

# Evaluation of the impact of the Minnesota workers' compensation Ambulatory Surgical Center Payment System (ASCPS)

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## **Executive summary**

### **Background**

In compliance with a legislative mandate, this report analyzes the impact of Minnesota's new system for reimbursing Ambulatory Surgical Centers (ASCs) for services to workers' compensation patients. This system, called the ASC Payment System (ASCPS), took effect on Oct. 1, 2018. In addition to broadly calling for the study to analyze the "impact" of the new system, the statute specifically directs DLI to consider payment timeliness and accuracy. Thus, this report (1) analyzes the effect of ASCPS on total payments to ASCs for workers' compensation cases and (2) analyzes payment timelines and accuracy under the new system.

ASCPS was enacted in response to continuing concerns over rapid cost increases in the prior system for reimbursing workers' compensation ASC costs. That system was primarily charge-based, so payments tended to grow in proportion to ASC charges, which had grown substantially faster than general prices and wages. Minnesota's ASCPS, by contrast, is built on the Medicare ASC Payment System with a few additional provisions.

The central feature of Minnesota's ASCPS is that for procedures covered under Medicare's ASCPS, payment is 320% of the Medicare amount, not to exceed total charges for all services, supplies, and implantable devices provided in the ASC visit. When enacted, the 320% represented an estimated 20% reduction from prior payment levels. The Minnesota ASCPS payment includes payment for all implantable devices, even if the Medicare ASCPS would allow separate payment for any of these devices. The annual increases in the Medicare payment rates, and thus in Minnesota's ASCPS payment rates, are substantially less than the increases that had occurred in Minnesota's prior charge-based system. Minnesota allows for charge-based payment for surgical procedures not in the federal ASCPS and for procedures in the federal ASCPS without scheduled payment rates.

## **ASCPS** effect on payment levels

To analyze the effect of the ASCPS on payment levels, DLI conducted a before-and-after comparison using data from the Minnesota Workers' Compensation Medical Data Call (MDC).<sup>3</sup> DLI conducted the comparison by analyzing the trend in the overall payment-to-charge (PTC) ratio for Minnesota workers' compensation cases at ASCs. The PTC trend was essentially level during the eight quarters before ASCPS and during the six quarters after ASCPS took effect (beginning with 2018-Q4), but was on average 25% lower during the latter period. This gives the estimate that ASCPS reduced payments to ASCs by 25% for workers' compensation cases.

<sup>&</sup>lt;sup>1</sup> Minn. Stat. § 176.1363.

<sup>&</sup>lt;sup>2</sup> This means the ASC payments were mostly determined as a percentage of the ASC's usual and customary charge for services provided.

<sup>&</sup>lt;sup>3</sup> The MDC is a nationwide program in which insurers report detailed information on workers' compensation medical services. The MDC excludes self-insurers and smaller insurers. The Minnesota Workers' Compensation Insurers Association performed the calculations for DLI for this report.

## Payment timeliness and accuracy: data request and response

To conduct the analysis of payment timeliness and accuracy under ASCPS, DLI collected data from insurers and ASCs because data otherwise available was insufficient. DLI sampled ASCPS-covered ASC visits that occurred from Apr. 1 to Dec. 15, 2019. Identical data elements were requested from insurers and ASCs.<sup>4</sup> The data request was issued by the DLI commissioner on Feb. 3, 2020 with a deadline of July 31, 2020 to allow six months for reporting entities to compile data. DLI provided training videos and issued monthly reminders, with a final reminder from the commissioner on Aug. 4 to entities that had not yet responded.<sup>5</sup> Minnesota IT Services @ Labor and Industry created a secure web portal to receive the data. To increase the incentive to report, DLI informed insurers and ASCs that it would publish lists of entities that had and had not provided data. Those lists appear in Appendix C and on the DLI website.<sup>6</sup>

The response rates from insurers and self-insurers were 91% and 73%, respectively, giving an 84% rate for the two groups combined ("insurers" in the remainder of this summary). The responding insurers represented 95% of total indemnity and medical benefits paid for 2016.<sup>7</sup> Of the 60 ASCs not excluded from the sample because of specialties not relevant to workers' compensation, 38, or 63%, submitted data. The high response rate from insurers, and to a lesser degree that from the ASCs, bode well for the representativeness of the data. Usable sample sizes for analyzing both payment accuracy and timeliness were 1,234 visits in the insurer data and 654 visits in the ASC data.<sup>8</sup>

#### Payment timeliness and accuracy: findings

For cases where payment was not adjusted by an arrangement with a preferred-provider organization (PPO), DLI analyzed payment accuracy by computing a correct payment amount from the reported data and comparing the actual payment to the computed correct amount. In the insurer and ASC data, exactly correct payment occurred in 68% and 59% of the cases, respectively. With a 5% margin of underpayment error and allowing for over-payment of any amount (since the latter is presumably acceptable to the ASC), payment of at least 95% of the correct amount occurred 87% of the time as reported by the insurers and 82% as reported by the ASCs. The insurer percentage was statistically different from the 80% standard set in the statutory report mandate, while the ASC percentage was not. 9 Under a more stringent standard, the percentage of cases with payment at 100% or more of the correct amount was 83% in the insurer data and 79% in the ASC data, with only the insurer percentage statistically different from 80%, at the 99% confidence level.

<sup>&</sup>lt;sup>4</sup> The requested data elements are listed in Appendix A.

<sup>&</sup>lt;sup>5</sup> The commissioner request and follow-up letters are shown in Appendix B.

<sup>&</sup>lt;sup>6</sup> www.dli.mn.gov/about-department/news-and-media/ascps.

<sup>&</sup>lt;sup>7</sup> This is based on the semi-annual reports of benefits paid that insurers and self-insurers file with DLI. The percentage refers to 2016 because that was the last year for which these entities reported both indemnity and medical benefits.

<sup>&</sup>lt;sup>8</sup> These are the numbers of visits where the reported payment did not reflect an adjustment under a contract with a preferred-provider organization (PPO) (and where other inclusion criteria were met). An additional 1,430 visits in the insurer data and 836 visits in the ASC data had payments that reflected PPO adjustments and therefore could only be used in the payment-timeliness analysis.

<sup>&</sup>lt;sup>9</sup> For a discussion of statistical significance, see p. 9.

DLI also analyzed the reasons for payment errors, by looking at random samples of visits where payment was less than 95% or more than 105% of the correct amount. A wide variety of error reasons were found in these samples. In the visits with under-payment, the most prominent payment errors were —

- limiting the 320% payment to the line charge rather than the total charge on the bill;
- incorrectly applying the discount for multiple surgical procedures; and
- paying according to the relative-value fee schedule (which applies to professional services) rather than the ASPCS.

