

Data Analytics on outpatient total knee and hip replacement

Subject

1. A suggestion was submitted for data analysis to be conducted on the expenditure and prevalence of outpatient total knee and hip replacement.

Disclaimer

2. The data is provided by the Bermuda Health Council and must be authorized prior to publication or use and if authorized, must be cited when published or used.
3. Bermuda Health Council does not make any guarantees or provide third party validation for the data sources.
4. The data provided is from claims data submitted to the Bermuda Health Council by insurers for local and overseas claims (Note: this excludes local hospital but includes subsidy claims and overseas hospitals.). The original data is provided to the insurers by the health business submitting claims for the specified criteria outlined (i.e., conditions identified through diagnosis (ICD-9 or ICD-10) or procedure codes (CPT or local hospital charge codes)). Claims expenditure does not include rejected claims.
5. Fiscal year (FY) is 1st April to 31st March.
6. Data included from Argus, BF&M, CG, GEHI, HIP and FTC.
7. Subsidy includes claims from: Youth, Age, Indigent
8. Data submitted to the Bermuda Health Council by insurers does not include out-of-pocket expenses.
9. Note: Covid-19 may have impacted utilization of services from the time frame of March 2020, to current.

Data

The following data is the total amount paid and total claims utilization submitted for outpatient total knee and hip replacement.

Procedure Code	F20		F21		F22		Total		
	Paid Amount	Claim Count	Paid Amount	Claim Count	Paid Amount	Claim Count	Paid Amount	Claim Count	Paid Average/ per claim
27130	\$503,680	135	\$265,593	66	\$235,640	61	\$1,004,913	262	\$3,836
27447	\$548,619	180	\$241,321	95	\$197,605	76	\$987,546	351	\$2,814
27134	\$26,321	6	\$23,569	4	\$19,606	5	\$69,496	15	\$4,633
27487	\$3,440	2			\$5,788	1	\$9,228	3	\$3,076
27486	\$9,671	3			\$3,032	1	\$12,703	4	\$3,176
27137	\$9,380	2			\$6,337	3	\$15,716	5	\$3,143
Total	\$1,101,110	328	\$530,484	165	\$468,008	147	\$2,099,602	640	\$3,281

The following data is the overseas amount paid and total claims utilization submitted for outpatient total knee and hip replacement.

Procedure Code	F20		F21		F22		Total		
	Paid Amount	Claim Count	Paid Amount	Claim Count	Paid Amount	Claim Count	Paid Amount	Claim Count	Paid Average/ per claim
27447	\$153,369	23	\$13,185	2	\$51,037	18	\$217,591	43	\$5,060
27130	\$96,676	28	\$51,701	7	\$131,169	28	\$279,546	63	\$4,437
27487	\$3,440	2			\$5,788	1	\$9,228	3	\$3,076
27134	\$14,537	4			\$19,606	5	\$34,142	9	\$3,794
27137					\$4,170	2	\$4,170	2	\$2,085

27486					\$3,032	1	\$3,032	1	\$3,032
Total	\$268,021	57	\$64,886	9	\$214,802	55	\$547,710	121	\$4,527

The following data is the amount paid and total claims utilization submitted to public insurers for outpatient total knee and hip replacement.

Procedure Code	F20		F21		F22		Total		
	Paid Amount	Claim Count	Paid Amount	Claim Count	Paid Amount	Claim Count	Paid Amount	Claim Count	Paid Average/ per claim
27130	\$172,091	42	\$47,835	19	\$61,046	23	\$280,972	84	\$3,345
27447	\$194,823	81	\$99,633	43	\$74,676	31	\$369,133	155	\$2,382
27134	\$6,442	1	\$11,785	2			\$18,226	3	\$6,075
27486	\$9,671	3					\$9,671	3	\$3,224
27487									
27137	\$9,380	2			\$2,167	1	\$11,547	3	\$3,849
Total	\$392,406	129	\$159,252	64	\$137,890	55	\$689,548	248	\$2,780