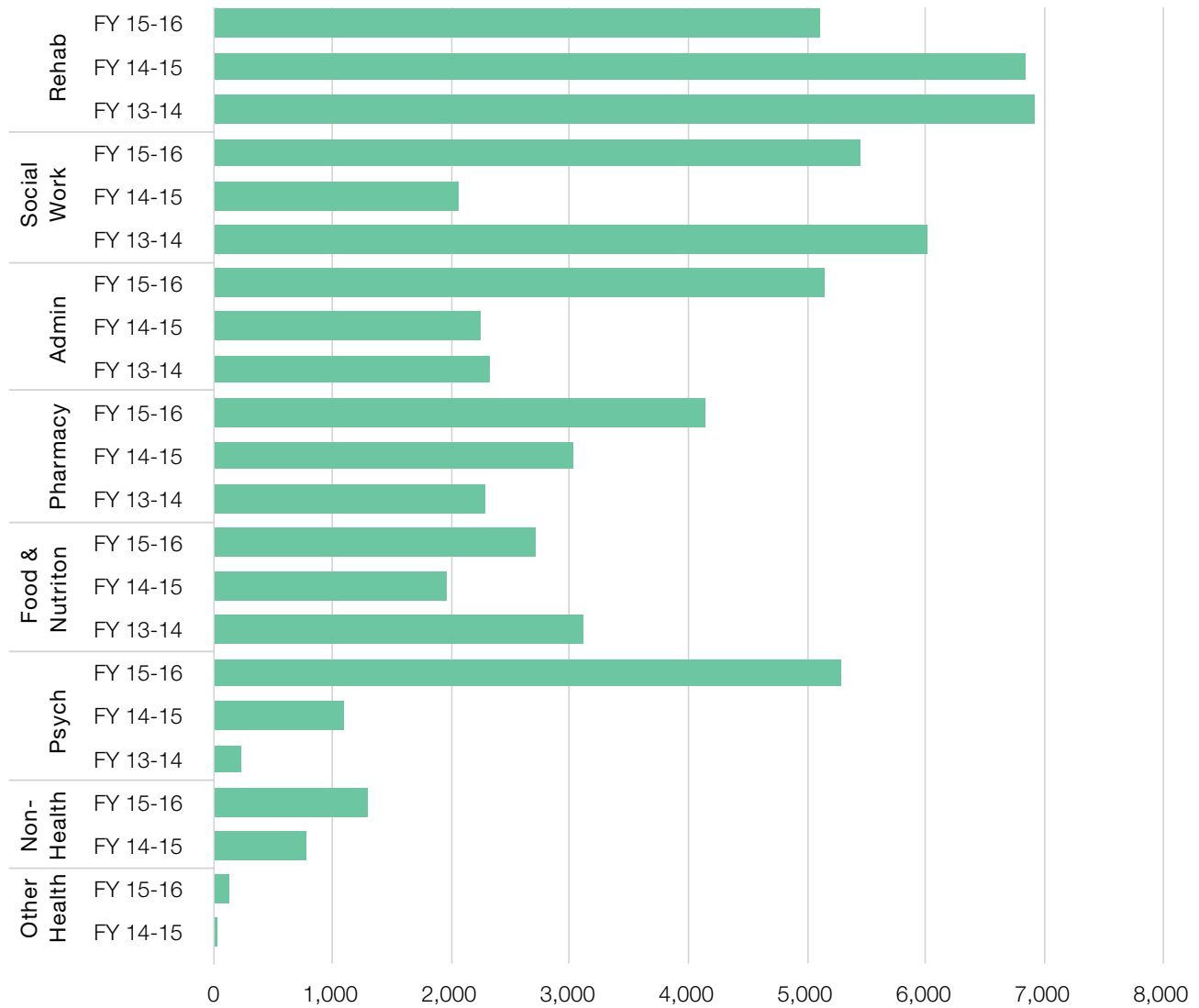
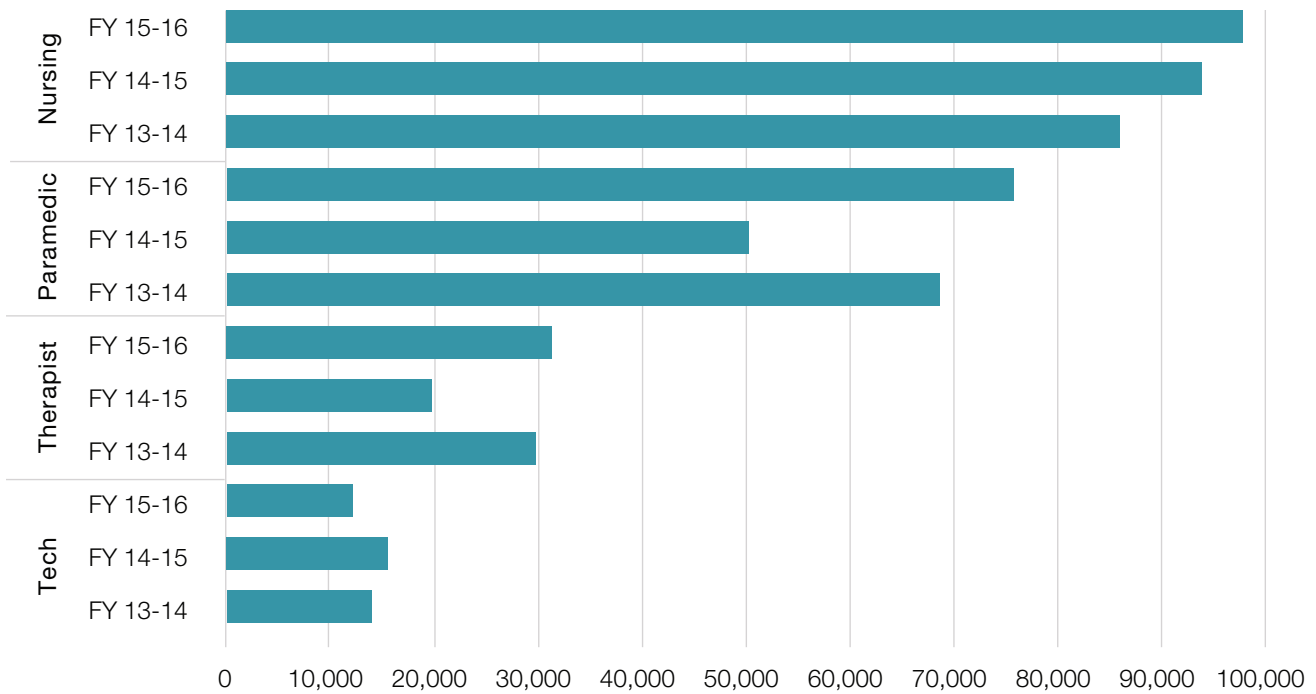


FIGURE 4 Total Student Hours by Discipline & Fiscal Year: Disciplines with > 10,000 Student hours



Through the use of UBC's one45 placement system all clinical placement data for medical students in both the MD Undergraduate and Post Graduate programs are now uploaded to HSPnet for tracking and reporting. Due to this change in process, one full years' worth of data are now available. In addition, the number of requested days (not representative of actual days worked) for the clinical placements can be reported.

The medical doctor undergraduate program (MDUG) had a total of 403 students, representing 1,407 placements, arriving at PHSA facilities from July 1, 2015–June 30, 2016. Although this does not correspond with the fiscal year, it represents a full years' worth of clinical rotations and is representative of annual activity. Figure 5 & 6 shows placement activity for program year 3 and Figure 7 shows program year 4.

FIGURE 5 Total # of MDUG Placements and Average # of Placement Days by Specialty Program Year 3: Specialties with > 10 Students

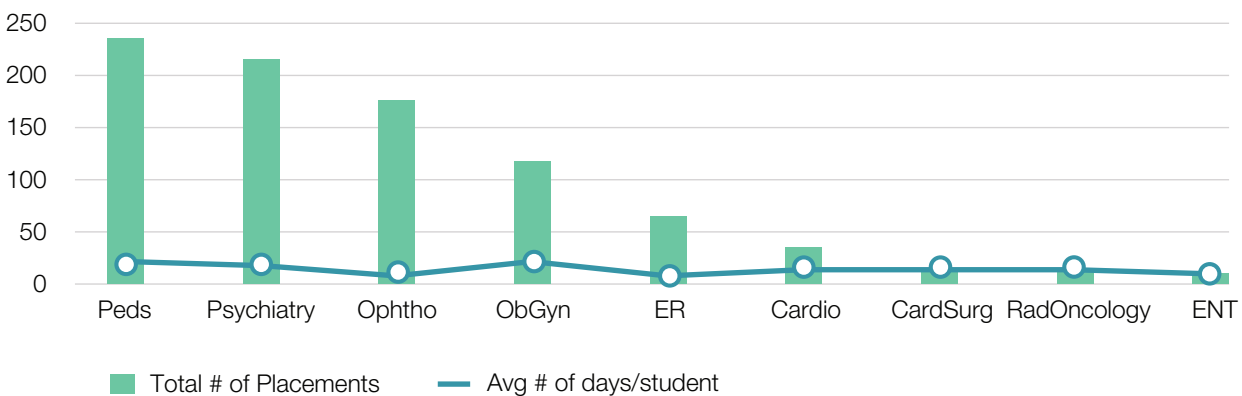


FIGURE 6 Total # of MDUG Placements and Average # of Placement Days by Specialty Program Year 3: Specialties with < 10 Students

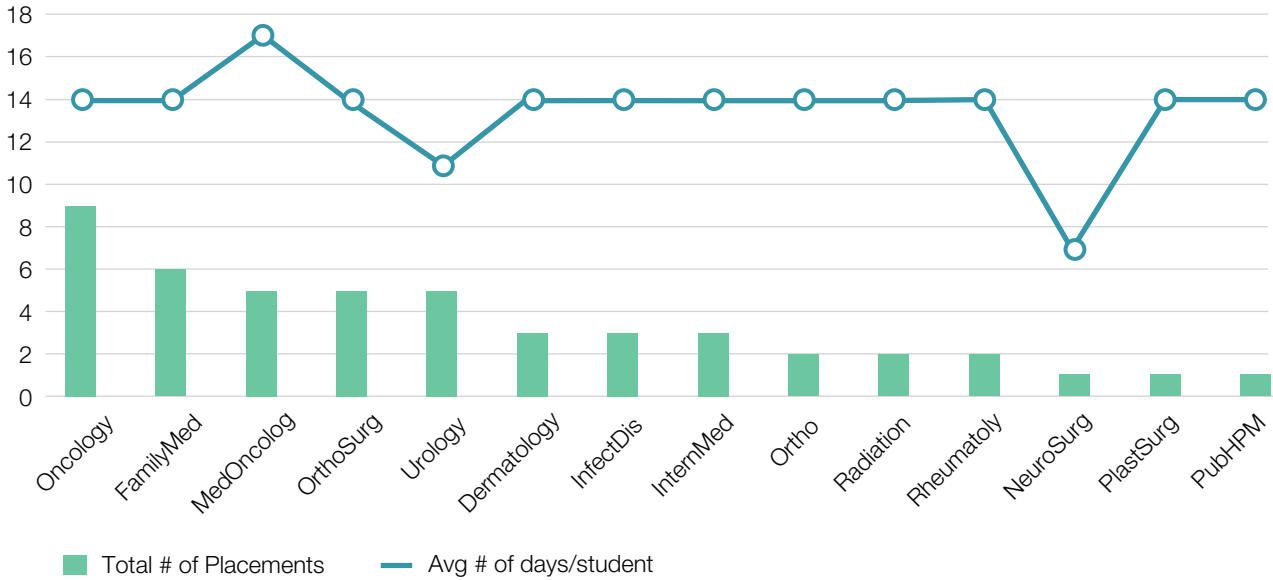
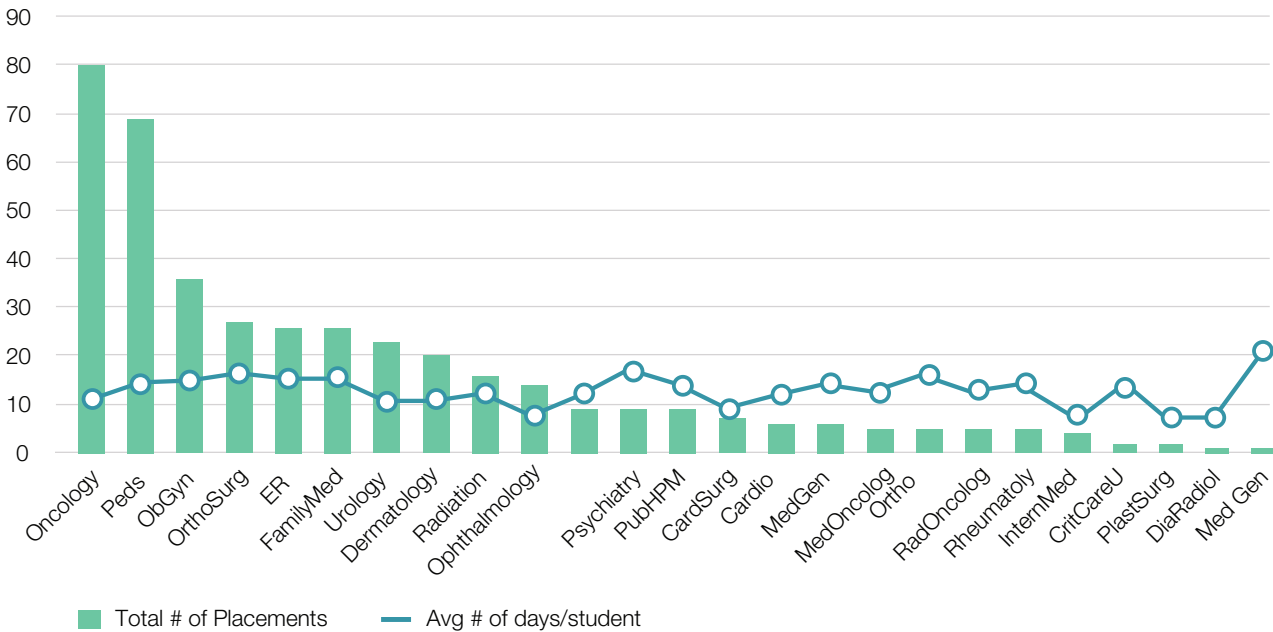


