



Ministry of Health Consolidated Analytics Services

Title Report on Concussions (ICD-9 Code 850)
Fiscal Years 2010/11 to 2019/20 (incomplete), by date of service, paid to August 14, 2020
Completion Date 2020-08-25

Client FOI HTH-2020-04427

Program Area Health Sector Information, Analysis & Reporting

Question being asked

Copy of following information for BC physician billings: Annual day count of concussions submitted by diagnostic code 850 (under ICD-9 coding system) by Physician Type and Setting (Community Clinic vs Hospital) (Date Range for Record Search: From 7/1/2010 To 7/20/2020).

Summary of Analysis

Over the 10 year period from fiscal year 2010/11 to 2019/20, the number of distinct patients with concussion diagnoses increased at a compound average growth rate of 7.3% per year. Paid services through the Medical Services Plan system increased at a CAGR of 8.2% over the same period

Notes:

1. Data for 2019/20 is incomplete as it's paid to August 14, 2020 and 2019/20 is not considered closed until September 30.
2. Data are for concussions (ICD-9 850) and includes all 3, 4 and 5 digit codes (850, 850.x, and 850.xx).
3. Claim specialty is the physician's specialty at the time of the claim.
4. Distinct patient counts are distinct within each claim specialty; e.g. a patient seen by a General Practitioner and a Neurologist will be counted under each specialty. Total is distinct for all specialties combined.
5. Distinct patient counts with 5 or less, the row have been masked for privacy and confidentiality.
6. Patients may appear in distinct patient counts in multiple years; e.g. a patient with a relevant ICD9 code in both 2016/17 and 2017/18 will be counted in each year.

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PAS # 3000.1951 **Filename** Report on Concussions (Masked).xlsx

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Health Sector Information, Analysis and Reporting Division

Report on Concussions (ICD-9 Code 850)

Fiscal Years 2010/11 to 2019/20 (incomplete), by date of service, paid to August 14, 2020

Year	Claim Specialty	Distinct Patient Count	Paid Service
2010/2011	00 - GENERAL PRACTICE	15,523	19,990
	02 - NEUROLOGY	349	423
	06 - OPHTHALMOLOGY	*	*
	07 - OTOLARYNGOLOGY	*	*
	08 - GENERAL SURGERY	46	131
	09 - NEUROSURGERY	243	676
	11 - PLASTIC SURGERY	*	*
	14 - PAEDIATRICS	238	350
	15 - INTERNAL MEDICINE	13	30
	18 - ANAESTHESIA	55	100
	20 - PHYSICAL MEDICINE AND REHABILITATION	68	86
	21 - PUBLIC HEALTH (COMMUNITY MEDICINE)	*	*
	26 - CARDIOLOGY	*	*
	28 - EMERGENCY MEDICINE	650	762
	29 - MEDICAL MICROBIOLOGY	*	*
	49 - RESPIROLOGY	14	41
	53 - CRITICAL CARE MEDICINE	34	378
	Total	16,867	22,984
2011/2012	00 - GENERAL PRACTICE	18,403	25,213
	02 - NEUROLOGY	460	575
	03 - PSYCHIATRY	*	*
	05 - OBSTETRICS & GYNAECOLOGY	*	*
	06 - OPHTHALMOLOGY	19	22
	07 - OTOLARYNGOLOGY	*	*
	08 - GENERAL SURGERY	25	63
	09 - NEUROSURGERY	247	603
	10 - ORTHOPAEDIC SURGERY	*	*
	11 - PLASTIC SURGERY	*	*
	14 - PAEDIATRICS	329	521
	15 - INTERNAL MEDICINE	14	30
	16 - RADIOLOGY	*	*
	17 - LABORATORY MEDICINE	*	*
	18 - ANAESTHESIA	47	64

Year	Claim Specialty	Distinct Patient Count	Paid Service
	20 - PHYSICAL MEDICINE AND REHABILITATION	154	223
	21 - PUBLIC HEALTH (COMMUNITY MEDICINE)	*	*
	24 - GERIATRIC MEDICINE	*	*
	26 - CARDIOLOGY	*	*
	28 - EMERGENCY MEDICINE	856	995
	44 - RHEUMATOLOGY	*	*
	49 - RESPIROLOGY	10	48
	53 - CRITICAL CARE MEDICINE	47	322
	59 - NEPHROLOGY	*	*
	Total	20,109	28,708
2012/2013	00 - GENERAL PRACTICE	20,715	28,739
	02 - NEUROLOGY	475	588
	03 - PSYCHIATRY	*	*
	05 - OBSTETRICS & GYNAECOLOGY	*	*
	06 - OPHTHALMOLOGY	9	14
	08 - GENERAL SURGERY	12	37
	09 - NEUROSURGERY	164	307
	10 - ORTHOPAEDIC SURGERY	*	*
	14 - PAEDIATRICS	473	730
	15 - INTERNAL MEDICINE	30	57
	17 - LABORATORY MEDICINE	*	*
	18 - ANAESTHESIA	20	46
	20 - PHYSICAL MEDICINE AND REHABILITATION	172	318
	21 - PUBLIC HEALTH (COMMUNITY MEDICINE)	9	11
	23 - OCCUPATIONAL MEDICINE	*	*
	24 - GERIATRIC MEDICINE	*	*
	28 - EMERGENCY MEDICINE	1,296	1,509
	29 - MEDICAL MICROBIOLOGY	*	*
	46 - MEDICAL GENETICS	*	*
	47 - VASCULAR SURGERY	*	*
	49 - RESPIROLOGY	8	34
	53 - CRITICAL CARE MEDICINE	42	143
	67 - INFECTIOUS DISEASES	*	*
	Total	22,831	32,599
2013/2014	00 - GENERAL PRACTICE	22,013	31,080
	02 - NEUROLOGY	512	723
	03 - PSYCHIATRY	*	*
	06 - OPHTHALMOLOGY	*	*
	07 - OTOLARYNGOLOGY	*	*

