

DATA BRIEF- RHEUMATOLOGY

Data Capture

- Diagnoses claims and expenditure related to selected rheumatology diagnoses.¹
- Overseas claims, related to rheumatology diagnoses.
- Paediatric claims and expenditure, related to rheumatology diagnoses.
- Selected pharmaceuticals list claims and expenditure

Disclaimer & Explanation

Data provided in this response is provided by the Bermuda Health Council and must be cited and authorized prior to publication or use. Bermuda Health Council does not make any guarantees or provide third party validation for the data sources.

Data briefs are created and posted based on input from a variety of stakeholders and are used for multiple applications. The data presented below are by topic, with specifics such as diagnoses codes and procedures codes often coming from the requestor. As a result, the same topic or condition may show different claims data, due to variability in coding selection. Additionally, as information is received, changes in data capture may occur, which may be corroborated by the dates of the request. Due to the nature of procedure coding, many codes are not mutually exclusive to a specific application or specialty, which means values for office visits, for example, may appear in multiple specialty analytics. Additional information is available, with regard to claim type and diagnosis to discern further follow up, as needed. Finally, analytics for “common” coding in any field are strictly based on identically matching values. It is possible other, frequent codes exist, but may not be captured if entered in multiple varied formats.

The data used to generate this brief includes claims data and expenditure from 1 April 2016 to 31 March 2017. Pharmaceutical information is generated from 1 April 2016 to 31 March 2018, as available. For any clarification or follow up information, please email healthcouncil@bhec.bm. To submit a topic of interest for a data brief, please complete an online [Data Analysis Interest Form](#).

¹ Source for diagnostic codes: [https://www.wellstar.org/about-us/icd-10/documents/top_diagnosis_codes_\(crosswalks\)/rheumatology%20top%20diagnosis%20codes%20\(crosswalk\).pdf](https://www.wellstar.org/about-us/icd-10/documents/top_diagnosis_codes_(crosswalks)/rheumatology%20top%20diagnosis%20codes%20(crosswalk).pdf)

Data

RHEUMATOLOGY DIAGNOSES

ICD-9 Primary Diagnosis	ICD-10 Primary Diagnosis	Diagnosis Description	Total Number of Claims (Overseas Claims within Total)	Total Expenditure
250.00	E11.9	Diabetes Mellitus Type II	32,110 (309)	\$3,763,688
276.1	E87.1	Hyposmolality and/or hyponatremia	828 (263)	\$356,032
276.8	E87.6	Hypopotassemia	489 (37)	\$67,940
293.83	F06.30	Mood disorder in conditions classified elsewhere	6 (3)	\$822
	F06.31			
	F06.32			
	F06.33			
	F06.34			
338.29	G89.29	Chronic pain	2,024 (138)	\$428,427
354.0	G56.00	Carpal tunnel syndrome	801 (46)	\$295,273
	G56.01			
	G56.02			
401.9	I10	Essential (primary) hypertension	36,236 (313)	\$4,681,806
443.0	I73.00	Raynaud's Syndrome	112 (13)	\$69,089
583.81	N08	Nephritis and neuropathy in diseases classified elsewhere	23 (0)	\$2,768
	N16			
710.0	M32.0	Systemic lupus erythematosus	1,475 (141)	\$206,003
	M32.10			
	M32.19			
	M32.8			
	M32.9			
710.2	M35.00	Sicca syndrome	246 (10)	\$31,078
	M35.01			
	M35.09			
	M35.04			
710.8	M35.1	Diffuse disease of connective tissue	45 (4)	\$15,336
	M35.5			