FIGURE 7 Total # of MDUG Students and Average # of Placement Days by Specialty Program Year 4



The post graduate medical education program (PGME) has a total of 571 students representing 2,366 placements, in program years 1–7, arriving at PHSA facilities from July 1, 2015–June 30, 2016. Table 1 shows a breakdown of placement activity by agency, program year and specialty for all placements. The five specialties with the largest number of

placements are Pediatrics (690), Obstetrics and Gynecology (273), Emergency (172), Oncology (152) and Psychiatry (128) and represent 60% of all placements. BC Children's Hospital takes the most students in the disciplines of pediatrics, ER and Psychiatry. BC Women's Hospital's principal discipline is OB/GYN and BC Cancer Agency's is oncology.

TABLE 1 Total Number Post Graduate Medical Student Placements by Agency, Specialty and Program Year

Site	Specialty	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	# of Total Placements
BCCH	Pediatrics	219	143	141	117	36	26	8	690
	ER	75	33	18	20	10	16		172
	Psychiatry	3	8	54	7	20	36		128
	Critical Care	14	29	18	3	6	9		79
	Endocrinology	17	1	2	5	9	27		61
	Anesthesiology			14	37	7			58
	ObGyn	32	1	1	6	1			41
	Gastroenterology	14			11	1	8		34
	Pathology	5	6	3	12	6	1		33
	Orthopedic Surgery		9	1	10	8			28
	Cardiology	14		1		11	1		27
	Infectious Disease		4	2	8	10			24
	Dermatology		4	7	7				18
	Rheumatology		6	1	5	5			17
	Medical Genetics	2	1	2	5	6			16
	Otolaryngology	3	4	2	1	4			14
	Plastic Surgery				7	3			10
	Ophthalmology		1	4	5				10
	General Internal Medicine					8	1		9
	Hematology					8			8
	Family Medicine			7					7
	Diagnostic Radiology					2		3	5
	Neurosurgery			3					3
	Neuroradiology			1	1				2
	Cardiac Surgery	1					1		2
	Neuropathology						1		1
Nuclear Medicine							1	1	

Site	Specialty	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	# of Total Placements
BCCA	Oncology	13	11	19	51	35	13	10	152
	Radiation Oncology	5	18	15	17	18	2		75
	Pathology	2	2	13	24	10			51
	ObGyn		2	17	11				30
	Psychiatry			1	19	3			23
	Dermatology		3	7	3				13
	Palliative			8					8
	Neurology				1	4			5
	Medical Oncology			1					1
	Gastroenterology				1				1
BCW	ObGyn	54	45	74	34	50	8	8	273
	Anesthesiology		22	2	4	20			48
	Family Medicine	38	4	1					43
	Urology	5	7	2	1	6			21
	Diagnostic Radiology		4	4	7	4			19
	Medical Genetics			2	7	7	1		17
	Psychiatry	1			2	4			7
	Infectious Disease				3				3
	Hematology				1	2			3
	Endocrinology		2						2
BCCDC	Pathology		9	3	8	4	1		25
	Public Health			7					7
	Respirology				2				2
	Infectious Disease					1			1
SunnyHill	Pediatrics	1	3	11	7	11	5		38
Grand Total		518	386	466	487	325	158	26	2,366

For both the MDUG and PGME programs, the HSPnet data are being utilized for provisioning of computer access to most of PSHA administrative and clinical systems.

The number of nursing placement requests processed by month (see Figure 8) illustrates continued high demand in September, January and May and represents 71% of all nursing placement requests. Non-nursing requests were

more evenly distributed throughout the year with only 46% requested in September, January, and May. The large increase of non-nursing requests in January was caused by requests for both respiratory and radiation therapy placements, which had fewer requests in previous fiscal years. Excluded from these graphs are medical students (see figure 9), and paramedic placements whose current policies result in an equal distribution of placements throughout the year.

FIGURE 8 Number of Confirmed Placement Requests by Month and Fiscal Year

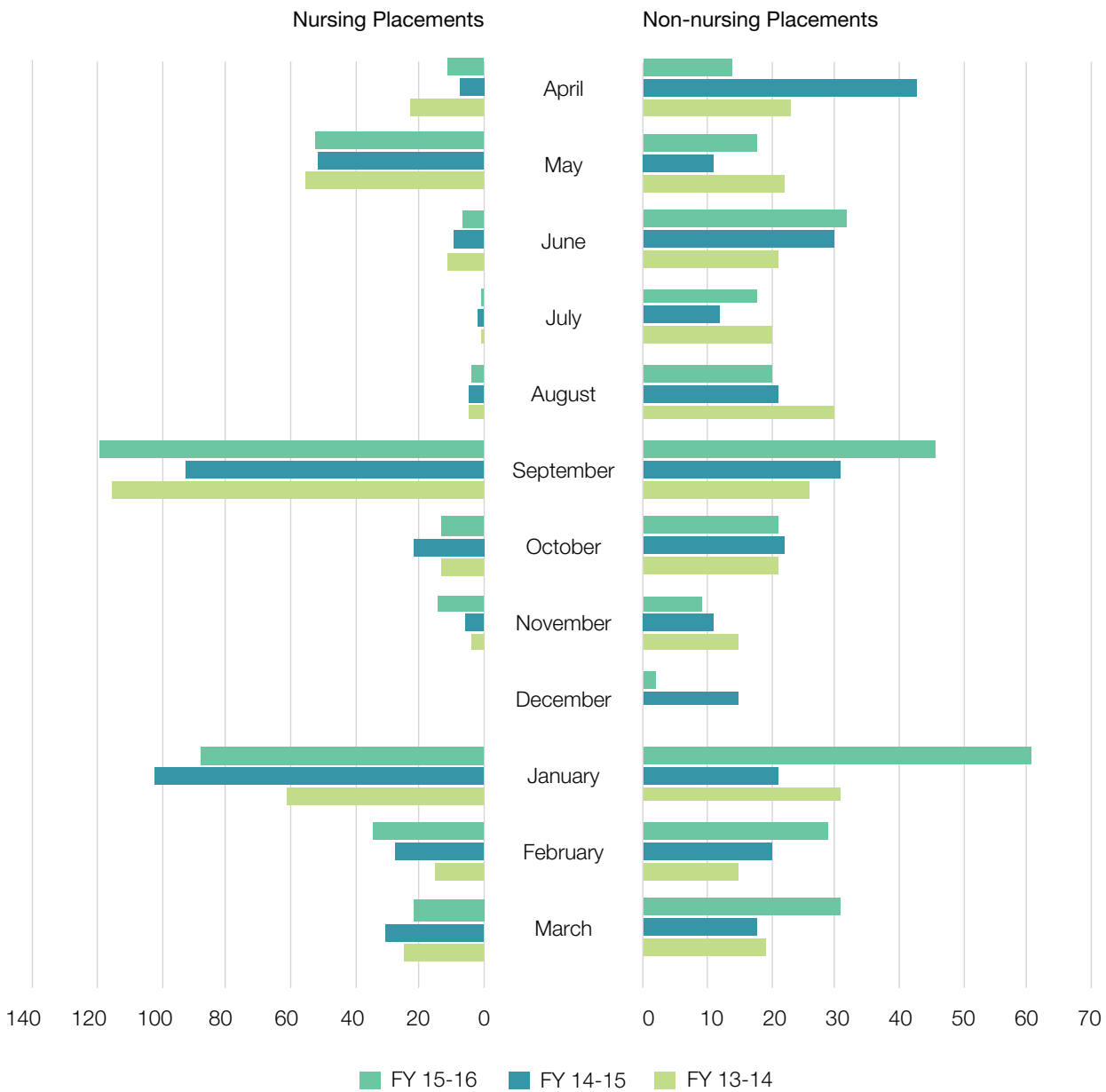
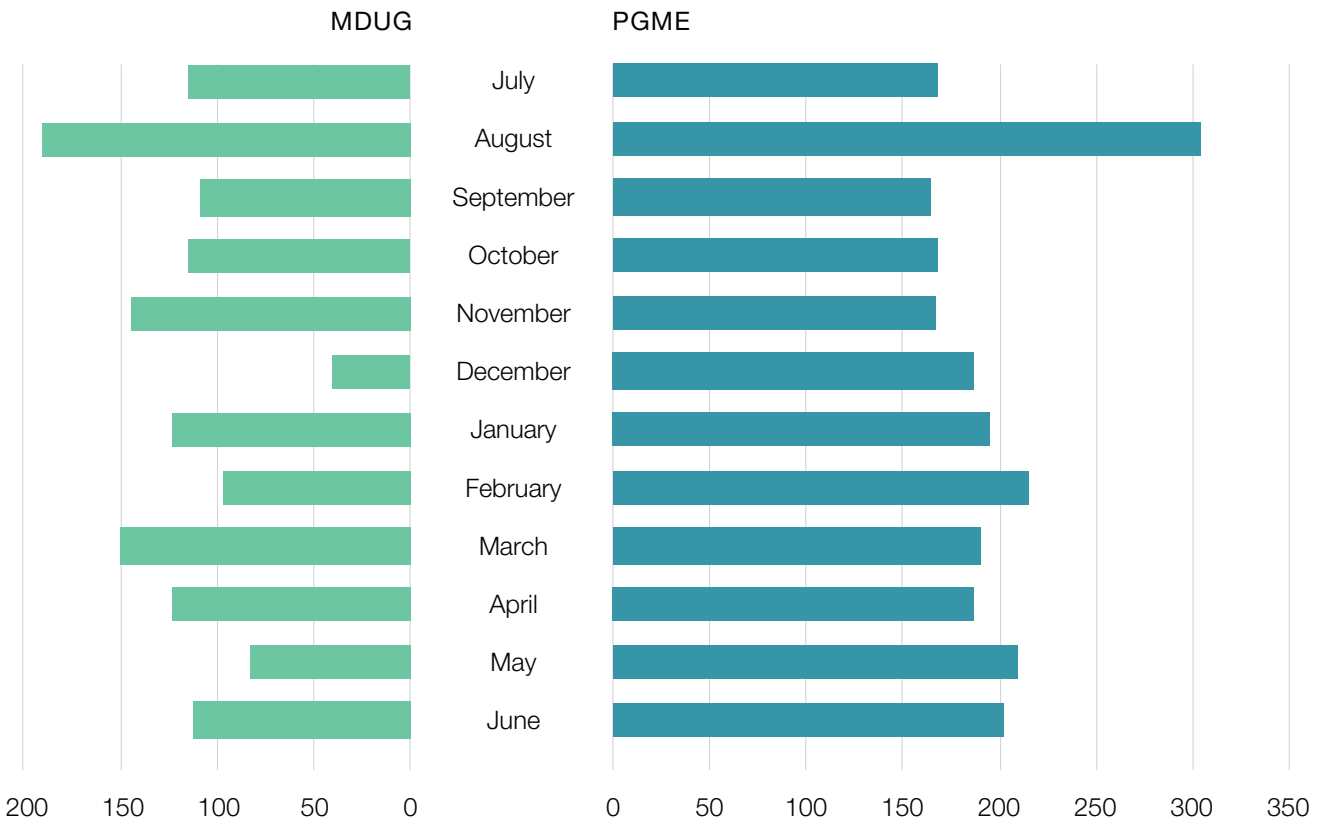