In the visits with over-payment, the most common errors were —

- paying for non-surgical services not in the federal ASCPS;
- paying for services with zero payment rates in the federal ASCPS;
- paying for an implant;
- paying 85% of charge for the whole bill or some procedures; and
- failing to apply the multiple-procedure discount.

Many other types of errors were found, although in many cases the cause of error could not be determined.

DLI analyzed payment timeliness, for visits with and without PPO payment adjustments, by looking at the time from bill to payment. DLI looked at the percentage of cases where the insurer sent payment within 30 days of receiving the bill, the statutory payment standard. With the ASC data, DLI imputed the date the insurer received the bill as the date the bill was sent, where it was sent electronically, and otherwise as three days after the bill was sent. Also with the ASC data, DLI imputed the date the insurer sent payment as three days prior to the date the ASC received it, since most payments are made by check sent via regular mail. If the ASC provided additional bill information in response to an insurer request, the date of insurer receipt of complete bill information (insurer data) or the imputed the date of insurer receipt of complete bill information (ASC data) was used as the bill date.

A stark difference emerged between the timeliness results from the insurer and ASC data. In the insurer data, 88% of cases were reported to meet the 30-day standard, while in the ASC data this was true only 61% of the time. Both of these percentages were statistically different from 80% at the 99% confidence level. The reason for the difference is uncertain. One of the difference may be attributable to delays as bill clearinghouses relay the bills to payers. As this report was being written, DLI was in the process of matching cases between the insurance and ASC data to determine how much of the difference was attributable to different reporting on the same cases and how much was attributable to different case representation in the two samples.

Finally, using the visits without PPO adjustment to payment, DLI analyzed combined payment accuracy and timeliness — the percentage of visits for which payment was both 100% or more of the DLI-computed correct amount and timely (payment-sent date within 30 days of bill date as described

<sup>10</sup> The reason may be related to the fact that the ASC data show 97% of bills being sent electronically while the insurance data show only 72% (with 14% "unsure"). Perhaps in some of the insurer cases, the bill receipt date is viewed as the date a bill-reviewer or third-party administrator receives the bill after a bill clearinghouse "drops it to paper." However, this would account for only a few days of difference, not as large a difference as seen in the data.

above). In the insurer data, 71% of the cases met this standard, while in the ASC data this was true for only 45% of the cases. Both percentages were statistically less than the 80% standard at the 99% confidence level.

#### **Summary and conclusion**

This study finds the following:

- (1) An analysis of the trend in the overall payment-to-charge ratio for workers' compensation cases at Minnesota ASCs yields the estimate that ASCPS produced a 25% reduction in payments for these cases. This is a larger effect than the 20% projected by DLI before ASCPS took effect.
- (2) In the insurer and ASC data, exactly correct payment occurred in 68% and 59% of the cases, respectively. The percentage of cases with payment at 100% or more of the correct amount was 83% in the insurer data and 79% in the ASC data. The first three of these percentages were statistically different from the 80% statutory standard at the 99% confidence level.
- (3) In an examination of cases paid incorrectly, DLI found an abundance of error reasons.
- (4) The insurer and hospital data yielded starkly different results concerning payment timeliness: payment occurred within 30 days of insurer bill-receipt in 88% of cases in the insurer data but only in 61% in the ASC data.
- (5) With respect to combined accuracy (using the standard of the payment being 100% of the correct amount or higher) and timeliness (payment within 30 days of billing), the insurer and ASC data showed 71% and 45% of cases, respectively, meeting both standards simultaneously, both percentages being less than the statutory 80% standard with 99% statistical confidence.

DLI is considering possible statutory clarifications and enhanced guidance to insurers and ASCs in view of the findings regarding sources of payment errors. DLI is also planning to reach out to particular insurers with revealed payment errors to assist them in their understanding of ASCPS payment provisions.

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#### I. Introduction

## A. Legislative mandate

The Minnesota Legislature has mandated that the Department of Labor and Industry (DLI), by January 15, 2021, submit a report analyzing the impact of Minnesota's new system for reimbursing ambulatory surgical center (ASC) facility service costs in workers' compensation, specifically including timeliness and accuracy of payment under the new system. This system, called the Ambulatory Surgical Center Payment System (ASCPS), took effect for services provided on or after Oct. 1, 2018. The legislative requirement reads as follows:<sup>11</sup>

"Subd. 4. **Study.** The commissioner shall conduct a study analyzing the impact of the reforms, including timeliness and accuracy of payment under this section, and recommend further changes if needed. The commissioner must report the results of the study to the Workers' Compensation Advisory Council and the chairs and ranking minority members of the legislative committees with jurisdiction over workers' compensation by January 15, 2021."

This report is prepared and submitted in fulfillment of this requirement.

## B. Report scope and outline

Since the legislature did not limit the scope of this report to timeliness and accuracy of payment, and since the enactment of the new system by design involved a reduction in payments to ASCs, this report examines not only payment timeliness and accuracy but also the effect of the new system on the level of payments to ASCs for workers' compensation cases. The report first considers the effect of the new system on payment levels and then analyzes payment timeliness and accuracy.

The following sections of this report provide background to the study, present an analysis of the effect of the new system on payment levels and an analysis of payment timeliness and accuracy under the new system, and provide a summary and conclusion. As will be seen, the analysis of payment accuracy and timeliness necessitated a special data request to insurers and ASCs. Appendix A lists the data elements requested of insurers and ASCs. Appendix B contains the original data requests from the DLI commissioner along with the overdue notices sent after the original data submission deadline. Appendix C lists the insurers, self-insurers and ASCs that provided data in response to the request and those that did not. This is in fulfillment of the DLI indication to insurers and ASCs that it would publicly list those entities that did and did not provide data, both in the report and on the department website. <sup>12</sup>

<sup>&</sup>lt;sup>11</sup> Minn. Stat. § 176.1363.

<sup>&</sup>lt;sup>12</sup> This information may be found on the DLI website at www.dli.mn.gov/about-department/news-and-media/ascps.

## II. Background

#### A. ASC facility costs relative to workers' compensation medical and total cost

ASC facility services account for a growing portion of workers' compensation medical cost in Minnesota. For payment years 2017 to 2019 combined, these services made up an estimated 8.8% of workers' compensation medical cost, representing a substantial increase from an average of 4.3% for 2012 to 2014. The 8.8% for 2017 to 2019 represented an estimated 3.1% of total workers' compensation system cost for those years. <sup>14</sup>

#### B. Charged-based system prior to ASCPS

Before ASCPS took effect, Minnesota had a primarily charge-based system for reimbursing ASCs for facility services under workers' compensation. For services not covered by the relative-value fee schedule (the fee schedule used to reimburse professional services such as physician, radiology and laboratory services), ASCs were reimbursed at 85% of "usual and customary" charge — effectively the charge on the bill unless challenged by the insurer. For services covered by the relative-value fee schedule, ASCs were reimbursed at the maximum fee provided by the schedule, not to exceed the amount charged. ASC services covered by the relative-value fee schedule would typically be radiology or diagnostic services. Services not covered by the relative-value fee schedule, and eligible for 85% reimbursement, would consist of the use of the facility for a surgical procedure and would include such items as treatment, operating, and recovery room and nursing services.