Year	Claim Specialty	Distinct Patient Count	Paid Service
	08 - GENERAL SURGERY	12	17
	09 - NEUROSURGERY	123	244
	10 - ORTHOPAEDIC SURGERY	21	22
	14 - PAEDIATRICS	549	809
	15 - INTERNAL MEDICINE	32	49
	16 - RADIOLOGY	*	*
	18 - ANAESTHESIA	7	10
	20 - PHYSICAL MEDICINE AND REHABILITATION	218	426
	21 - PUBLIC HEALTH (COMMUNITY MEDICINE)	12	12
	24 - GERIATRIC MEDICINE	*	*
	26 - CARDIOLOGY	*	*
	28 - EMERGENCY MEDICINE	1,494	1,641
	44 - RHEUMATOLOGY	*	*
	47 - VASCULAR SURGERY	*	*
	49 - RESPIROLOGY	8	18
	53 - CRITICAL CARE MEDICINE	21	87
	Total	24,347	35,176
2014/2015	00 - GENERAL PRACTICE	23,301	33,293
	02 - NEUROLOGY	520	726
	03 - PSYCHIATRY	10	115
	06 - OPHTHALMOLOGY	12	30
	07 - OTOLARYNGOLOGY	*	*
	08 - GENERAL SURGERY	6	8
	09 - NEUROSURGERY	125	235
	10 - ORTHOPAEDIC SURGERY	47	47
	11 - PLASTIC SURGERY	*	*
	14 - PAEDIATRICS	580	866
	15 - INTERNAL MEDICINE	20	46
	16 - RADIOLOGY	*	*
	18 - ANAESTHESIA	25	118
	20 - PHYSICAL MEDICINE AND REHABILITATION	237	480
	21 - PUBLIC HEALTH (COMMUNITY MEDICINE)	10	12
	26 - CARDIOLOGY	*	*
	28 - EMERGENCY MEDICINE	1,891	2,042
	29 - MEDICAL MICROBIOLOGY	*	*
	48 - THORACIC SURGERY	*	*
	49 - RESPIROLOGY	8	22
	53 - CRITICAL CARE MEDICINE	13	36
	Total	26,079	38,089

Year	Claim Specialty	Distinct Patient Count	Paid Service
2015/2016	00 - GENERAL PRACTICE	26,096	37,216
	02 - NEUROLOGY	548	765
	03 - PSYCHIATRY	9	17
	06 - OPHTHALMOLOGY	8	11
	07 - OTOLARYNGOLOGY	*	*
	08 - GENERAL SURGERY	*	*
	09 - NEUROSURGERY	125	201
	10 - ORTHOPAEDIC SURGERY	*	*
	14 - PAEDIATRICS	789	1,203
	15 - INTERNAL MEDICINE	17	45
	17 - LABORATORY MEDICINE	*	*
	18 - ANAESTHESIA	*	*
	20 - PHYSICAL MEDICINE AND REHABILITATION	304	635
	21 - PUBLIC HEALTH (COMMUNITY MEDICINE)	6	12
	23 - OCCUPATIONAL MEDICINE	*	*
	24 - GERIATRIC MEDICINE	7	24
	26 - CARDIOLOGY	*	*
	28 - EMERGENCY MEDICINE	2,400	2,571
	29 - MEDICAL MICROBIOLOGY	*	*
	49 - RESPIROLOGY	*	*
	53 - CRITICAL CARE MEDICINE	15	49
	56 - GASTROENTEROLOGY	*	*
	59 - NEPHROLOGY	*	*
	67 - INFECTIOUS DISEASES	*	*
	74 - HEMATOLOGY ONCOLOGY	8	8
	Total	29,477	42,786
2016/2017	00 - GENERAL PRACTICE	29,400	42,501
	02 - NEUROLOGY	555	807
	03 - PSYCHIATRY	13	17
	06 - OPHTHALMOLOGY	13	32
	07 - OTOLARYNGOLOGY	*	*
	09 - NEUROSURGERY	144	292
	10 - ORTHOPAEDIC SURGERY	9	10
	11 - PLASTIC SURGERY	*	*
	14 - PAEDIATRICS	756	1,183
	15 - INTERNAL MEDICINE	11	22
	18 - ANAESTHESIA	*	*
	20 - PHYSICAL MEDICINE AND REHABILITATION	381	878
	24 - GERIATRIC MEDICINE	*	*