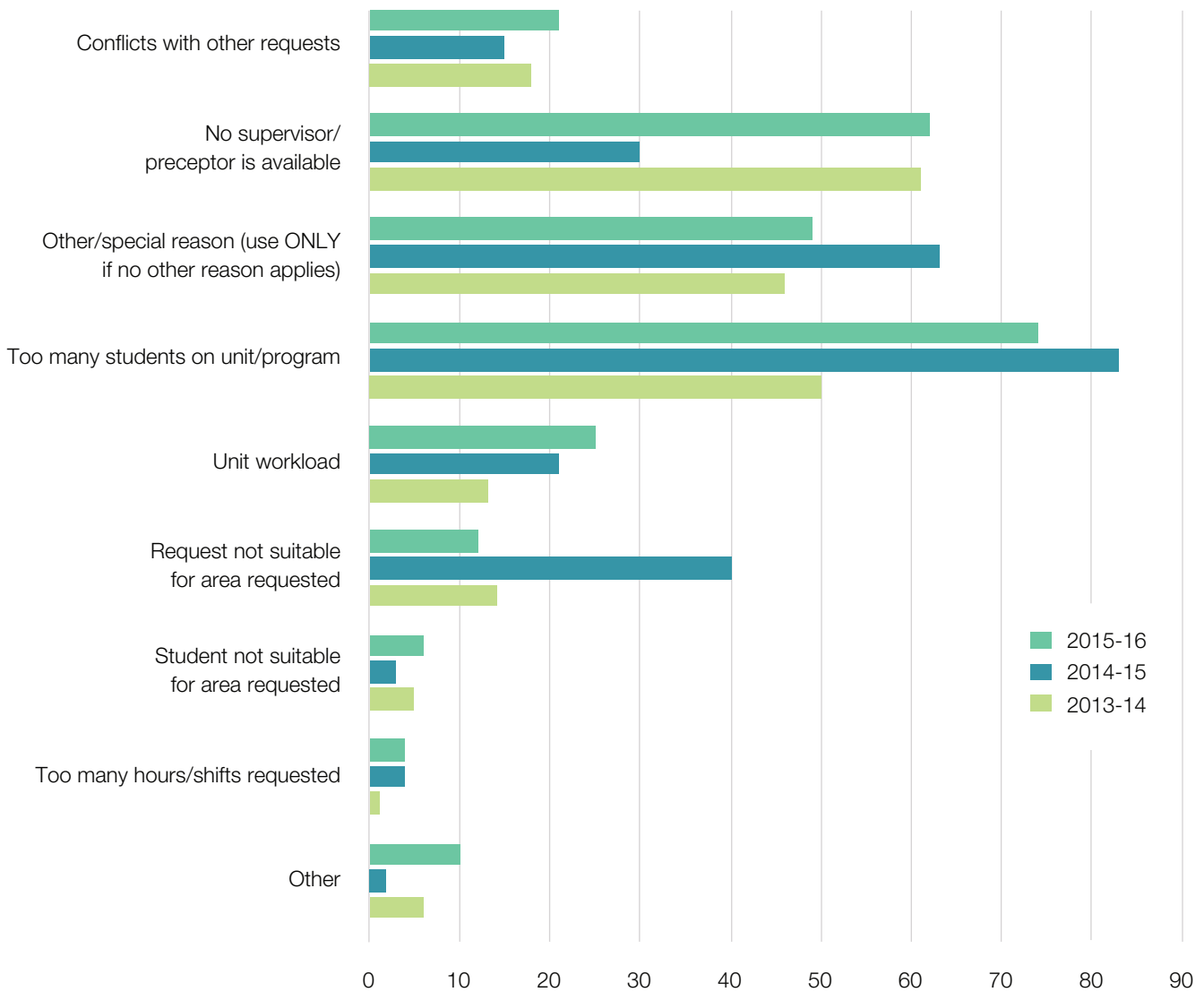
FIGURE 9 Number of Medical Student Placement Requests by Month: July 2015–June 2016



In FY 2015–16, PHSA agencies declined a total of 263 placement requests representing 393 students, excluding medical students. Requests are for individual and group placements which is why the number of students exceeds the number of requests. Top reasons for these declines are shown in Figure 10. The top discipline declined is

baccalaureate student nurse (BSN) placements from lower mainland education institutions. While there is consistently greater demand for placements in our specialty areas than supply, this is an important metric to measure to inform PHSA's efforts to reach optimal placement capacity.

FIGURE 10 Top Reasons for Placement Decline by PHSA by Fiscal Year



Preceptor/Educator Training

PHSA staff participation in preceptor development is a key measure of practice education readiness and an indication of available capacity. Currently, PHSA utilizes the Educator Pathway (EP) program in conjunction with agency specific preceptor development courses to educate and support staff who work with students to deliver the practice education component of health care provider education programs. The EP Program consists of 4 levels (see glossary) with level

1 being specific to each health authority. During FY 15–16, the Level 3 of the Educator Pathway program, underwent curriculum redesign so had no cohort. See table 2 below for a breakdown of preceptor training by agency. In addition to the EP level 1 training, BCEHS's agency specific program trained 20 PCP and 7 ACP preceptors in FY 15–16.

TABLE 2 Number of Preceptors/Educators trained by the Educator Pathway Program by Agency

Agency	Number of Participants 2015/16	
	L1	L2
BCCH/BCW	20 (15 nursing, 4 radiation therapist, 1 perfusion)	2 nursing
BCCDC	0	2 RNs
BCCA	6 (2 radiation therapist, 4 RNs)	2 radiation therapist
BCMHSUS	2 RNs	0
BC Lab	1 tech	0
BC Transplant	1 RN	0
Total	30	6

Preceptor/Destination Activity

PHSA has a total of 533 active preceptors in FY 15–16, that represent preceptors across all PHSA disciplines who have had an active placement within the past two years and utilize 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 requests 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 11 and for non-nursing in Figure 12. These data reflect educating students and does not include educating new employees. Preceptors also educate new staff members and thus, may be unavailable to take a student placement. Whether these data are solely an indication of unused capacity requires further study.

FIGURE 11 Number of HSPnet Preceptors by Student Placement Activity and Fiscal Year: Nursing

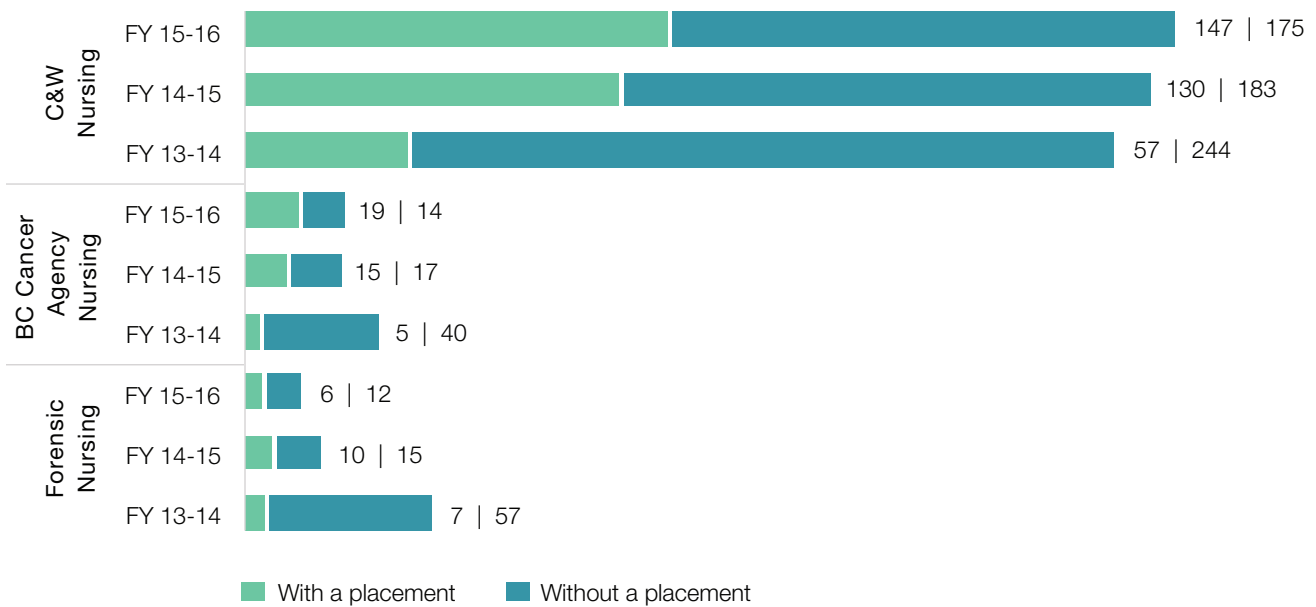
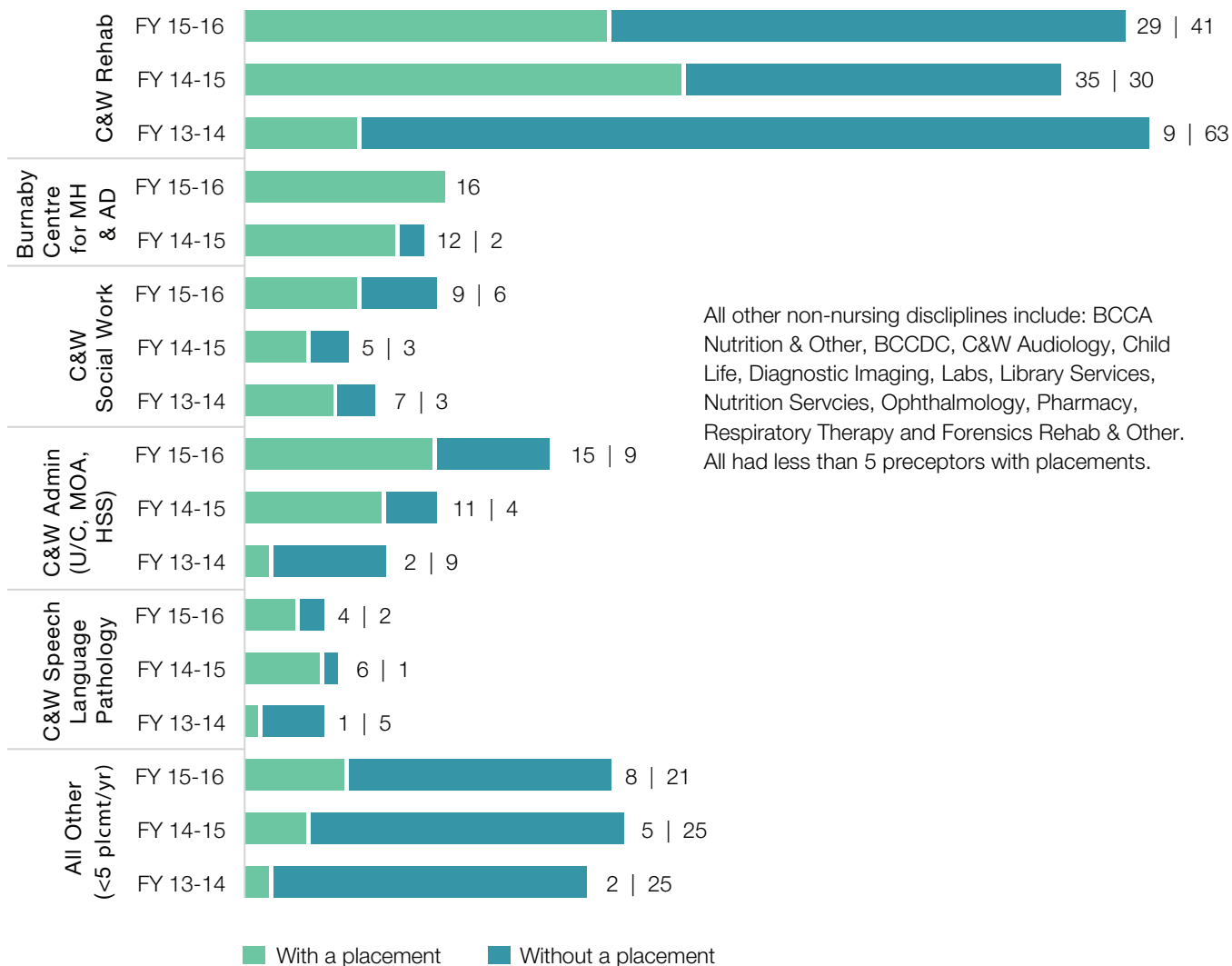


FIGURE 12 Number of HSPnet Preceptors by Student Placement Activity and Fiscal Year: Non-nursing



The number of trained and active preceptors in BC Emergency Health Services (BCEHS) are detailed below in Table 3. This includes all preceptor and student training for the Primary Care Paramedic and Advanced Care Paramedic programs. A decision was made this year to distinguish between programs offered by external academic institutions and those as part of continuing education of current

employees. Due to this change, training for preceptors for BCEHS other programs (Critical Care Paramedic, Infant Transfer Team, and Dispatch) are excluded. Also, tracking of preceptors with an active placement was not possible this fiscal year but methodologies have been put in place to include for future reporting.