## C. Concern over costs in the charge-based system

Employers and insurers had expressed concerns over costs in the charge-based system of reimbursing for ASC facility services. With a large portion of payments for ASC services tied to charges, the bulk of these costs rose in direct proportion to charge increases. According to data from the Minnesota Department of Health, average charges per registration at Minnesota ASCs rose at an average annual rate of 8.6% from 2008 to 2018. In a finding by the Workers' Compensation Research Institute (WCRI), average ASC facility payments per claim for Minnesota rose by an annual average of 6.5% from 2012 to 2017. In the Minnesota workers' compensation Medical Data Call, average facility charges and payments per ASC visit rose by annual average rates of 6.5% each between the periods 2011-2013 and

<sup>&</sup>lt;sup>13</sup> Computed by DLI from a 20% sample of the Minnesota workers' compensation Medical Data Call, which the Minnesota Workers' Compensation Insurers Association — Minnesota's workers' compensation data service organization and rating bureau — provides to DLI twice a year. The Medical Call data indicate a decreasing share of hospital inpatient service costs from 2012 to 2019, alongside increasing shares for the costs of hospital outpatient and ASC services.

<sup>&</sup>lt;sup>14</sup> Estimated as 8.8% x 35.3%, where the latter percentage is the estimated medical-cost share of total workers' compensation system cost for 2018, from Figure 2.8 of DLI's *2018 Minnesota Workers' Compensation System Report*.

<sup>&</sup>lt;sup>15</sup> Calculated by DLI from data from the Health Care Cost Information System of the Minnesota Department of Health, available at www.health.state.mn.us/data/economics/hccis/data/foscdata.html. Because of fluctuations in the trend, the growth rate was taken from the averages for the first and last three years of the period.

<sup>16</sup> WCRI, CompScope™ Medical Benchmarks for Minnesota, 20<sup>th</sup> edition, Oct. 2019, p. 13. The WCRI also found in the same publication that among 18 study states, Minnesota's average payment per claim for ASC facility services was 19% above the median for 2015 (p. 29). These findings were for claims with more than seven days of lost time.

2016-2018.  $^{17}$  By contrast, from 2008 to 2018, the Consumer Price Index for Minneapolis and St. Paul rose at an average annual rate of 1.6%  $^{18}$  and the Minnesota statewide average weekly wage used for workers' compensation benefit adjustments  $^{19}$  rose at an average annual rate of 2.4%.  $^{20}$ 

#### D. ASCPS — the new payment system

Because of these concerns, DLI led negotiations among insurer and ASC representatives that eventually produced agreement on a new payment system passed into law in 2018 and effective for services provided on or after Oct. 1, 2018.<sup>21</sup> The new system, called the Ambulatory Surgical Center Payment System (ASCPS) after Medicare's ASC payment system, is built on the Medicare system with a few additional provisions.

The central feature of Minnesota's ASCPS is that for surgical procedures and ancillary services covered under Medicare's ASCPS, payment is 320% of the Medicare amount, not to exceed total charges for all services, supplies and implantable devices provided in the ASC visit. The 320% was agreed on in the DLI-led negotiations. DLI had estimated that Minnesota workers' compensation was paying 400% of the Medicare amount for ASC facility services, so the 320% represented an estimated 20% payment reduction. Minnesota's 320% amount includes payment for all implantable devices, even if the Medicare ASCPS would allow separate payment for any of these devices.

Medicare updates its payment rates for covered procedures every year by updating the "conversion factor" that is applied to the "payment weight" for each service to convert it to a payment rate in dollars. The annual conversion-factor update is typically an increase; for 2019 and 2020, the increases were 2.1% and 2.6%, respectively. Minnesota's ASCPS provides that if the federal conversion factor should decrease by more than 2% in any year, the "320%" will be adjusted upwards to limit the payment rate reduction in Minnesota's ASCPS to just 2%. The increases of 2.1% and 2.6% for 2019 and 2020 are substantially less than the annual growth rates, cited above, of more than 6% in workers' compensation ASC payments and charges prior to 2018.

Most but not all procedures in the Medicare ASCPS are subject to a multiple-procedure discount. Under this provision, if more than one eligible procedure is performed in the same visit, the one with the highest payment rate is paid at 100% of that rate and the other eligible procedures are paid at 50% of their payment rates.

Some surgical procedures not covered in the Medicare ASCPS are compensable in Minnesota workers' compensation if they happen at an ASC. For such procedures, the Minnesota ASCPS payment is 75% of usual and customary charge. If more than one of these procedures is performed in a single visit, the highest-charged of these procedures is paid at 75% of charge and the remainder are paid at 50%.

<sup>&</sup>lt;sup>17</sup> See note 3. Three-year periods are used here to average out annual fluctuations.

<sup>&</sup>lt;sup>18</sup> Calculated by DLI from data from the U.S. Bureau of Labor Statistics, available at www.bls.gov/cpi/data.htm.

<sup>&</sup>lt;sup>19</sup> Minn. Stat. § 176.645.

<sup>&</sup>lt;sup>20</sup> Calculated by DLI from data for non-federal workers from the Minnesota Department of Employment and Economic Development, available at https://apps.deed.state.mn.us/lmi/qcew/.

<sup>&</sup>lt;sup>21</sup> The provisions of the new system are contained in Minn. Stat. § 176.1363.

<sup>&</sup>lt;sup>22</sup> The conversion factors concerned are contained in federal rule updates for the Medicare Outpatient Prospective Payment System and the Medicare ASCPS, specifically the Federal Register, vol. 83, no. 225, November 21, 2018, p. 59078 (final 2018 conversion factor of \$45.575) and vol. 84, no. 218, November 12, 2019, p. 61408 (final 2019 conversion factor of \$46.532) and p. 61410 (final 2020 conversion factor of \$47.747).

These two provisions for multiple-procedure discounts are separate from each other: if a procedure in the Medicare ASCPS and another procedure outside of the Medicare ASCPS are both performed, neither one causes the other to be eligible for a discount. As the data shows, this point is not always understood and is sometimes a source of payment error.

For a procedure or service listed in the federal ASCPS where (1) payment is at "reasonable cost," (2) the service is "contractor-priced," <sup>23</sup> or (3) "a payment rate is not otherwise provided," the Minnesota ASCPS payment is 75% of usual and customary charge. If the Medicare ASCPS indicates a payment rate of zero for a procedure or service, this constitutes a payment rate being provided. This point is also sometimes misunderstood, leading as well to payment errors.