Year	Claim Specialty	Distinct Patient Count	Paid Service
	26 - CARDIOLOGY	*	*
	28 - EMERGENCY MEDICINE	2,507	2,620
	46 - MEDICAL GENETICS	*	*
	47 - VASCULAR SURGERY	*	*
	49 - RESPIROLOGY	*	*
	53 - CRITICAL CARE MEDICINE	11	37
	59 - NEPHROLOGY	*	*
	74 - HEMATOLOGY ONCOLOGY	9	9
	Total	32,831	48,453
2017/2018	00 - GENERAL PRACTICE	30,308	44,034
	02 - NEUROLOGY	492	763
	03 - PSYCHIATRY	12	35
	05 - OBSTETRICS & GYNAECOLOGY	*	*
	06 - OPHTHALMOLOGY	16	41
	07 - OTOLARYNGOLOGY	*	*
	08 - GENERAL SURGERY	10	17
	09 - NEUROSURGERY	139	201
	10 - ORTHOPAEDIC SURGERY	*	*
	11 - PLASTIC SURGERY	*	*
	14 - PAEDIATRICS	699	1,124
	15 - INTERNAL MEDICINE	34	46
	17 - LABORATORY MEDICINE	*	*
	18 - ANAESTHESIA	7	21
	20 - PHYSICAL MEDICINE AND REHABILITATION	346	815
	21 - PUBLIC HEALTH (COMMUNITY MEDICINE)	*	*
	24 - GERIATRIC MEDICINE	*	*
	26 - CARDIOLOGY	*	*
	28 - EMERGENCY MEDICINE	2,329	2,397
	44 - RHEUMATOLOGY	*	*
	49 - RESPIROLOGY	*	*
	53 - CRITICAL CARE MEDICINE	11	19
	54 - PAIN MEDICINE	*	*
	67 - INFECTIOUS DISEASES	*	*
	74 - HEMATOLOGY ONCOLOGY	11	11
	Total	33,578	49,566
2018/2019	00 - GENERAL PRACTICE	30,476	44,158
	01 - DERMATOLOGY	*	*
	02 - NEUROLOGY	534	798
	03 - PSYCHIATRY	*	*

Year	Claim Specialty	Distinct Patient Count	Paid Service
	06 - OPHTHALMOLOGY	15	37
	08 - GENERAL SURGERY	6	9
	09 - NEUROSURGERY	120	174
	10 - ORTHOPAEDIC SURGERY	6	18
	11 - PLASTIC SURGERY	*	*
	14 - PAEDIATRICS	768	1,161
	15 - INTERNAL MEDICINE	30	38
	17 - LABORATORY MEDICINE	*	*
	18 - ANAESTHESIA	*	*
	20 - PHYSICAL MEDICINE AND REHABILITATION	287	650
	21 - PUBLIC HEALTH (COMMUNITY MEDICINE)	*	*
	23 - OCCUPATIONAL MEDICINE	*	*
	24 - GERIATRIC MEDICINE	7	15
	26 - CARDIOLOGY	*	*
	28 - EMERGENCY MEDICINE	2,380	2,469
	49 - RESPIROLOGY	*	*
	53 - CRITICAL CARE MEDICINE	69	228
	54 - PAIN MEDICINE	*	*
	67 - INFECTIOUS DISEASES	*	*
	74 - HEMATOLOGY ONCOLOGY	8	9
	Total	33,892	49,802
2019/2020	00 - GENERAL PRACTICE	30,448	44,729
	02 - NEUROLOGY	538	950
	03 - PSYCHIATRY	10	12
	06 - OPHTHALMOLOGY	15	48
	07 - OTOLARYNGOLOGY	*	*
	08 - GENERAL SURGERY	7	9
	09 - NEUROSURGERY	93	143
	10 - ORTHOPAEDIC SURGERY	6	6
	13 - UROLOGY	*	*
	14 - PAEDIATRICS	751	1,047
	15 - INTERNAL MEDICINE	27	48
	16 - RADIOLOGY	*	*
	20 - PHYSICAL MEDICINE AND REHABILITATION	261	523
	21 - PUBLIC HEALTH (COMMUNITY MEDICINE)	*	*
	23 - OCCUPATIONAL MEDICINE	*	*
	24 - GERIATRIC MEDICINE	7	13
	26 - CARDIOLOGY	6	10
	28 - EMERGENCY MEDICINE	2,302	2,425

Year	Claim Specialty	Distinct Patient Count	Paid Service		
	44 - RHEUMATOLOGY	*	*		
	45 - CLINICAL IMMUNOLOGY AND ALLERGY	*	*		
	49 - RESPIROLOGY	*	*		
	53 - CRITICAL CARE MEDICINE	93	379		
	54 - PAIN MEDICINE	*	*		
	57 - GENERAL INTERNAL MEDICINE	*	*		
	59 - NEPHROLOGY	*	*		
	74 - HEMATOLOGY ONCOLOGY	12	12		
	76 - GP - EMERGENCY MEDICINE	225	244		
	Total	33,969	50,629	7.3%	8.2%

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