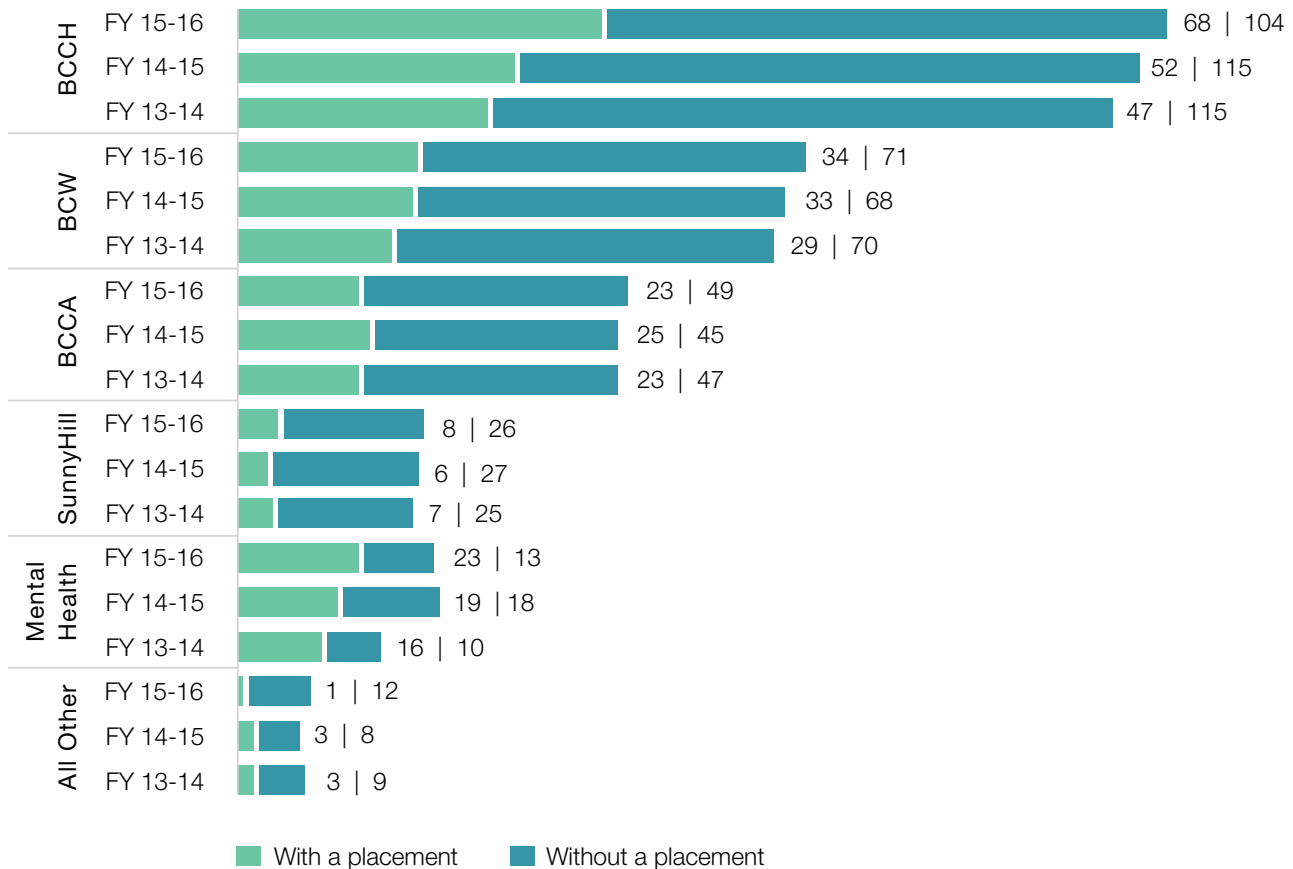
TABLE 3 Number of BCEHS Preceptors & Placement Activity by Program by Fiscal Year

BCEHS Training Program	FY 2013–14		FY 2014–15		FY 2015–16	
	# of Available Preceptors	# of Preceptors with an Active Placement	# of Available Preceptors	# of Preceptors with an Active Placement	# of Available Preceptors	# of Preceptors with an Active Placement
Primary Care Paramedic	180	141 (78%)	145	105 (72%)	176	N/A
Advanced Care Paramedic	106	48 (45%)	112	52 (46%)	113	N/A

In HSPnet, PHSA has a total of 432 unique combinations of Site, Destination and Service locations across all agencies and services. Of these, 157 or 36% received an active placement in FY 15–16. 276 or 64% did not receive a placement in FY 15–16. Figure 13 details the number of destinations with and without placements by PHSA Agency

(Site) by fiscal year. Destinations (agency specific units) with an active placement in FY 2015–16 are detailed in Appendix F for BC Children’s Hospital, Appendix G for BC Women’s Hospital, and Appendix H for all other PHSA agencies. This is an area of focus for the HSPnet Improvement Project.

FIGURE 13 Total Number of Destinations by Placement Activity, Site and FY



One element of the total cost of practice 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, dealing with student performance issues, and evaluations. Utilizing the ratio of

staff hours to student hours, 1:20 for group placements and 1:5 for one-to-one placements, developed from previous reports², and 1:1 for all paramedic programs, Table 4 shows the estimated cost of staff time by discipline for FY 15–16. Also assumed is a \$40 per hour average staff salary cost. Excluded from this table is estimated cost related to medical students.

TABLE 4 Estimated Cost of PHSA Preceptor Time by Discipline and Encounter Type in FY 2015–16

Discipline	Group	One-to-One	Total
Administration	\$0	\$41,256	\$41,256
Food & Nutrition	\$0	\$21,632	\$21,632
Nursing	\$100,842	\$368,400	\$469,242
Paramedic	\$80	\$3,016,320	\$3,016,400
Pharmacy	\$0	\$33,112	\$33,112
Psychology	\$0	\$42,240	\$42,240
Rehabilitation Sciences	\$0	\$40,896	\$40,896
Social Work	\$0	\$43,600	\$43,600
Technologist/Technician	\$0	\$94,976	\$94,976
Therapist	\$1,280	\$245,048	\$246,328
Other Health	\$0	\$1,056	\$1,056
Non Health	\$0	\$10,336	\$10,336
Grand Total	\$ 102,202	\$ 3,958,872	\$ 4,061,074

2. (i) Children’s & Women’s Health Centre of BC (2004). Students and Resident Education at Children’s & Women’s Health Centre of BC: Planning for increased numbers.

(ii) Education and Research in the Fraser Health Authority. (2005). Report prepared by Janet MacIntosh Newberry for Dr. Peter Hill, Vice President, Academic Development and Clinical Innovation.

(iii) Corpus Sanchez International Consultancy Inc. (May 5, 2004). Understanding the costs of academic health sciences centres. Final Report to Vancouver Coastal Health Authority and Provincial Health Services Authority.

BUILD EFFECTIVE PARTNERSHIPS AND COLLABORATIONS THAT SUPPORT INNOVATION

PHSA has affiliation agreements with sixty-nine (69) educational institutions in both the public (75%) and private (25%) sector. See Figure 14 for a breakdown by region and sector. In addition to these, BCEHS has affiliation agreements with BCIT, Heartsafe, AET Paramedic Academy and Holland College. 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 25% of affiliation agreements, they represent less than 3% of total

student practicum hours. For a detailed list of education partners see Appendix I.

As in previous years, PHSA is working to transition all educational institutions to the standard template (see Figure 15) when existing agreements expire and this is a measure of effective risk management, efficiency and building effective partnerships. The number using standard templates is 56 (72%), an increase of 4 in FY 15–16. The Inter-health authority agreement is mostly identical to the standard template.

FIGURE 14 Number of Affiliation Agreements by Region and Sector by FY

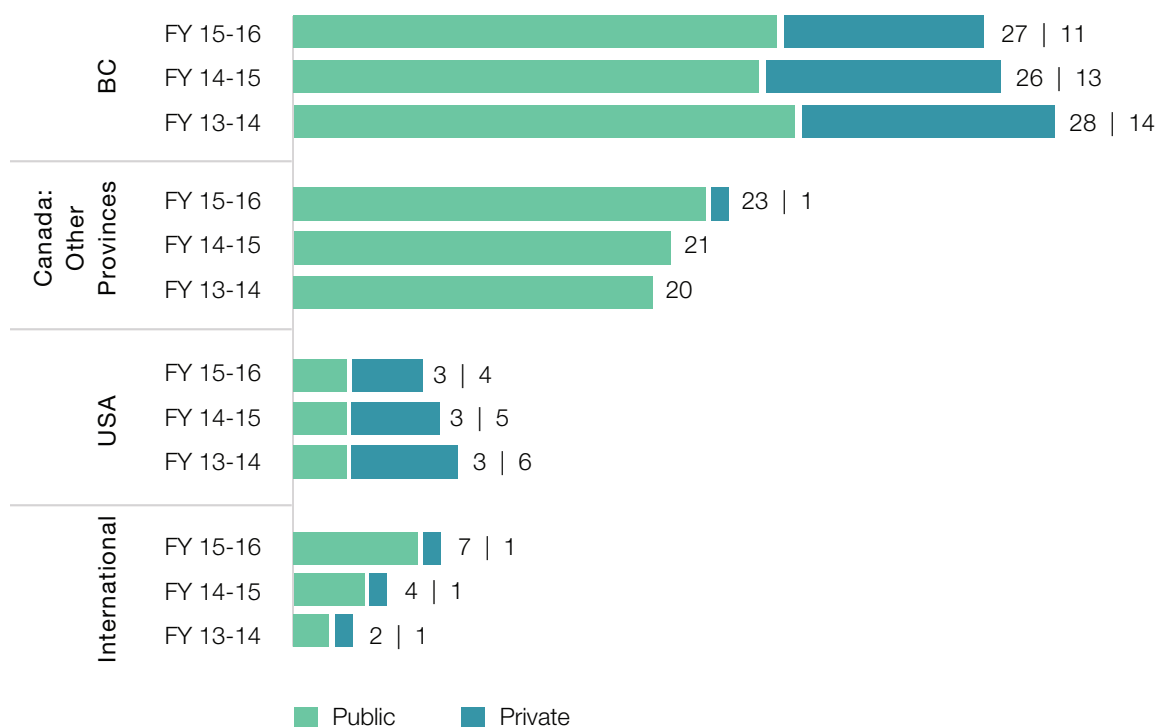
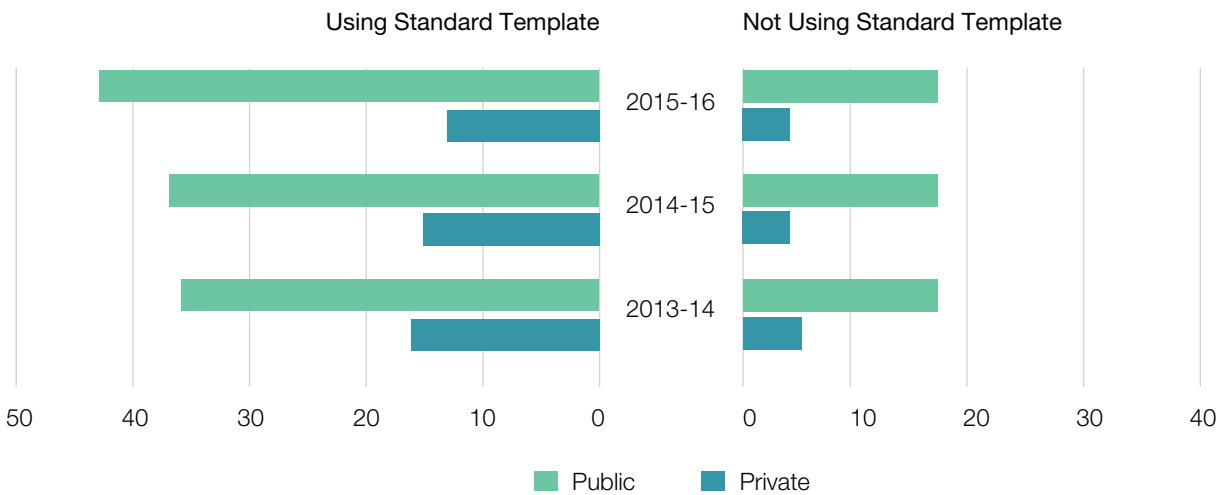


FIGURE 15 Number of Affiliation Agreements Utilizing Standard Template by FY



While PHSA has 69 partnerships in place, 95% of student practice hours for FY 2015–16 were with ten (10) public institutions (see Figure 16). A detailed listing of student hours by institution and discipline can be found in Appendix E. It is important that PHSA continues to strengthen its relationship with primary academic partners, and evaluate relationships with other affiliates to determine whether continued affiliation

is warranted. Note that student hours for UBC does not include medical student/resident placements.