## III. Effect of ASCPS on payment levels

As indicated in the previous section, DLI previously estimated that ASCPS, given its payment provisions, would reduce payments to ASCs by 20% relative to the prior system. DLI performed this estimation before ASCPS took effect, by simulating payments under the new system and comparing these with actual payments under the old system.<sup>24</sup> Now that the new system has been in effect for more than two years, it is possible to compare actual payments under the two systems.

Figure 1 shows the quarterly trend in the average payment-to-charge (PTC) ratio for ASC facility services in workers' compensation cases. This ratio was computed, from the Minnesota Workers' Compensation Medical Data Call, <sup>25</sup> as total payments divided by total charges for these services. As the figure shows, this ratio fell modestly during the eight years before ASCPS took effect, never falling below 63%, but fell markedly when ASCPS took effect (2018-Q4), varying within the narrow range of 48% to 53% during the eight quarters after ASCPS took effect (beginning with 2018-Q4).

To use this trend to estimate the effect of ASCPS on the PTC ratio requires, first, an estimation of what the PTC would have been during the ASCPS period (beginning with 2018-Q4) if ASCPS had not existed. Given the essentially level trend in the PTC ratio for the eight prior quarters, it seems reasonable to use the average for that period as the estimate of what the PTC would have been in the succeeding quarters in the absence of ASCPS. An essentially level trend in the PTC ratio was to be expected under the old system because payments were for the most part computed as a percentage of charges, causing payments to increase roughly in proportion to charges. While it seems reasonable to assume that the level PTC trend would have continued with ASCPS, this is ultimately not verifiable (which is true of any before-and-after comparison). The resulting estimate of what the PTC would have been without ASCPS was 67.0%.

For the first eight quarters of ASCPS (2018-Q4 to 2020-Q3), the PTC was largely level with minor variation. For this period, the average PTC ratio was 50.3%. This represents a 25% drop relative to the 67.0%. Given the assumption that the level trend in the two years prior to ASCPS would have continued without the change to that system, these numbers yield the estimate that ASCPS produced a

<sup>&</sup>lt;sup>23</sup> The federal ASCPS is administered by contractors that for some procedures and services may establish their own pricing.

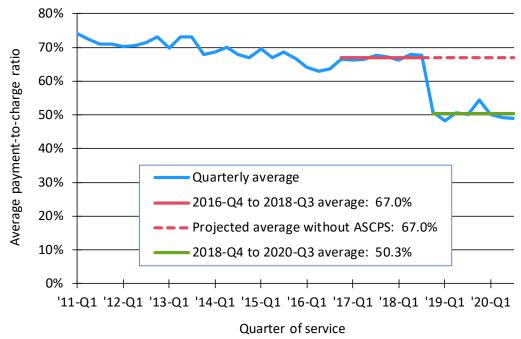
<sup>&</sup>lt;sup>24</sup> DLI performed this simulation using data from the Minnesota Medical Data Call (see note 3).

<sup>&</sup>lt;sup>25</sup> See note 1 in the figure.

 $<sup>^{26}</sup>$  (50.3% / 67.0%) – 100% = 75% – 100% = -25%.

25% drop in payments to ASCs for workers' compensation cases. This is larger than the prior DLI estimate that ASCPS would reduce ASC payments by 20%.

Figure 1
Average payment-to-charge ratio for ASC facility services in workers' compensation cases as reported in the Medical Call data [1]



 Computed by the Minnesota Workers' Compensation Insurers Association (MWCIA), according to specifications from DLI, from data from the Medical Data Call (MDC). The MDC is a nationwide program in which insurers report detailed information on workers' compensation medical services. The MDC excludes self-insurers and smaller insurers. The ratio was computed as total payments for all ASC facility services divided by total charges for those services.

## IV. Payment timeliness and accuracy under ASCPS

#### A. Data request

The required data for DLI to compute ASCPS payment accuracy and timeliness was not available from established sources.<sup>27</sup> Therefore, DLI requested the data from insurers (including self-insurers) and ASCs. The request went to both groups because of the possibility that results might differ between the two.

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<sup>&</sup>lt;sup>27</sup> In the MWCIA Medical Data Call, there is no billing date, and the provider ID is left to the discretion of the reporting insurer, so ASC location cannot be determined. Since the Medicare ASCPS payment, and therefore the Minnesota ASCPS payment, depend in part on a local area wage index, the ASC location needs to be known to determine the correct payment amount.

To produce as large and representative data samples as possible, the request went to all Minnesota workers' compensation insurers and those Minnesota ASCs likely to have a significant amount of workers' compensation business. ASCs specializing in endoscopy and eye surgery, for example, were excluded. Insurer contact information was obtained from the reporting system for DLI's semi-annual Report of Benefits Paid; ASC contact information was obtained from the Minnesota Department of Health.

For both insurer and ASC reporters, the request pertained to ASC visits from Apr. 1, 2019 to Dec. 15, 2019. DLI chose this period because it began six months after the inception of ASCPS, it would allow sufficient time for payments to occur before the data was due, and it was estimated to provide a sufficient number of sample visits. DLI estimated that there were about 4,500 ASCPS-covered visits during this period, and that under its sampling procedure (described below), there would be potentially 2,800 reportable visits for insurers and 1,700 such visits for ASC reporters. The actual numbers of sample visits were lower. Only part of this was because of response rates less than 100%; the remainder of the reason is uncertain.

Of particular concern in the data request were arrangements involving preferred-provider organizations (PPO)s. Employers may contract with PPOs to pay the PPO a lower amount than provided under statute, perhaps in exchange for faster payment.<sup>28</sup> If a PPO contract is in place, the statutory payment provisions do not necessarily apply.<sup>29</sup>

DLI divided the data request into sample visits where the payment reflected an adjustment under a PPO arrangement and those where it did not. The data for visits covered by PPOs was used only to gauge payment timelines, while the data for visits not covered by PPOs was used to gauge both payment timeliness and accuracy. Consequently, only a limited set of data items were collected for the visits covered by PPOs. Bill-level data was collected for both groups of visits, while service-level data for gauging payment accuracy — such as procedure codes, charges and payments — was collected only for visits not covered by PPOs. The same data items were collected from insurers and ASCs. Appendix A provides a detailed list of data items collected.

As previously mentioned, DLI sampled ASC visits that occurred from Apr. 1 to Dec. 15, 2019. Reporting entities — insurers and ASCs — were asked to report on all visits that occurred during the sample period, with an option for larger entities to report only on subsamples of approximately 50 visits each within the PPO and non-PPO categories to limit their reporting burden. Some entities eligible for subsampling chose this option while others chose to report on all of their cases within the report period.