	M35.8			
714.0	M06.00	Rheumatoid Arthritis (Bursitis)	3,381 (27)	\$398,908
	M06.01			
	M06.012			
	M06.019			
	M06.021			
	M06.022			
	M06.029			
	M06.031			
	M06.032			
	M06.039			
	M06.041			
	M06.042			
	M06.049			
	M06.051			
	M06.052			
	M06.059			
	M06.061			
	M06.062			
M06.069				
M06.069				
714.0	M06.20	Rheumatoid Arthritis (Bursitis) continued	See Above	See Above
	M06.211			
	M06.212			
	M06.219			
	M06.221			
	M06.222			
	M06.229			
	M06.231			
	M06.232			
	M06.239			
	M06.241			
	M06.242			
	M06.249			
	M06.251			

	M06.252			
	M06.259			
	M06.261			
	M06.262			
	M06.269			
	M06.271			
	M06.272			
714.0	M06.279	Rheumatoid Arthritis (Bursitis) Continued	See Above	See Above
	M06.28			
	M06.29			
	M06.30			
	M06.311			
	M06.312			
	M06.319			
	M06.321			
	M06.322			
	M06.329			
	M06.331			
	M06.332			
	M06.339			
	M06.341			
	M06.342			
	M06.349			
	M06.351			
	M06.352			
	M06.359			
	M06.361			
	M06.362			
714.0	M06.369	Rheumatoid Arthritis (Bursitis) Continued	See Above	See Above
	M06.371			
	M06.372			
	M06.379			
	M06.38			
	M06.39			
	M06.80			

	M06.811			
	M06.812			
	M06.819			
	M06.821			
	M06.822			
	M06.829			
	M06.831			
	M06.832			
	M06.839			
	M06.841			
	M06.842			
	M06.849			
714.0	M06.851	Rheumatoid Arthritis (Bursitis) Continued	See Above	See Above
	M06.852			
	M06.859			
	M06.861			
	M06.862			
	M06.869			
	M06.871			
	M06.872			
	M06.879			
	M06.88			
	M06.89			
	M06.9			
714.1	M05.00	Felty's Syndrome	0 (0)	\$0
	M05.011			
	M05.012			
	M05.019			
	M05.01			
	M05.022			
	M05.029			
	M05.031			
	M05.032			
	M05.039			
	M05.041			

	M05.042			
	M05.049			
	M05.051			
	M05.052			
	M05.059			
	M05.061			
714.9	M06.4	Unspecified inflammatory polyarthropathy	314 (5)	\$34,193
715.09	M15.0	Generalized osteoarthritis, multiple sites	2 (2)	\$37
715.16	M17.0	Primary localized osteoarthritis, lower leg	1,490 (99)	\$1,281,594
	M17.10			
	M17.11			
	M17.12			
715.90	M15.9	Osteoarthrosis, unspecified whether generalized or localized, unspecified site	576 (21)	\$111,510
	M19.90			
715.96	M17.9	Osteoarthrosis, unspecified whether generalized or localized, lower leg	209 (7)	\$95,028
719.40	M25.50	Pain in joint, unspecified site	1,667 (3)	\$181,275
719.49	--	Pain in joint, multiple sites	203 (0)	\$28,876
720.0	M45.0	Ankylosing spondylitis	217 (17)	\$30,022
	M45.1			
	M45.2			
	M45.3			
	M45.4			
	M45.5			
	M45.6			
	M45.7			
	M45.8			
	M45.9			

	M08.1			
	M49.80			
	M48.81			
	M49.82			
	M49.83			
	M49.84			
	M49.85			
722.52	M51.36	Degeneration of lumbar or lumbosacral intervertebral disc	823 (162)	\$449,818
	M51.37			
724.2	M54.5	Lumbago (low back pain)	10,732 (232)	\$2,838,467
726.5	M25.751	Enthesopathy of hip region	343 (10)	\$104,188
	M25.752			
	M25.759			
	M70.60			
	M70.61			
	M70.62			
	M70.70			
	M70.71			
	M70.72			
	M76.00			
	M76.01			
	M76.02			
	M76.10			
	M76.11			
	M76.12			
	M76.20			
	M76.21			
	M76.22			
M76.30				
M76.31				
M76.32				
729.1	M60.80	Myalgia and myositis, unspecified	1,666 (37)	\$193,343
	M60.811			