Six (6) public educational institutions constitute 95% of student practice hours for nursing (see figure 17) with Langara College, University of BC and BCIT providing 75% of all placements.

FIGURE 16 Number of Student Hours by Top 10 Educational Institutions by FY: All Disciplines

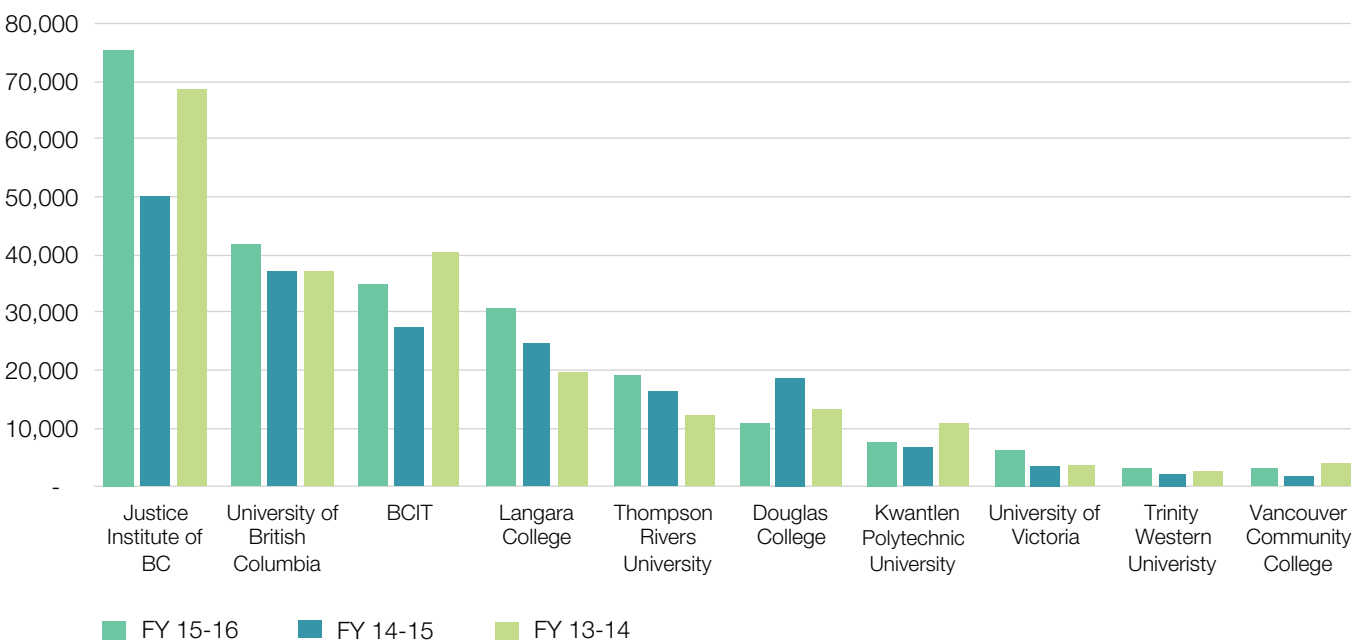
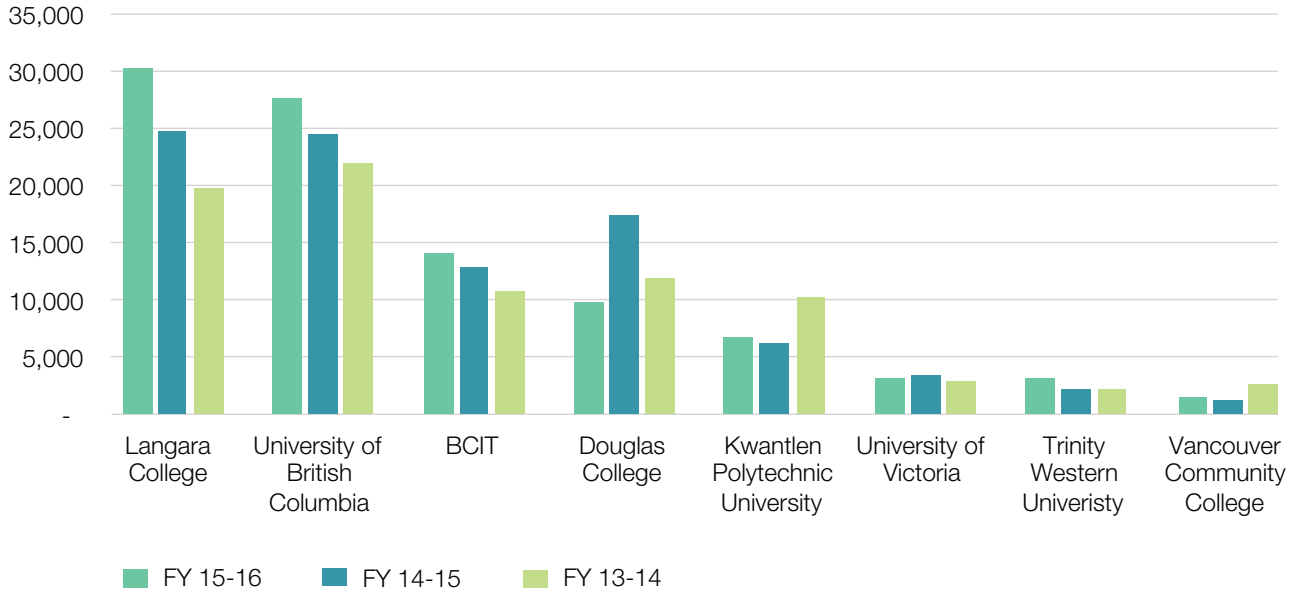


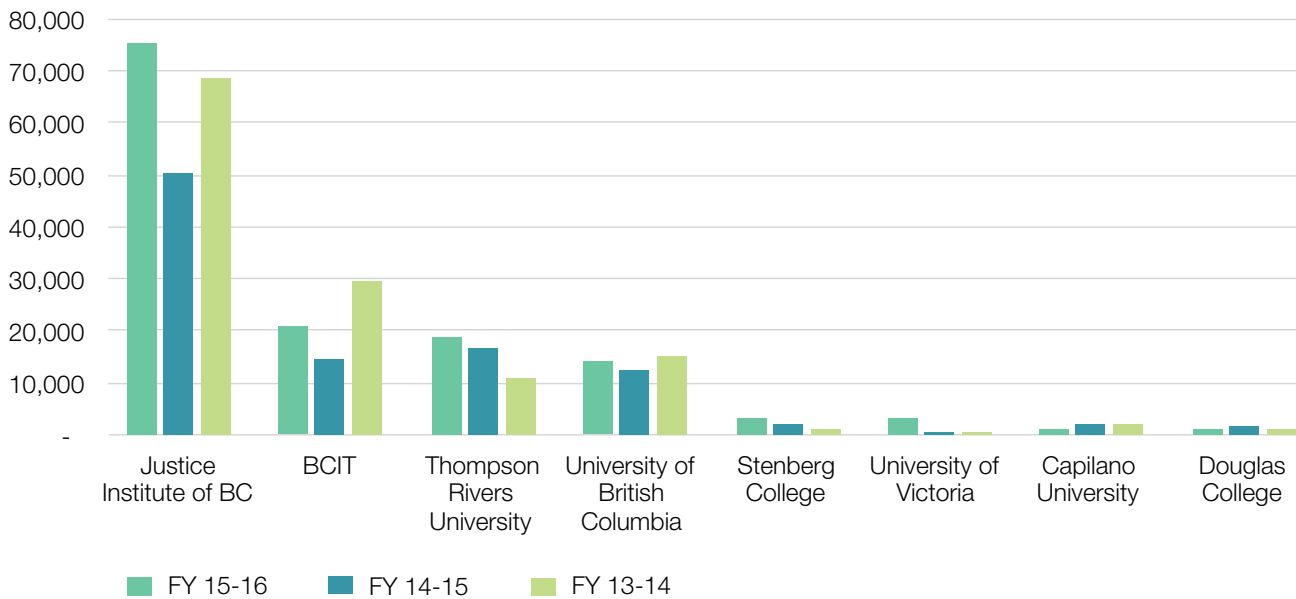
FIGURE 17 Number of Student Hours by Top 8 Educational Institutions by FY: Nursing Placements



The bulk (90%) of student placements for the non-nursing disciplines are provided by five (5) educational institutions (see figure 18), four public and one private: Justice Institute

of BC, BCIT, Thompson Rivers University, University of BC, and Stenberg College.

FIGURE 18 Number of Student Hours by Top 8 Educational Institutions by FY: Non-nursing Placements



The majority of services provided by PHSA agencies are outpatient or ambulatory in nature and delivered by inter-professional teams. Accordingly, a key goal in the PHSA Action Plan for Student Practice Education: 2012–2015 is for PHSA to foster innovation in ambulatory care and inter-professional

practice education placements. See Figure 19 for the distribution of student hours by placement setting.

Practice setting is also influenced by the agency mandate as can be seen in Figure 20. Please see glossary for definitions of practice settings.