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<sup>&</sup>lt;sup>28</sup> Some PPO arrangements may provide that employers will refer injured workers to a participating PPO provider. However, *requiring* injured workers to use certain providers is prohibited unless the employer is part of a Certified Managed Care Organization under Minn. Rules, 5221.0430, subparts 1 and 2, and Minn. Rules, 5218.

<sup>&</sup>lt;sup>29</sup> DLI takes no position on whether PPO arrangements comply with requirements in workers' compensation or other state law, such as the prohibition of shadow contracting in Minn. Stat. § 62Q.74.

<sup>&</sup>lt;sup>30</sup> To accomplish this while ensuring a random selection of cases, reporting entities were asked to indicate their total numbers of PPO and non-PPO visits during the report period. If either one was more than 50, a subsample period was established within the overall report period, starting with Apr. 1, determined so as to produce a target sample size of 50 cases. For example, if an insurer indicated 100 non-PPO cases during the overall report period, the subsample period was determined to be half the overall period — Apr. 1 to Aug. 8. On average, the number of subsample cases for this "half" period would be 50, although the actual number might be a bit more or less. Doing the subsampling by means of this adjustment of the reporting dates was intended to prevent the reporting entities from choosing the cases to be reported.

For reporting entities that chose the subsampling option, a weighting procedure was used in tabulating results to give full weight to the subsample cases.<sup>31</sup>

The data-reporting vehicle was an Excel spreadsheet created by DLI.<sup>32</sup> The spreadsheet was constructed to allow reporting entities to either hand-enter the data or produce a data file electronically and "drop" the results into the data-entry range. DLI produced instructional videos to help reporting entities navigate the inherent complications in the report format. Minnesota IT Services @ Labor and Industry produced an online secure data submission portal for receiving the data. Submitted data files were then transmitted to DLI Research and Statistics for analysis.

The data request was transmitted to insurers and ASCs via an e-mail letter from the DLI commissioner on Feb. 3, 2020.<sup>33</sup> The initial reporting deadline was set at July 31, 2020 to allow six months for entities to complete the request. The request informed insurers and ASCs that DLI would publicly acknowledge those entities that had helped with the project by supplying data. Reminders were sent monthly. The Insurance Federation of Minnesota and the Minnesota Ambulatory Surgical Center Association assisted by promoting the data request to their members. Four days after the original deadline of July 31, 2020, the commissioner sent an e-mail letter to those entities that had not yet responded, urging them to do so and informing them that the department would be publishing lists of those entities that had and had not responded, both in the report and on the DLI website.<sup>34</sup> Several additional responses came in after that letter.

#### B. Response to data request

The response to the data request is summarized in Figure 2. The response rates from insurers and self-insurers were 91% and 73%, respectively. The responding insurers and self-insurers represented 97% and 91%, respectively, of total workers' compensation benefits paid for 2016, as reported to DLI. 35 This indicates that the responding insurers and self-insurers were larger than average. Overall, the response rate from insurers and self-insurers combined — "insurers" in the remainder of this report — was 84%, representing 95% of total benefits paid for 2016. Of the 60 ASCs not excluded from the sample because of specialties not relevant to workers' compensation, 38, or 63%, submitted data. The high response rate from insurers, and to a lesser degree that from the ASCs, bode well for the representativeness of the data.

As previously indicated, DLI informed insurers and ASCs in the data request that it would publish the names of entities that provided data for this project and those that did not. Appendix C lists the insurers and ASCs in the two groups. DLI heartily thanks the entities that honored its data request for this mandated report; without the data, the report would have been impossible.

Figure 3 shows usable sample sizes. Some reported ASC visits had to be excluded from the analysis because of the factors indicated in note 2 in the figure.

<sup>&</sup>lt;sup>31</sup> For example, if an insurer indicated it had 100 non-PPO cases during the overall sample period but only reported on 50 of those cases under the sampling procedure, each of the sample cases would be given a weight of 2.

<sup>&</sup>lt;sup>32</sup> One feature of the spreadsheet was conditional formatting to alert the user to occurrences of invalid or inconsistent data. This certainly played a major role in promoting quality in the reported data.

 $<sup>^{\</sup>rm 33}$  The initial commissioner request letter is contained in Appendix B.

<sup>&</sup>lt;sup>34</sup> The follow-up commissioner letter is contained in Appendix B.

<sup>&</sup>lt;sup>35</sup> These figures include both indemnity and medical benefits paid. These figures are based on 2016 data because 2016 was the last year for which both indemnity and medical benefits were reported to DLI.

Figure 2
Response rates from insurers and ASCs [1]

| response rates no   | tesponse rates from modrers and 7,005 [2] |        |           |          |          |        |        |       |
|---------------------|---|--------|-----------|----------|----------|--------|--------|-------|
|                     |   |        |           |          | Insurer  | s and  |        |       |
|                     |   |        |           |          | self-ins | surers |        |       |
|                     | Insure                                    | rs [2] | Self-Insu | rers [2] | combin   | ed [2] | ASCs   | [3]   |
|                     | Number                                    | Pctg.  | Number    | Pctg.    | Number   | Pctg.  | Number | Pctg. |
| Submitting data     | 272                                       | 91%    | 164       | 73%      | 436      | 84%    | 38     | 63%   |
| Not submitting data | 26  | 9%     | 60        | 27%      | 86       | 16%    | 22     | 37%   |
| Total               | 298                                       | 100%   | 224       | 100%     | 522      | 100%   | 60     | 100%  |

- 1. Data collected by DLI for samples of workers' compensation visits that occurred from Apr. 1 to Dec. 15, 2019.
- 2. These are insurers and self-insurers that report in the semi-annual DLI Report of Benefits paid.
- 3. These are ASCs as listed by the Minnesota Department of Health, excluding ones such as endoscopy eye surgery centers that would not be doing significant workers' compensation business.

Figure 3
Usable sample cases [1]

|                                    | Number of usable sample visits [2] |       |       |  |  |  |
|------------------------------------|------------------------------------|-------|-------|--|--|--|
|                                    | Without PPO With PPO               |       |       |  |  |  |
|                                    | adjustment adjustment              |       |       |  |  |  |
|                                    | to payment to payment Total        |       |       |  |  |  |
| Insurers (including self-insurers) | 1,234                              | 1,430 | 2,664 |  |  |  |
| ASCs                               | 654 836 1,490                      |       |       |  |  |  |

- 1. Data collected by DLI for samples of workers' compensation visits that occurred from Apr. 1 to Dec. 15, 2019.
- 2. Not all reported sample visits were usable in the analysis. The usable cases, shown here, exclude those that involved hospital outpatient departments (in the insurer data), involved a non-Minnesota workers' compensation claim or a non- Minnesota ASC, or had charges or payments that did not add up from the service-specific amounts to the bill total.

