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Medical Treatment Statistics Report

Based on Policy Years 2018-2020

TABLE OF CONTENTS

- 2 - Introduction
- 3 - Office & Physical Medicine Visits
- 6 - Surgery
- 9 - Prescription Drugs
- 10 - Prescriptions with Opioids

INTRODUCTION

This report provides statistics related to the medical treatment received by Delaware Workers Compensation claimants by part of body injured.

This report contains claim data from Unit Statistical Reports and Medical Data Call transactions for policy years 2018, 2019, and 2020, therefore all claims have both an exposure and jurisdiction state of Delaware.

The Unit Statistical Reports were used to determine the Part of Body category and the Medical Data Call transactions were used for all other data. The data is limited to medical services performed within the first two years following the accident date.

OFFICE & PHYSICAL MEDICINE VISITS

For each injured part of body, statistics include claim counts and medical paid amounts.

77%
claims with at least one visit

36%
other upper extremities required most visits

3%
neck injuries required least visits

\$1,243-\$3,752
range of average paid per claim

Part of Body	Claim Count	% of Claims	Paid Amount	Avg. Paid Amount per Claim
Back	1,827	13%	\$5,433,985	\$2,974
Head	1,433	11%	\$1,781,099	\$1,243
Knee	1,096	8%	\$2,889,387	\$2,636
Neck	354	3%	\$1,146,404	\$3,238
Other Lower Extremities	2,011	15%	\$3,742,775	\$1,861
Other Upper Extremities	4,831	36%	\$5,593,032	\$1,158
Shoulder & Upper Arm	1,100	8%	\$4,126,791	\$3,752
Whole Body and/or Multiple Body Parts	888	7%	\$2,169,708	\$2,443

-Other Upper Extremities includes elbow, fingers, thumb, wrist, hand, lower arm, and multiple upper extremities
 -Other Lower Extremities includes ankle, foot, toes, hip, lower leg, upper leg, and multiple lower extremities

TIME UNTIL FIRST TREATMENT

For each injured part of body, statistics include the median, 10th percentile, and 90th percentile to illustrate the general range and outlier values for different types of medical services provided to injured workers.

Part of Body	Percentile	Days to First Doctor Visit	Days to First Physical Medicine Visit	Number of Physical Medicine Visits
Back	10%	0	3	2
	Median	1	15	12
	90%	22	83	45
Head	10%	0	3	2
	Median	0	24	12
	90%	5	128	58
Knee	10%	0	6	2
	Median	1	27	14
	90%	25	114	45
Neck	10%	0	4	3
	Median	1	21	13
	90%	24	111	52
Other Lower Extremities	10%	0	3	2
	Median	1	28	11
	90%	13	106	43
Other Upper Extremities	10%	0	3	1
	Median	0	26	10
	90%	10	104	40
Shoulder & Upper Arm	10%	0	5	2
	Median	2	25	15
	90%	43	125	50
Whole Body and/or Multiple Body Parts	10%	0	3	2
	Median	0	24	12
	90%	29	128	51

-Evaluation and management (doctor visit) procedures are those reported with CPT codes 99201 to 99499.

-Physical medicine procedures are those reported with CPT codes 97001 to 97799.

-We define visits as unique combination of Provider ID + Service Date/Service From Date + Bill ID + Claim #.



KEY FINDINGS

FIRST VISIT TO DOCTOR OFTEN SAME OR NEXT DAY

The number of days to first doctor visit is most often the same or next day, and this rate has been as long as 43 days for some Shoulder and Upper Arm injuries

MEDIAN OF 24 DAYS TO FIRST PHYSICAL MEDICINE VISIT

The median number of days to first physical medicine visit is 24 days, ranging from 3 days for Back injuries to 128 days for Head injuries.

MEDIAN OF 12 PHYSICAL MEDICINE VISITS

The median number of first physical medicine visits is 12 occurrences, ranging from 1 visit for Upper Extremities injuries to as many as 58 visits for Head injuries.

SURGERIES

For each injured part of body, statistics include the number of claimants who required surgery within two years following the date of injury and the medical paid amounts for those surgeries.

Part of Body	Claim Count	% of All Surgeries	Paid Amount	Avg. Paid Amount Per Claim
Back	432	9%	\$4,440,283	\$10,278
Head	368	8%	\$738,957	\$2,008
Knee	384	8%	\$2,043,546	\$5,322
Neck	100	2%	\$1,134,385	\$11,344
Other Low Extremities	572	12%	\$2,477,066	\$4,331
Other Upper Extremities	2,114	45%	\$4,741,608	\$2,243
Shoulder & Upper Arm	479	10%	\$4,159,215	\$8,683
Whole Body and/or Multiple Body Parts	255	5%	\$1,653,568	\$6,485

KEY FINDINGS

25%

Claims that required at least one surgery

45%

Other Upper Extremities required the most surgeries

\$2,008-\$11,344

Average amounts per claim range for head injuries (low) to neck injuries (high)

2%

Neck injuries required the least surgeries

MAJOR OR MINOR SURGERY

The table below contains the percentage of claims that involved a surgery within two years of the date of injury for each injured part of body. Rates are displayed for claims with for all surgeries, for major surgeries and for minor surgeries.