FIGURE 19 Distribution of Student Hours by Placement Setting in FY 2015–16

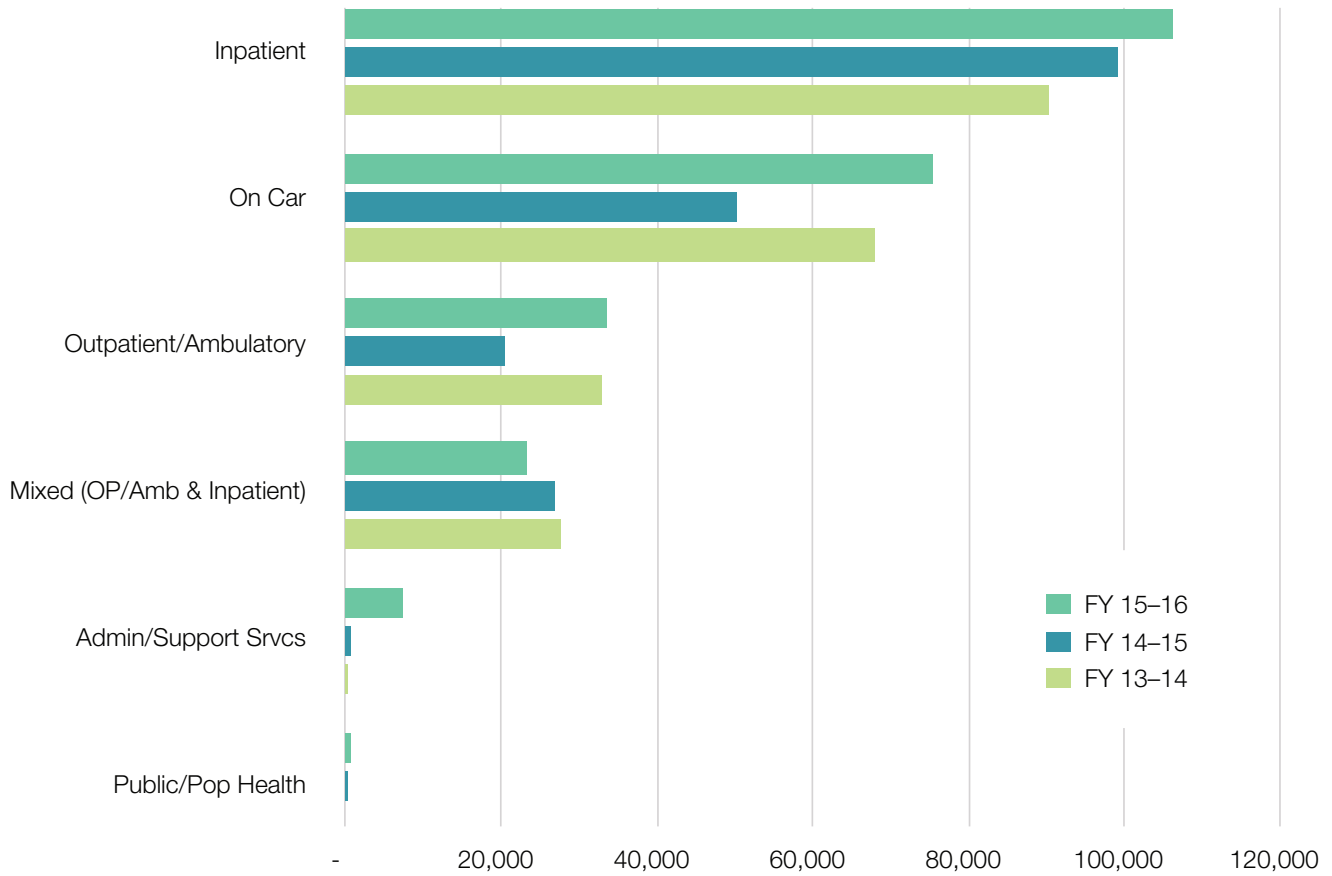
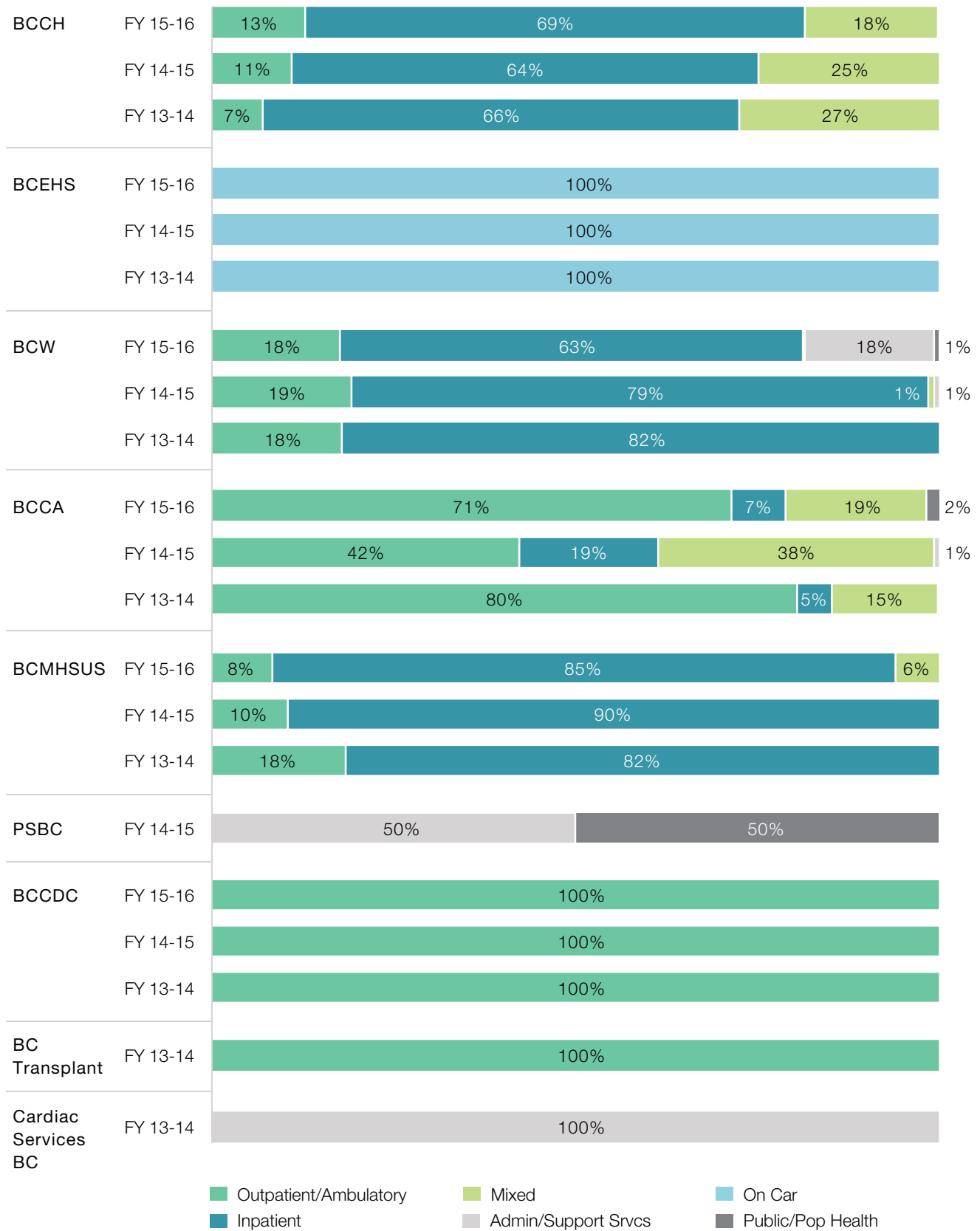


FIGURE 20 Percent of Student Hours by Practice Setting by Agency in FY 2015–16



MONITOR THE QUALITY OF CLINICAL LEARNING ENVIRONMENT AND RESULTS

FY 2014–15 saw the release of the results from the Michael Smith Foundation for Health Research funded project titled “Places for Learners: Assessing Capacity and Effectiveness of Clinical Sites” (PLACES project). PHSA partnered with UBC, VCH, FH, PHC and eight lower mainland schools of nursing on this project. This project produced a validated instrument to assess the quality of the clinical learning environment (QCLE) from three perspectives: 1) students, 2) health authority staff who are teaching and supervising the students, and 3) onsite faculty/instructors from the education institutions.

This project also developed an instrument called “Readiness for Student Practice Education” (RSPE). The RSPE is for use by health authority clinical programs. One of the goals of the PHSA Practice Education action plan for 2016/17 is

to pilot these tools across PHSA. Units/departments will be identified by the Practice Education leaders in each of the agencies in partnership with the Student Education Coordinating Committee.

PHSA Human Resources (HR) has committed to collect previous placement data on all new hires, and is scheduled to be part of the spring 2017 Peoplesoft update. This much needed metric will help inform the link between hosting practice placements and recruitment at PHSA.

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

Appendix A: Student Education Coordinating Committee*

Ellen Chesney ¹	Chief Administrative Officer—Research <i>Executive Sponsor</i>
Sandra Harris ^{4,5,6}	<i>Co-chair</i> , Senior Leader—Clinical Education, Learning & Development
Heather Straight ¹	<i>Co-chair</i> , Corporate Director—Academic Development
Sarah Titcomb ¹	Administrative Coordinator—Academic Development
Cathy Rayment ³	Provincial Library Leader
Luminita Nica ³	Clinical Educator, Radiation Therapy
Jonathan Spence ⁸	Operations Manager
Deana Gill ²	Director—Learning & Development
Karen Derry ⁶	Collaborative Practice Leader
Lori Roxborough ⁶	Associate Director—Occupational Therapy & Physical Therapy (Sunny Hill Health Centre)
Sylvia Wu ⁴	Manager—Education, Dept. of Pediatrics
Karen Mooder ⁹	Multi-site Director—Lower Mainland Pathology & Laboratory Medicine
Deborah Scott ⁷	Leader, Clinical Education, Special Projects & Practice Improvement
Sherry Hamilton ¹	Chief Nursing & Liaison Officer, corresponding
Debbie Mcdougall ^{4,5,6}	Director of Professional Practice, corresponding

-
1. PHSA corporate services
 2. BC Mental Health and Substance Use Services
 3. BC Cancer Agency
 4. BC Children's Hospital
 5. BC Women's Hospital and Health Centre
 6. Sunny Hill Health Centre for Children
 7. BC Emergency Health Services
 8. BC Centre for Disease Control
 9. Lower Mainland Pathology and Laboratory Medicine

* As of April 2016

Appendix B: Framework for PHSA Practice Education Metrics

1. Indicator: Build Practice Education Capacity

This category includes measures reflecting the optimal use of practice education capacity and readiness in specialized care.

- a. # of Student Hours by Receiving Agency, Discipline, and Sub-Discipline
- b. # of medical school students (undergrads & post-grads) by specialty (UBC provided)
- c. *# of medical student hours by specialty (UBC provided)*
- d. No longer reported - Removed FY 14–15
- e. Estimated Cost of Staff Time by Encounter Type
- f. # of confirmed placement requests by month
- g. # of declines by reason (most frequent)
- h. # of staff participants in preceptor/educator training (Educator Pathway Project & BCEHS training)
- i. # preceptors in HSPnet with and without a placement by FY
- j. # of destinations in HSPnet with and without a placement by FY
- k. *# of PHSA staff with practice education activities as part of defined job responsibilities*

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

This category includes measures reflecting partnerships and innovation in ambulatory and inter-professional collaborative practice education placements.

- a. # of formal affiliation agreements and % based on standard template
- b. Top % of Education institutions by student hours
- c. # of student hours in ambulatory/outpatient placement care setting
- d. Distribution of student hours by practice education setting

3. Indicator: Monitor the Quality of the Clinical Learning Environment and Results

This category includes measures reflecting improved practice education planning and decision making and assessment of Practice Education progress and impact.

- a. *# hires at PHSA with previous PE placement*
- b. *Quality of Clinical Learning Environment (QCLE) survey results by Student, HA Staff and Faculty/Instructor*
- c. *Readiness for Student Practice Education (RSPE) survey results by HA clinical program*

* Metrics denoted *in blue and italics* will be reported on in future reports

Appendix C: Glossary

GLOSSARY		
Term	Description	Data Source
Metric Definitions		
Metric 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. <i>Used as a proxy for medical student volume in FY 2013–14</i>	Source: LH Course Completed report from Sarah Titcomb, manual <i>No longer reported, see definition</i>
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

GLOSSARY

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.</p> <p>Level 1: Preceptor/Mentor Theory and Practice (EP Level 1 & 1A)</p> <ul style="list-style-type: none"> · The preceptor and mentor competency development and education programs vary across agencies within PHSA. <p>Level 2: Education Theory and Practice (Staff preparing for Clinical Educator Role)</p> <ul style="list-style-type: none"> · 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. <p>Level 3: Education Theory and Practice:</p> <ul style="list-style-type: none"> · 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 <p>Level 4: Masters 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.</p> <p>All other: HSPnet custom report: Unused Supervisor Report and Listing of all Preceptors run on April 1 from HSPnet report wizard.</p>

GLOSSARY

Term	Description	Data Source
Metric 1j # of Destinations in HSPnet with and without a placement within the Fiscal Year	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.	Source: Customer HSPnet report listing all destinations with and without a placement
Metric 1k # of PHSA staff with practice education activities as part of defined job responsibilities	TBD	TBD
Metric 2a Number of formal affiliation agreements and % based on the Standard Template	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.	Affiliation Agreement excel worksheet from Practice Education + custom fields
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	TBD	TBD
Metric 3b QCLE survey results	TBD	TBD
Metric 3c RSPE survey result	TBD	TBD

Appendix D: Total Student Hours by Discipline and Sub-discipline by Agency

Agency	Discipline	Sub-Discipline	FY 13–14	FY 14–15	FY 15–16	
BCCH	Nursing	Bacc Nursing: BScN/BSN/BN	44,511	51,617	50,447	
		Psychiatric Nursing Bacc: BScN/BN/RPN Psych	1,156	524	2,332	
		Nurse Practitioner	258	1,791	1,466	
		Post-RN Specialty	918	268	1,308	
		Registered Nurse	1,992	160	320	
		Psychiatric Nursing: Diploma	360	455		
		Nursing: Masters	35	96	508	
		Bacc Nursing: Post Diploma BSN/BN	312			
	Nursing Total			49,542	54,910	56,381
	Therapist	Respiratory Therapist	10,780	16,415	18,620	
		Music Therapist	1,700	850		
		Recreation Therapist Degree		560	560	
		Recreation Therapist	700			
		Massage Therapist			360	
	Therapist Total			13,180	17,825	19,540
	Technologist/Technician	Medical Laboratory Technologist	6,460	8,050	4,690	
		Radiology Tech	1,780	2,050	2,160	
		Nuclear Medicine Tech	960	880	720	
		Medical Laboratory Assistant		470	510	
	Technologist/Technician Total			9,200	11,450	8,080
	Rehabilitation Sciences	Occupational Therapist	2,744	3,210	1,852	
		Physiotherapist	2,538	2,564	2,028	
		Speech & Language Pathologist/Communications	576	317	542	
		Audiologist	202	245	216	
		Rehabilitation Assistant	144	144	144	
		Orthotist	175	175		
	Rehabilitation Sciences Total			6,379	6,655	4,782
	Pharmacy	Pharmacist	870	2,560	2,720	
		Pharmacy Technician	610	150	610	
	Pharmacy Total			1,480	2,710	3,330
Social Work	Master of Social Work	3,150	450	1,800		
	Child and Youth Care Worker	300		1,052		
	Bachelor of Social Work			450		
Social Work Total			3,450	450	3,302	