## C. Findings

This section presents findings regarding ASCPS payment accuracy and timeliness. It begins with an analysis of payment accuracy, followed by an analysis of reasons for payment errors where these occurred. Then it presents results concerning payment timeliness and, finally, an analysis of the degree to which payments were both accurate and timely. As noted previously, for insurers and ASCs that reported on a subsample of their total cases for the report period, a weighting procedure was used to give full weight to the samples for those entities.<sup>36</sup>

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<sup>&</sup>lt;sup>36</sup> See note 31.

A note on statistical significance: At some points in the presentation, results of statistical significance tests are given. DLI conducted statistical significance tests on some of the results using standard techniques. The reason for a such a test is to estimate how likely it is that a result could have occurred from random variation in the sample data as opposed to an underlying tendency. For example, if a sample percentage is 70%, we may wish to estimate how likely it is to obtain such a result if the actual (population) percentage is, say, 80% — or, in other words, how likely it is that the difference between the 70% and 80% represents an underlying tendency rather than random variation in the sample data. If, for example, we say that the sample result of 70% is different from 80% at a 95% confidence level, this means it is estimated that if the true percentage is 80%, random sample variation 95% of the time would produce a sample percentage less than 10 percentage points different from 80%. In other words, a difference as large as the 10 percentage points would arise from random variation only 5% of the time.

#### 1. Payment accuracy

To gauge payment accuracy, DLI limited the sample to visits whose payments were not adjusted under an arrangement with a preferred-provider organization (PPO) as reported by the insurer or ASC. This is because payments in PPO arrangements are made under contractual agreements rather than the provisions in the workers' compensation statute.

For each ASC visit not covered by a PPO arrangement, DLI first computed a correct payment amount according to the statutory provisions described in section II-D using the reported data. DLI then compared the actual payment to the computed correct payment by taking the ratio of the actual to the computed amount. Thus, a ratio of 100% means that the actual payment was exactly equal to the correct amount, and ratios less than or more than 100% indicate under- and over-payment, respectively.

Figures 4 and 5 present the results of this analysis as performed on the insurer and ASC data, respectively. The size of each section in the pie charts represents the percentage of visits for which the ratio of the actual payment to the correct payment was in the range indicated by the label for that pie section.

In the two data sets, the percentages of visits with an exactly correct payment were higher in the insurer data than in the ASC data -67.8 vs. 59.1%. With a 5% margin of error, the percentage from 95 to 105% of the correct amount was 74.8% in the insurer data and 67.9% in the ASC data.

Using an exact — 100% — standard for correct payment, the rate of under-payment was 16.9% in the insurer data and 20.7% in the ASC data, while the over-payment rates in the two data sources were 15.3% and 20.2%, respectively. With a 5% margin of error, 37 the under-payment rates were 13.1% and 17.7%, while the over-payment rates were 12.1 and 14.4%, respectively. There was not much difference between the under- and over-payment rates in either the insurer or ASC data. However, both the underand over-payment rates were somewhat higher in the ASC data than in the insurer data.

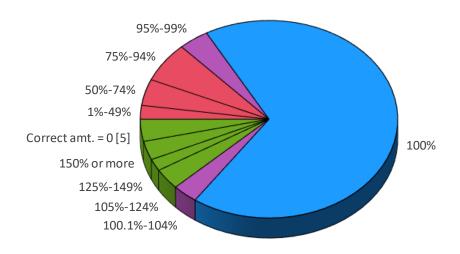
It is also of interest to consider the percentage of visits for which payment was either correct or higher. Under the exact standard for correct payment, the percentage with correct or higher payment was

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<sup>&</sup>lt;sup>37</sup> This margin of error acknowledges that in some cases where the reported payment was apparently incorrect, the "correct" amount computed by DLI might have been incorrect, and the reported payment correct, because of information not reported to DLI.

Figure 4
Actual insurer payment to ASC as percentage of DLI-computed amount: insurer data [1]

Note: The size of each pie section represents the percentage of visits with payment — as a percentage of the DLI-computed amount — in the range indicated by the section label.



Sample size: 1,234

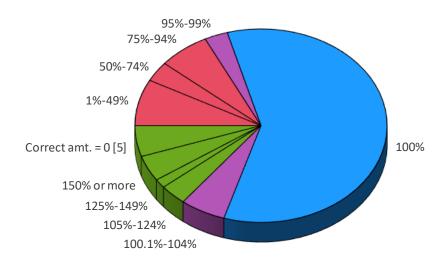
Total actual payments as percentage of total DLI-computed payments: 100.8% [2]

| Actual payment |           |            | Actual payment       |          |            |
|----------------|-----------|------------|----------------------|----------|------------|
| as pctg. of    |           | Reverse    | as pctg. of          |          | Reverse    |
| DLI-computed   | Pctg. of  | cumulative | DLI-computed         | Pctg. of | cumulative |
| payment        | visits    | pctg. [3]  | payment              | visits   | pctg. [3]  |
| 1% to 49%      | 2.2%      | 100.0%     | 100.1% to 104%       | 3.2%     | 15.3%      |
| 50% to 74%     | 4.3%      | 97.8%      | 105% to 124%         | 3.4%     | 12.1%      |
| 75% to 94%     | 6.5%      | 93.4%      | 125% to 149%         | 1.9%     | 8.7%       |
| 95% to 99%     | 3.8%      | 86.9% [4]  | 150% or more         | 3.1%     | 6.7%       |
| Exactly 100%   | 67.8% [4] | 83.1% [4]  | Correct amt. = 0 [5] | 3.6%     | 3.6%       |

- Computed from a sample of Minnesota workers' compensation ASC visits that occurred from Apr. 1 to Dec. 15, 2019. The Minnesota Department of Labor and Industry collected the data from Minnesota workers' compensation insurers. The visits included here are those whose payments were not subject to an arrangement with a preferred-provider organization (PPO).
- 2. This percentage is not statistically different from 100.0%.
- 3. This is the percentage of cases that are in the payment category concerned or a higher category. For example, the 86.9% for the 95%-to-99% category means that 86.9% of cases had payment of 95% of the DLI-computed amount or more.
- 4. This percentage is statistically different from 80.0% at the 99% confidence level.
- 5. These are cases that had actual payment but a DLI-computed payment of zero.

Figure 5
Actual insurer payment to ASC as percentage of DLI-computed amount:
ASC data [1]

Note: The size of each pie section represents the percentage of visits with payment — as a percentage of the DLI-computed amount — in the range indicated by the section label.