Part of Body	% Claims with Surgery	% Claims with Major Surgery	% Claims with Minor Surgery
Back	24.1%	2.9%	21.1%
Head	27.8%	10.3%	17.5%
Knee	22.8%	6.4%	16.3%
Neck	34.1%	19.4%	14.7%
Other Lower Extremities	27.2%	15.6%	11.6%
Other Upper Extremities	41.7%	12.9%	28.9%
Shoulder & Upper Arm	42.5%	27.5%	15.1%
Whole Body and/or Multiple Body Parts	26.9%	10.8%	16.1%

-Surgical procedures are those reported with CPT codes 10000 to 69999.

-Major and minor surgery are defined by CPT code and differentiated by postoperative time frames that apply to each surgical procedure, as defined by CMS (Medicare).

-Minor surgery includes endoscopic or minor procedures with up to a 10-day postoperative period.

-Major surgery includes procedures with a 1-day preoperative period and up to 90-day postoperative period.

-We made the assumption that if a surgery is not a major surgery, then it is a minor surgery.

KEY FINDINGS

42.5%

Shoulder and Upper Arm injuries required the most surgery, as well as the most major surgery (27.5%)

22.8%

Knee injuries required the least surgeries

2.9%

Back injuries required the least major surgeries

TIME UNTIL FIRST SURGERY

For each injured part of body, statistics include the median, 10th percentile, and 90th percentile to illustrate the general range and outlier values for surgical procedures provided to injured workers, with a breakdown of major and minor surgeries.

Part of Body	Percentile	Days to First Surgery	Days to First Major Surgery	Days to First Minor Surgery
Back	10%	18	82	19
	Median	84	264	84
	90%	269	505	272
Head	10%	0	0	0
	Median	0	17	0
	90%	86	394	88
Knee	10%	1	7	1
	Median	41	61	42
	90%	193	242	229
Neck	10%	1	6	1
	Median	84	206	91
	90%	367	490	391
Other Lower Extremities	10%	0	0	0
	Median	2	6	4
	90%	140	156	206
Other Upper Extremities	10%	0	0	0
	Median	0	8	0
	90%	69	193	71
Shoulder & Upper Arm	10%	3	4	8
	Median	53	98	56
	90%	207	336	210
Whole Body and/or Multiple Body Parts	10%	0	0	0
	Median	35	69	44
	90%	258	375	298

-Surgical procedures are those reported with CPT codes 10000 to 69999.

-Defined major surgery based on a listing of major surgery CPT codes published by Medicare.

-We made the assumption that if a surgery is not a major surgery, then it is a minor surgery.

PRESCRIPTION DRUGS

The table below displays the percentage of claims that involved prescription drugs by part of body. This data is limited to prescriptions filled at a pharmacy and do not include prescriptions filled in other venues (such as hospitals, doctors office, etc.)

Part of Body	Claim Count	Paid Amount	Avg. Paid Amount Per Claim
Back	857	\$508,082	\$593
Head	300	\$244,992	\$817
Knee	391	\$116,489	\$298
Neck	150	\$170,480	\$1,137
Other Lower Extremities	598	\$311,260	\$521
Other Upper Extremities	1,352	\$333,736	\$247
Shoulder & Upper Arm	476	\$131,101	\$275
Whole Body and/or Multiple Body Parts	282	\$194,253	\$689

KEY FINDINGS

32%

Percentage of all claims that had prescription costs

\$247-\$1,137

Average range of paid amounts per claim for prescriptions, from Other Upper Extremities to Neck injuries, respectively

OPIOID PRESCRIPTION DRUGS

The table below displays the percentage of claims that involved opioid prescription drugs by part of body. This data is limited to prescriptions filled at a pharmacy and do not include prescriptions filled in other venues (such as hospitals, doctors office, etc.)

Part of Body	% Claims with Rx (1)	% Claims with Opioids (2)	% Claims with Opioids (3) = (2)/(1)
Back	19.9%	1.2%	6.0%
Head	41.7%	10.3%	24.7%
Knee	45.9%	7.1%	15.5%
Neck	34.9%	5.8%	16.6%
Other Lower Extremities	28.5%	4.4%	15.4%
Other Upper Extremities	26.7%	2.9%	10.9%
Shoulder & Upper Arm	42.5%	10.7%	25.2%
Whole Body and/or Multiple Body Parts	29.6%	4.8%	16.2%

KEY FINDINGS

15%

Percentage of all prescriptions that were opioid prescriptions

45.9%

Knee injuries involved the most prescriptions

1.2%

Back injuries involved the least prescriptions and fewest prescriptions with opioids

10.7%

Shoulder and Upper Arm injuries involved the most opioid prescriptions



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