Agency	Discipline	Sub-Discipline	FY 13-14	FY 14-15	FY 15-16	
	Food & Nutrition	Dietitian	3,120	1,608	1,472	
	Food & Nutrition Total		3,120	1,608	1,472	
	Psychology	Psychology (PHD)			3,900	
		Counselling Psychology		150	1,200	
		Psychology (Bachelor)			180	
	Psychology Total			150	5,280	
	Administration	Clerical: General		360	840	1,320
		Unit Clerk		543	648	1,156
		Medical Office Assistant				280
	Administration Total			903	1,488	2,756
Non-Health	Leadership Studies		80			
Non-Health Total			80			
BCCH Total			87,253	97,326	104,923	
BCEHS	Paramedic	Primary Care Paramedic	50,553	20,736	52,800	
		Advanced Care Paramedic	17,287	29,376	22,464	
	Paramedic Total			67,840	50,112	75,264
BCEHS Total			67,840	50,112	75,264	
BCW	Nursing	Bacc Nursing: BScN/BSN/BN	20,062	19,073	22,504	
		Post-RN Specialty	3,600	4,564	6,240	
		Nurse Practitioner	406	1,158	609	
		Registered Nurse	432	440	280	
		Nursing: Masters	208	280	208	
		Psychiatric Nursing: Diploma		360		
		Bacc Nursing: Post Diploma BSN/BN	156			
		Post Masters Programs	140			
	Nursing Total			25,004	25,875	29,841
	Technologist/Technician	Sonography Tech		2,443	2,440	2,912
	Technologist/Technician Total			2,443	2,440	2,912
	Administration	Unit Clerk		1,182	688	1,448
		Clerical: General				240
		Medical Office Assistant		150		
Administration Total			1,332	688	1,688	
Social Work	Master of Social Work		900	450	900	
	Bachelor of Social Work		350		378	
Social Work Total			1,250	450	1,278	

Agency	Discipline	Sub-Discipline	FY 13-14	FY 14-15	FY 15-16	
	Non-Health	Masters of Public Health		520	1,292	
		Health Information Management		180		
	Non-Health Total			700	1,292	
	Therapist	Music Therapist		144	150	144
		Massage Therapist				280
		Recreation Therapist Degree				140
	Therapist Total			144	150	564
	Paramedic	Advanced Care Paramedic		512	64	184
	Paramedic Total			512	64	184
	Rehabilitation Sciences	Physiotherapist		360	180	180
	Rehabilitation Sciences Total			360	180	180
	Food & Nutrition	Dietitian			320	80
	Food & Nutrition Total				320	80
	Other Health	Midwifery			32	132
	Other Health Total				32	132
	Pharmacy	Pharmacist				9
Pharmacy Total					9	
BCW Total			31,045	30,899	38,160	
BCCA	Therapist	Radiation Therapist	16,320		9,188	
	Therapist Total		16,320		9,188	
	Nursing	Bacc Nursing: BScN/BSN/BN		2,896	1,686	3,910
		Nurse Practitioner		150	967	461
		Bacc Nursing: Post Diploma BSN/BN		78	234	
		Registered Nurse		304		
		Nursing: Masters			192	
	Nursing Total			3,428	3,079	4,371
	Technologist/Technician	Nuclear Medicine Tech		1,560	1,120	880
		Medical Laboratory Assistant		615	460	
	Technologist/Technician Total			2,175	1,580	880
	Social Work	Master of Social Work		1,320	546	
	Social Work Total			1,320	546	
	Pharmacy	Pharmacist		320	320	640
Pharmacy Total			320	320	640	
Food & Nutrition	Dietitian			40	1,152	
Food & Nutrition Total				40	1,152	

Agency	Discipline	Sub-Discipline	FY 13-14	FY 14-15	FY 15-16
	Administration	Unit Clerk			495
		Medical Office Assistant		68	218
		Clerical: General	90		
	Administration Total		90	68	713
	Psychology	Counselling Psychology	240	400	
	Psychology Total		240	400	
BCCA Total			23,893	6,033	16,943
BCMHSUS	Nursing	Bacc Nursing: BScN/BSN/BN	2,464	5,832	5,040
		Psychiatric Nursing: Diploma	1,940	2,421	
		Psychiatric Nursing Bacc: BScN/BN/RPN Psych	1,600	480	1,353
		Registered Nurse	1,008		
		Nurse Practitioner		358	358
	Nursing Total		7,012	9,091	6,751
	Therapist	Music Therapist		1,157	1,119
		Recreation Therapist Degree		560	560
		Art Therapist			300
	Therapist Total			1,717	1,979
	Social Work	Bachelor of Social Work		420	420
		Master of Social Work		200	450
	Social Work Total			620	870
	Pharmacy	Pharmacist	480		160
	Pharmacy Total		480		160
	Psychology	Psychology (PHD)		450	
		Counselling Psychology		100	
Psychology Total			550		
Rehabilitation Sciences	Physiotherapist	180			
	Occupational Therapist			150	
Rehabilitation Sciences Total		180		150	
BCMHSUS Total			7,672	11,978	9,910
PSBC	Nursing	Bacc Nursing: BScN/BSN/BN		720	
	Nursing Total			720	
PSBC Total				720	

Agency	Discipline	Sub-Discipline	FY 13-14	FY 14-15	FY 15-16
BCCDC	Nursing	Bacc Nursing: BScN/BSN/BN	288		360
		Licensed/Registered Practical Nurse		45	
	Nursing Total		288	45	360
BCCDC Total			288	45	360
BC Transplant	Nursing	Nursing: Masters	312		
	Nursing Total		312		
BC Transplant Total			312		
Cardiac Services BC	Nursing	Nursing: Masters	104		
	Nursing Total		104		
Cardiac Services BC Total			104		
Grand Total			218,406	197,112	245,559

Appendix E: Total Student Hours by Top Education Institutions by Sub-Discipline

Education Institution	Discipline	Total Student Hours		
		FY 13-14	FY 14-15	FY 15-16
Justice Institute of BC	Paramedic	68,352	50,176	75,448
	Advanced Care Paramedic	17,799	29,440	22,648
	Primary Care Paramedic	50,553	20,736	52,800
Justice Institute of BC Total		68,352	50,176	75,448
University of British Columbia	Nursing	22,024	24,547	27,720
	Bacc Nursing: BScN/BSN/BN	21,780	23,108	26,246
	Nurse Practitioner	244	1,055	1,174
	Nursing: Masters		384	300
	Rehabilitation Sciences	6,600	6,516	4,968
	Occupational Therapist	2,744	3,210	2,002
	Physiotherapist	3,078	2,744	2,208
	Audiologist	202	245	216
	Speech & Language Pathologist/ Communications	576	317	542
	Pharmacy	1,670	2,880	3,529
	Pharmacist	1,670	2,880	3,529
	Food & Nutrition	3,120	1,968	2,704
	Dietitian	3,120	1,968	2,704
	Social Work	3,500	1,100	2,628
	Master of Social Work	3,150	1,100	1,800
	Bachelor of Social Work	350		828
	Psychology			200
	Counselling Psychology			200
Other Health		32	132	
Midwifery		32	132	
University of British Columbia Total		36,914	37,043	41,881
BCIT	Technologist/Technician	13,203	14,540	11,362
	Sonography Tech	2,443	2,440	2,912
	Nuclear Medicine Tech	2,520	2,000	1,600
	Radiology Tech	1,780	2,050	2,160
	Medical Laboratory Technologist	6,460	8,050	4,690
	Nursing	10,740	12,980	14,148
	Bacc Nursing: BScN/BSN/BN	6,972	8,148	6,600
Post-RN Specialty	3,768	4,832	7,548	

Education Institution	Discipline	Total Student Hours		
		FY 13-14	FY 14-15	FY 15-16
	Therapist	16,320		9,188
	Radiation Therapist	16,320		9,188
	Administration			80
	Medical Office Assistant			80
BCIT Total		40,263	27,520	34,778
Langara College	Nursing	19,692	24,738	30,255
	Bacc Nursing: BScN/BSN/BN	19,692	24,738	30,255
	Therapist			640
	Massage Therapist			640
Langara College Total		19,692	24,738	30,895
Thompson Rivers University	Therapist	10,780	16,415	18,620
	Respiratory Therapist	10,780	16,415	18,620
	Nursing	1,624	120	348
	Bacc Nursing: BScN/BSN/BN			228
	Registered Nurse	1,624	120	120
Thompson Rivers University Total		12,404	16,535	18,968
Douglas College	Nursing	12,011	17,421	9,787
	Bacc Nursing: BScN/BSN/BN	9,891	14,186	7,874
	Psychiatric Nursing: Diploma	2,120	3,236	
	Psychiatric Nursing Bacc: BScN/BN/RPN Psych			1,913
	Therapist	700	1,120	1,260
	Recreation Therapist	700		
	Recreation Therapist Degree		1,120	1,260
	Social Work	300		
	Child and Youth Care Worker	300		
	Non-Health		180	
	Health Information Management		180	
Douglas College Total		13,011	18,721	11,047
Kwantlen Polytechnic University	Nursing	10,344	6,266	6,778
	Bacc Nursing: BScN/BSN/BN	7,588	4,782	4,526
	Psychiatric Nursing Bacc: BScN/BN/RPN Psych	2,756	1,004	1,772
	Registered Nurse		480	480

Education Institution	Discipline	Total Student Hours		
		FY 13-14	FY 14-15	FY 15-16
	Administration	504	336	504
	Unit Clerk	504	336	504
	Psychology			180
	Psychology (Bachelor)			180
Kwantlen Polytechnic University Total		10,848	6,602	7,462
University of Victoria	Nursing	2,925	3,263	3,142
	Bacc Nursing: BScN/BSN/BN	1,150	546	1,626
	Bacc Nursing: Post Diploma BSN/BN	546	234	
	Nurse Practitioner	570	2,299	1,100
	Nursing: Masters	659	184	416
	Psychology		400	1,950
	Counselling Psychology		400	
	Psychology (PHD)			1,950
	Social Work	450		1,022
	Master of Social Work	450		450
Child and Youth Care Worker			572	
University of Victoria Total		3,375	3,663	6,114
Vancouver Community College	Nursing	2,748	1,305	1,440
	Bacc Nursing: BScN/BSN/BN	2,748	1,260	1,440
	Licensed/Registered Practical Nurse		45	
	Administration	435	68	638
	Medical Office Assistant	150	68	218
	Unit Clerk	285		420
	Pharmacy	450	150	450
	Pharmacy Technician	450	150	450
	Technologist/Technician	240	300	270
Medical Laboratory Assistant	240	300	270	
Vancouver Community College Total		3,873	1,823	2,798
Trinity Western University	Nursing	2,112	2,160	3,096
	Bacc Nursing: BScN/BSN/BN		2,160	3,096
	Registered Nurse	2,112		
	Psychology	240		
Counselling Psychology	240			

Education Institution	Discipline	Total Student Hours		
		FY 13-14	FY 14-15	FY 15-16
Trinity Western University Total		2,352	2,160	3,096
Stenberg College	Administration	1,050	1,560	2,760
	Clerical: General	450	840	1,560
	Unit Clerk	600	720	1,200
	Technologist/Technician		320	240
	Medical Laboratory Assistant		320	240
	Nursing	180		
	Psychiatric Nursing: Diploma	180		
	Pharmacy			160
Pharmacy Technician			160	
Stenberg College Total		1,230	1,880	3,160
Capilano University	Therapist	1,844	2,157	1,263
	Music Therapist	1,844	2,157	1,263
Capilano University Total		1,844	2,157	1,263
Simon Fraser University	Psychology		450	1,000
	Counselling Psychology			1,000
	Psychology (PHD)		450	
	Non-Health			1,292
Masters of Public Health			1,292	
Simon Fraser University Total			450	2,292
University of Toronto	Psychology			1,950
	Psychology (PHD)			1,950
	Nursing		250	200
Nurse Practitioner		250	200	
University of Toronto Total			250	2,150
Dalhousie University	Social Work	1,770		450
	Master of Social Work	1,770		450
Dalhousie University Total		1,770		450
Athabasca University	Nursing	140	670	790
	Bacc Nursing: BScN/BSN/BN			370
	Nurse Practitioner		670	420
	Post Masters Programs	140		

Education Institution	Discipline	Total Student Hours		
		FY 13-14	FY 14-15	FY 15-16
Athabasca University Total		140	670	790
Nicola Valley Institute of Technology	Social Work		420	420
	Bachelor of Social Work		420	420
Nicola Valley Institute of Technology Total			420	420
Surrey College	Administration	176	160	480
	Unit Clerk	176	160	480
Surrey College Total		176	160	480
Vancouver Coastal Health Authority	Nursing	750		
	Post-RN Specialty	750		
Vancouver Coastal Health Authority Total		750		
University of Northern British Columbia	Social Work		546	
	Master of Social Work		546	
University of Northern British Columbia Total			546	
West Coast College of Health Care	Technologist/Technician	375	150	
	Medical Laboratory Assistant	375	150	
West Coast College of Health Care Total		375	150	
University of Alberta	Non-Health		520	
	Masters of Public Health		520	
University of Alberta Total			520	
University of the Fraser Valley	Social Work			480
	Child and Youth Care Worker			480
University of the Fraser Valley Total				480
University of British Columbia: Okanagan	Social Work			450
	Master of Social Work			450
University of British Columbia: Okanagan Total				450