Sample size: 654

Total actual payments as percentage of total DLI-computed payments: 99.4% [2]

| Actual payment |           |            | Actual payment       |          |            |
|----------------|-----------|------------|----------------------|----------|------------|
| as pctg. of    |           | Reverse    | as pctg. of          |          | Reverse    |
| DLI-computed   | Pctg. of  | cumulative | DLI-computed         | Pctg. of | cumulative |
| payment        | visits    | pctg. [3]  | payment              | visits   | pctg. [3]  |
| 1% to 49%      | 7.8%      | 100.0%     | 100.1% to 104%       | 5.8%     | 20.2%      |
| 50% to 74%     | 3.4%      | 92.2%      | 105% to 124%         | 3.5%     | 14.4%      |
| 75% to 94%     | 6.6%      | 88.9%      | 125% to 149%         | 1.5%     | 11.0%      |
| 95% to 99%     | 3.0%      | 82.3% [5]  | 150% or more         | 4.3%     | 9.5%       |
| Exactly 100%   | 59.1% [4] | 79.3% [5]  | Correct amt. = 0 [6] | 5.2%     | 5.2%       |

- Computed from a sample of Minnesota workers' compensation ASC visits that occurred from Apr. 1 to Dec. 15, 2019. The Minnesota Department of Labor and Industry collected the data from Minnesota workers' compensation insurers. The visits included here are those whose payments were not subject to an arrangement with a preferred-provider organization (PPO).
- 2. This percentage is not statistically different from 100.0%.
- 3. This is the percentage of cases that are in the payment category concerned or a higher category. For example, the 82.5% for the 95%-to-99% category means that 82.5% of cases had payment of 95% of the DLI-computed amount or more.
- 4. This percentage is statistically different from 80.0% at the 99% confidence level.
- 5. This percentage is not statistically different from 80.0%.
- 6. These are cases that had actual payment but a DLI-computed payment of zero.

83.1% in the insurer data and 79.3% in the ASC data. With a 5% margin of error, the percentages of cases at 95% or more of the correct amount were 86.9% and 82.3% according to the two data sources respectively. The 86.9% from the insurer data was statistically different from 80%, at the 99% confidence level, but the 82.3% from the ASC data was not.

Another measure of overall payment accuracy is the ratio of total actual payments for all visits to total computed correct payments for all visits. This ratio was 100.8% for the insurer data and 99.4% for the ASC data. Neither percentage is statistically different from 100%.

#### 2. Reasons for payment errors

This section presents an analysis of reasons for the under- and over-payment reported in Figures 4 and 5. As with those figures, the present analysis is limited to cases without PPO arrangements.

To conduct the analysis, DLI divided the overall samples into cases reported by insurers and ASCs and cases with under- and over-payment — four subgroups in all. The groups with under- and over-payment were limited to cases where the ratio of actual to correct payment was less than 95% and greater than 105%, respectively, to focus on cases with appreciable under- and over-payment. For each of these subgroups, DLI chose a random sample of 50 cases for analysis, or the actual number of cases if less than 50. To conduct the analysis, DLI examined relevant reported data such as service codes, units of service, charges and payments as well as information derived from the reported data such as procedure code status indicators and ASC location. In a majority of cases, it was possible to determine the reasons for the errors the insurers made.

Figure 6 presents findings regarding errors where there was under-payment (actual payment less than 95% of the correct amount). To follow the discussion of these results, the reader should review the discussion of payment provisions in Section II-D. Note that while the cases concerned in Figure 6 have under-payment, some of the types of errors indicated would by themselves tend to cause over-payment; the visits concerned have under-payment because errors causing under-payment counter-acted those causing over-payment.

The most common errors in the under-payment cases (Figure 6) were limiting the 320% payment to the line charge rather than the total charge on the bill, incorrectly applying the discount for multiple surgical procedures (see note 2 in the figure), and paying according to the relative-value fee schedule (which applies to professional services) rather than the ASCPS. A variety of other erroneous practices were also discovered. The reason for error could not be determined in 42% of the cases in the insurer data and 34% of the cases in the ASC data.

Figure 7 presents findings regarding error reasons where there was over-payment (actual payment more than 105% of the correct amount). For the over-payment cases, the most common error was paying for non-surgical services not in the federal ASCPS. Although Minnesota's ASCPS pays for services outside of the federal ASCPS, this applies only to *surgical* procedures. Second-most-common was payment for services with zero payment rates in the federal ASCPS. This apparently happens because of the Minnesota ASCPS provision (cited above) that payment is 75% of charge for services in the federal ASCPS for which a payment rate "is not otherwise provided." The presence of a zero payment rate in the ASCPS in these cases is apparently being interpreted as a payment rate not being provided, which is incorrect: a payment rates is provided and it is zero. Other more prominent reasons for over-payment

Figure 6
Payment errors where there was underpayment for visits to the ASC: insurer and ASC data [1]

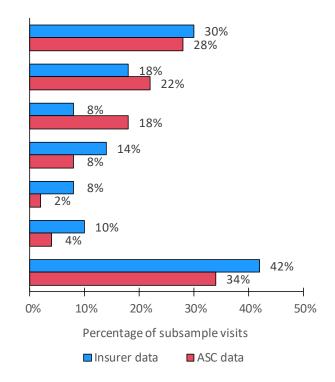
320% payment limited to line charge instead of total charge Incorrect appplication of discount for multiple surgical procedures [2] Payment made under the relative-value fee schedule Payment made for zero-payment services in the federal ASCPS addenda

Zero payment made for a surgical

Other [4]

procedure [3]

Cannot be determined



- 1. Derived from an analysis of 50 randomly drawn visits from the insurer sample and 50 such visits from the ASC sample where the actual payment was less than 95% of the correct amount (computed by DLI), using only visits not covered by PPO arrangements as reported. Percentages add to more than 100% because visits may have more than one type of payment error. Because of the small numbers of cases in the subsamples, these results are merely suggestive.
- 2. Payment practices here include applying the discount to ineligible procedures in the federal ASCPS addenda, applying the discount to a procedure in the federal addenda where there was just one such procedure, applying the discount to a procedure outside of the federal addenda when there was just one such procedure although there were procedures in the addenda (paying either 50% of charge or 50% of the amount for the procedure in the addenda), paying for multiple procedures in the federal addenda at 75% and 50% of charge instead of 320% of the federal ASCPS amount and 50% of this amount, applying the discount to a procedure in the federal addenda where there was just one such procedure although there were procedures not in the addenda, paying 50% of charge rather than 50% of the "320%" amount to the second procedure in the federal ASCPS addenda, and paying 37.5% rather than 50% of the "320%" amount to the second procedure in the federal ASCPS addenda.
- 3. A zero payment for a service is not necessarily an error. However, in the cases concerned, the reporting entity (insurer or ASC) indicated that the service was not denied by reason of primary liability, causation, or reasonableness and necessity, and also indicated a positive number for the units of service for which payment was made. In any event, a zero payment for a service contributes to the actual payment being less than the DLI-computed amount.
- 4. Payment practices here include paying for a non-surgical (non-implant) service not listed in the federal ASCPS addenda and paying 75% or 85% of charge for a surgical procedure listed in the federal ASCPS addenda.