	M60.812			
	M60.819			
	M60.821			
	M60.822			
	M60.829			
	M60.831			
	M60.832			
	M60.839			
	M60.841			
	M60.842			
	M60.849			
	M60.851			
	M60.852			
	M60.859			
	M60.861			
	M60.862			
	M60.869			
	M60.871			
	M60.872			
	M60.879			
	M60.88			
	M60.89			
	M60.9			
	M79.1			
	M79.7			
733.0	M81.0	Osteoporosis, unspecified	1,309 (60)	\$307,402
733.09	M81.6	Osteoporosis	4 (2)	\$301
	M81.8			
733.90	M85.9	Disorder of bone and cartilage, unspecified	254 (23)	\$39,451
	M89.9			
	M94.9			
780.79	G93.3	Malaise and fatigue	3,948 (169)	\$788,907
	R53.1			
	R53.81			

	R53.83			
790.1	R70.0	Elevated sedimentation rate	64 (9)	\$6,258
799.3	R53.81	Debility, unspecified	19 (14)	\$2,492
995.1	T78.3XXA	Angioneurotic edema, not elsewhere classified	204 (17)	\$61,359
V58.65	Z79.51	Long term (current) use of steroids	349 (16)	\$49,710
	Z79.52			
V58.69	Z79.3	Long term (current) use of medication	6,942 (94)	\$1,433,071
	Z79.891			
	Z79.899			
795.79	R76.0	Nonspecific immunological findings	99 (34)	\$8,216
	R76.8			
	R76.9			

PAEDIATRIC CLAIMS (Ages 0-4)

Primary Diagnosis	Total Number of Claims	Total Expenditure
Diabetes Mellitus Type II	13	\$816
Hyposmolality and/or hyponatremia	3	\$5,218
Unspecified essential hypertension	9	\$717
Systemic lupus erythematosus	2	\$135
Primary localized osteoarthritis, lower leg	2	\$10,907
Pain in joint, unspecified site	2	\$99
Lumbago (low back pain)	12	\$800
Enthesopathy of hip region	1	\$384
Myalgia and myositis, unspecified	4	\$525
Malaise and fatigue	10	\$1,859
Angioneurotic edema, not elsewhere classified	1	\$541
Long-term (current) use of medications	9	\$5,045

PAEDIATRIC CLAIMS (Ages 5-9)

Primary Diagnosis	Total Number of Claims	Total Expenditure
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Diabetes Mellitus Type II	20	\$6,914
Mood disorder in conditions classified elsewhere	1	\$97
Chronic pain	6	\$408
Unspecified essential hypertension	20	\$3,366
Nephritis and nephropathy in diseases classified elsewhere (manifestation)	3	\$255
Rheumatoid Arthritis (Bursitis)	14	\$1,166
Pain in joint, unspecified site	6	\$378
Lumbago (low back pain)	16	\$3,393
Enthesopathy of hip region	7	\$599
Myalgia and myositis, unspecified	9	\$733
Disorder of bone and cartilage, unspecified	2	\$86
Malaise and fatigue	20	\$5,467
Long-term (current) use of medications	8	\$161

PRESCRIPTION FINDINGS

Included below is information regarding pharmaceuticals related to rheumatology, including traditional and biologics. The claims experience shows traditional medications are the most common, listed in order of approximate frequency, most common to least.

1. Methotrexate has a range of \$37 to \$82 for 2.5 mg tablets and \$27.10 to \$70.75 for 10 mg tablets
2. Hydroxychloroquine has a range of \$31.40 to \$91.35 for 200 mg tablets
3. Leflunomide has a range of \$82.24 to \$191 for 20 mg tablets
4. Sulfasalazine has a range of \$51.20 to \$142.05 for 500 mg tablets
5. Xeljanz \$9,266.4 for 11mg dosage
6. Rituximab/ Rituxan does not appear in the claims data