Education Institution	Discipline	Total Student Hours		
		FY 13-14	FY 14-15	FY 15-16
Okanagan College	Rehabilitation Sciences	144	144	144
	Rehabilitation Assistant	144	144	144
Okanagan College Total		144	144	144
Queens University	Nursing	400		
	Bacc Nursing: BScN/BSN/BN	400		
Queens University Total		400		
Camosun College	Administration			375
	Unit Clerk			375
Camosun College Total				375
La Trobe University	Rehabilitation Sciences	175	175	
	Orthotist	175	175	
La Trobe University Total		175	175	
Vancouver Art Therapy Institute	Therapist			300
	Art Therapist			300
Vancouver Art Therapy Institute Total				300
Selkirk College	Administration		120	120
	Unit Clerk		120	120
Selkirk College Total			120	120
School District 41: Burnaby	Administration			200
	Medical Office Assistant			200
School District 41: Burnaby Total				200
Academy of Learning	Administration	160		
	Unit Clerk	160		
Academy of Learning Total		160		
MTI Community College	Technologist/Technician		160	
	Medical Laboratory Assistant		160	
MTI Community College Total			160	

Education Institution	Discipline	Total Student Hours		
		FY 13-14	FY 14-15	FY 15-16
Thompson Career College	Pharmacy	160		
	Pharmacy Technician	160		
Thompson Career College Total		160		
Adler University	Psychology		150	
	Counselling Psychology		150	
Adler University Total			150	
City University of Seattle	Psychology		100	
	Counselling Psychology		100	
City University of Seattle Total			100	
Royal Roads University	Non-Health		80	
	Leadership Studies		80	
Royal Roads University Total			80	
Grand Total		218,406	197,112	245,559

Appendix F: Destinations with a placement by Fiscal Year–BCCH

Site	Destination Long Name	# of Placements		
		FY 13–14	FY 14–15	FY 15–16
BCCH	Alternate observation experiences	2	8	2
	Art Therapy			1
	Asthma Clinic	2	1	3
	Attention Deficit Hyperactivity Disorder Clinic	1	2	1
	Audiology Department	1	3	1
	Blood & Marrow Transplant			2
	Cardiac Program			1
	Cardiac Program 2		1	1
	Cardiology Clinic	5	4	4
	Child & Youth health: general		4	2
	Child & Youth Health: primary care	3	9	7
	Child Youth Counselor	2	2	2
	Concurrent Disorders Program	2	1	2
	Cystic Fibrosis Clinic		1	
	Dermatology Clinic	3	3	3
	Diabetes/Endocrine Clinic	3	2	4
	Eating Disorders Outpatient Clinic	6	3	1
	Emergency	9	8	10
	Hospital Support Specialist: ICU		1	
	Hospital Support Specialist: Radiology	4	6	11
	Intensive Care Unit	17	17	21
	Kelty Resource Centre	1	1	1
	Laboratory	9	19	21
	Medical Day Unit	2		3
	Medical Office Assistant: Clinics			3
	Medical/Cardiac: 3M	27	26	26
	Mental Health	7	6	1
	Mental Health & Addictions			1
	Metabolic Clinic		2	4
	Multiorgan Transplant Clinic			1
	Music Therapy	1	3	
	Nuclear Medicine	13	12	9
	Nurse Resource Team		2	5
Nutrition	2	7	12	
Oncology: 3B	10	8	10	

Site	Destination Long Name	# of Placements		
		FY 13-14	FY 14-15	FY 15-16
	Oncology/Hematology Clinic	4	2	1
	Orthopedic Program			2
	Outpatient Clinic Psych	4	5	4
	P1 Child Psych Inpatient Unit	4	1	6
	P2 Adolescent. Psych Inpatient Unit	11	6	2
	P3 Eating Disorders	6	5	4
	Pain Clinic	1		
	Pediatrics	13	13	11
	Pharmacy		15	18
	Pharmacy Doctoral		1	2
	Physical Dysfunction	1	2	5
	Professional Practice: Nursing			3
	Psychology			8
	Radiology	8	7	6
	Renal Clinic	2		2
	Renal/Endocrine: 3F	17	14	13
	Respiratory	44	78	87
	Social Pediatrics Initiative 1		4	4
	Social Pediatrics Initiative 2	1	3	5
	Social Pediatrics Initiative 3			1
	Social Pediatrics Initiative 4		1	1
	Speech Language Pathology	1	2	2
	Surgery/Neurosciences: 3R	24	28	29
	Surgical Day Care Unit	2		5
	Surgical Services	15	11	8
	TBA: To Be Advised			1
	Unit Clerk	6	5	7
	Unit Clerk: Medicine			1
	Unit Clerk: Surgery/Neuro			1
	Youth Health Ambulatory Clinic	2	4	4
	Pharmacy Technologist	16	10	3
	Massage Therapy			1
	Looking Glass Residence			1
BCCH Total		314	379	424

Site	Destination Long Name	# of Placements		
		FY 13-14	FY 14-15	FY 15-16
SunnyHill	Acute Rehab: IP	1		
	Brain Injury	1		
	Complex Developmental Behavioral Conditions		1	
	Inpatient	10	3	5
	Occupational Therapy	6	33	4
	Positioning & Mobility Team			1
	Speech Language Pathology	1	2	3
	Therapeutic Recreation Services	6	4	4
	To be determined	4	5	4
	Library			1
SunnyHill Total		29	48	22
Grand Total		343	427	446

Appendix G: Destinations with a placement by Fiscal Year—BCW

Site	Destination Long Name	# of Placements		
		FY 13-14	FY 14-15	FY 15-16
BCW	Aboriginal Health			1
	Administration	2		
	Antepartum Home Care Program	5		
	ANY Unit	16		31
	Arbutus Square	3		
	Balsam Square	2		
	Birthing (SRMC & LDR)	44		46
	Centre for Excellence in WH			2
	Diagnostic Ambulatory: general	8		6
	Dogwood	4		1
	Evergreen Square	13		8
	Family Practice Clinic	1		
	Health Information Management: Amb			
	Heartwood Centre for Women	2		7
	Hospital Support Specialist-Amb			1
	Lactation Services	2		1
	Medical Office Assistant: WHC	2		1
	Neonatal Care Nursery	4		6
	New Beginnings Maternity Clinic			2
	Oak Tree (HIV & AIDS)	4		4
	Obstetrics-Physio	2		1
	OR/PAR			
	Pharmacy Doctoral			1
	PP: Social Work			1
	Prenatal Program	1		
	Projects			17
	Sexual Assault			1
	Special Care Nursery	3		
	The Heart Program for Women	2		
	UBC Family Practice Clinic 2	2		1
	Ultrasound	12		14
	Unit Clerk: AP	4		1
Unit Clerk: Birthing	1		3	
Unit Clerk: Diagnostic Ambulatory	3		4	
Unit Clerk: PP	1		3	

Site	Destination Long Name	# of Placements		
		FY 13-14	FY 14-15	FY 15-16
	Withdrawal Management-Fir Square	11		12
	Women's Health Centre Clinics			3
	Food and Nutrition			9
	Massage Therapy			1
	WHC Outreach			2
BCW Total		154		191
Grand Total		154		191

Appendix H: Destinations with a placement by Fiscal Year—All Other PHSA Sites

Site	Destination Long Name	# of Placements		
		FY 13-14	FY 14-15	FY 15-16
BCCA—Abbot	Patient & Family Counselling	1	1	
	Pharmacy			2
	Radiation Therapy Clinic	4		1
BCCA—Abbot Total		5	1	3
BCCA—Fraser	Administration	1	1	
	Fraser Valley Cancer Centre	1		2
	Patient & Family Counselling	1	1	
	Radiation Therapy Clinic	15	4	1
BCCA—Fraser Total		18	6	3
BCCA—Kelowna	Nursing: Radiation Therapy	3	3	1
	Nursing: Systemic Therapy	1	3	2
	Pharmacy	2		
	Radiation Therapy	9	2	
BCCA—Kelowna Total		15	8	3
BCCA—PG	General Oncology Clinic		2	
	Patient & Family Counselling		1	1
	Pharmacy			2
	Prevention			2
BCCA—PG Total			3	5
BCCA—Vancouver	5E Inpatient Oncology	5	5	4
	Laboratory	7	4	
	Nuclear Medicine	16	8	13
	Nurse Practitioner		3	6
	Nutrition			10
	Pain & Symptom Management/Palliative Care	1	1	1
	Patient & Family Counselling	3	3	
	Pharmacy		2	1
	Professional Practice	1	1	
	Radiation Therapy	10	2	
BCCA—Vancouver Total		43	29	35

Site	Destination Long Name	# of Placements		
		FY 13–14	FY 14–15	FY 15–16
BCCA–VICC	General Practice Office: Nurse Practitioner		1	1
	Medical Day Care	1		1
	Pain & Symptom Management/Palliative Care	1		
	Patient & Family Counselling		1	1
	Patient Support Clinic		1	4
	Professional Practice Nursing	1	8	7
	Radiation Therapy Clinic A	8	3	1
BCCA–VICC Total		11	14	15
BCCDC	STD/HIV Services: Nursing Outreach Program	2	2	
	STI/HIV Prevention & Control			1
BCCDC Total		2	2	1
BCRCP	Perinatal Nurse Consultant		2	
BCRCP Total			2	
BC Transplant	Transplantation Donation	2		
BC Transplant Total		2		
Cardiac Services BC	Advanced Practice	1		
Cardiac Services BC Total		1		
Forensic	Ashworth Four	3	2	1
	Ashworth One	4	3	2
	Ashworth Three	4	2	1
	Ashworth Two	3	2	1
	Dogwood East	1		
	Dogwood West	1		
	Elm-North	4	1	2
	Elm-South	3		2
	Hawthorne	3		4
	Kamloops: Outpatients Clinic	1	1	
	Pharmacy	3	1	1
	Physiotherapy	1		
	Psychiatry Inpatients: all wards	3	3	2
	Surrey: Outpatients Clinic	4	4	3
	Vancouver: Outpatients Clinic (Broadway)	4	4	2
Forensic Total		42	23	21

Site	Destination Long Name	# of Placements		
		FY 13-14	FY 14-15	FY 15-16
Mental Health & Add	BC Psychosis Program	1	3	1
	Neuropsychiatry Clinic			1
Mental Health & Add Total		1	3	2
Burnaby Centre for MH	Art Therapy			3
	Music Therapy		3	5
	Psychology		1	1
	Recreation Therapy		1	2
	Primary Care		1	2
	Residence			1
	Assessment and Stabilization Unit		2	4
	Burnaby Centre for Mental Health: Unit A		4	7
	Burnaby Centre for Mental Health: Unit B		4	8
	Social Work		3	5
Burnaby Centre for MH Total			19	38
Grand Total		140	110	126

Appendix I: Education Institutions with Affiliation Agreements in Place FY 2015–16

Standard Template		
Public		
Athabasca University	Mount Royal University	University of Porto
BC Institute of Technology	Nicola Valley Institute of Technology	University of the Fraser Valley
Camosun College	North Island College	University of Victoria
Capilano University	Queens University	Vancouver Community College
Cardiff University	Royal Roads University	Vancouver Island University
Concordia University	Simon Fraser University	University Medical Center Groningen
Dalhousie University	Thompson Rivers University: Open Learning	University of Waterloo
Douglas College	University College of Northern Denmark	Burnaby School District #41
Justice Institute of BC	University of Abertay, Scotland	La Trobe University
Kwantlen Polytechnic University	University of Alberta	University of Washington: School of Pharmacy
Lakehead University	University of Calgary	Glasgow Caledonian University
Langara College	University of Guelph	Renison University College
McGill University	University of New Brunswick	University of Ottawa
McMaster University	University of Northern BC	
Private		
Bilkent University, Turkey	Surrey Community College	City University of Seattle (Vancouver)
LaunchLife International	Trinity Western University	Toronto Art Therapy Institute
MTI Community College	West Coast College of Health Care	Vancouver Art Therapy Institute
Sarah Lawrence College	Western University of Health Sciences	
Stenberg College	CDI College	
No Standard Template		
Public		
Department of National Defense	Simon Fraser University	University of Lethbridge
Michener Institute	UBC: Health Sciences	University of Manitoba
Mohawk College	UBC: School of Nursing	University of Missouri: Kansas
Okanagan College	UBC: Social Work	University of Saskatchewan
Saskatchewan Institute of Applied Science & Tech	UBC: University of British Columbia	University of Colorado
Private		
Adler School of Professional Psychology	Gonzaga University	
City University of Seattle (Victoria)	Western Seminary: Seattle	