Figure 7
Payment errors where there was overpayment for visits to the ASC: insurer and ASC data [1]

Payment for non-surgical services outside of federal ASCPS addenda Payment for services with zero payment rates

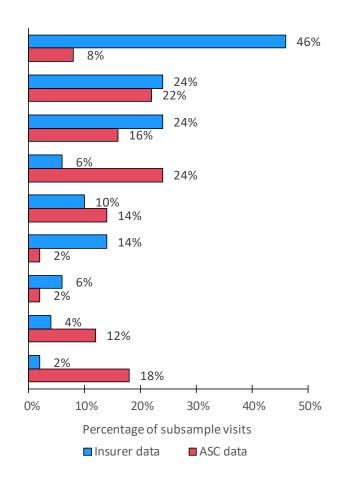
Payment for implant

Payment of 85% of charge for whole bill or some procedures
Failure to apply mutiple-procedure discount [2]
Payment of whole bill at 100% of charge

Payment of 100% of charge for some procedures or services

Other [3]

Cannot be determined



- 1. Derived from an analysis of 50 randomly drawn visits from the insurer sample and 50 such visits from the ASC sample where the actual payment was more than 105% of the correct amount (computed by DLI), using only visits not covered by PPO arrangements as reported. Percentages add to more than 100% because visits may have more than one type of payment error. Because of the small numbers of cases in the subsamples, these results are merely suggestive.
- 2. The discount concerned was sometimes the one that applies to surgical procedures in the federal ASCPS appendices and sometimes the one that applies to procedures not in those appendices.
- 3. Payment practices here include limiting the "320%" amount to the line charge rather than the total charge, paying 75% of charge for surgical procedures in the federal ASCPS appendices, paying for a service without a procedure ("HCPCS") code, paying for a service according to the relative-value fee schedule, paying for a procedure in the federal appendices at 96% or 80% of charge, and paying 85% of charge for a procedure not in the federal appendices.

included payment for an implant, payment of 85% of charge for the whole bill or some procedures, and failing to apply the multiple-procedure discount. The cases where DLI could not determine the error reason were less common here than with the under-payment cases, although still significant at 18% in the ASC data.

#### 3. Payment timeliness

DLI analyzed payment timeliness for visits covered by PPO arrangements and those not. In view of statutory and rule provisions requiring medical bill payments within 30 days of bill receipt,<sup>38</sup> the focus was on the percentage of cases where the time from bill date to payment date was 30 days or less.

The 30-day standard applies to the time from the insurer receipt of the bill to the date the insurer sends payment. Thus, in the insurer data, the amount of time to payment was computed as the time from the bill-receipt date to the payment-sent date, both dates being directly available in the data. In the ASC data, the available dates — the dates the ASC was able to report — were the date the bill was sent and the date payment was received. As shown in Figure 8, both insurers and ASCs report about 64 to 66% of

Figure 8
Percentage of visits without PPO arrangements whose bills were submitted electronically via the 837P, insurer and ASC data [1]

| Bill      |          |          |
|-----------|----------|----------|
| submitted | Insurer  | ASC      |
| on 837P?  | data [2] | data [3] |
| Yes       | 64.1%    | 66.4%    |
| No        | 22.9%    | 33.4%    |
| Unsure    | 13.0%    | 0.2%     |
| Total     | 100.0%   | 100.0%   |
|           |          |          |

- Computed from a sample of Minnesota workers'
  compensation ASC visits that occurred from Apr. 1 to Dec. 15,
  2019. DLI collected the data from Minnesota workers'
  compensation insurers and Non-Critical-Access Hospitals. The
  insurers and ASCs reported the presence or absence of a PPO
  arrangement for each visit.
- 2. In the insurer data, the question regarding bill submission on the 837P referred to the receipt of the bill by the insurer.
- 3. In the ASC data, the question regarding bill submission on the 837P referred to the sending of the bill by the ASC.

bills being sent electronically via the 837P format.<sup>39</sup> With the ASC data, DLI assumed that if the bill was sent electronically, the insurer received it two days after the date sent, allowing for possible transit through clearinghouses,<sup>40</sup> but if it was not sent electronically (that is, for the cases answered "no" or

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<sup>&</sup>lt;sup>38</sup> Minn. Stat. § 176.135, subd.6, Minn. Rules, part 5221.0600, subd. 3.

<sup>&</sup>lt;sup>39</sup> ASC X12N Implementation Guide, ASC X12N/005010X222.

<sup>&</sup>lt;sup>40</sup> This was based on insights from staff at the Minnesota Department of Health.

"unsure" in Figure 8), it was assumed to be received three days after the date sent, allowing for transit via regular mail.

For both the insurer and ASC data, if the ASC sent additional information in response to a request from the insurer, the date this information was received (insurer data) or estimated to be received (ASC data) was used as the bill date. With the ASC data, whether the original bill was or was not sent electronically, the same was assumed to be true for the additional information, so the receipt date was imputed correspondingly as two or three days after the date sent.

Regarding the date the insurer sent payment, DLI understands that most workers' compensation medical payments are sent as a check via regular mail. On this basis, in the ASC data, a payment-sent date was imputed as three days prior to the reported date payment was received. So, with the ASC data, the time from billing to payment was computed as the time from the imputed date the insurer received the bill (assumed to be the date sent if sent electronically, otherwise three days thereafter) to the imputed date the insurer sent payment (assumed to be three days before the ASC received it).

Figures 9 and 10 present findings regarding payment timeliness under the above parameters for visits covered and not covered by PPO arrangements for the insurer and ASC data, respectively. In the insurer data (Figure 9), the percentage of visits paid within 30 days is 85.2% and 91.8%, respectively, for visits not covered and those covered by PPO arrangements, and 88.3% for the two groups combined. All of these percentages are statistically different from 80.0% at the 99% confidence level. The median and average days to payment as indicated by the insurer data range from 15.0 to 21.3 days.

The picture is quite different in the ASC data (Figure 10). As reported by the ASCs, the time from imputed insurer receipt of bill to imputed sending of payment (see above discussion and note 1 in the figure) was within 30 days in 56.9% and 69.3% of the cases not covered and covered by PPO arrangements, respectively, and 66.2% for the two groups combined. All three percentages were statistically less than 80.0% at the 99% confidence level. The median and average times from billing to sending of payment ranged from 23.0 to 41.6 days for the cases with and without PPO arrangements.<sup>41</sup>

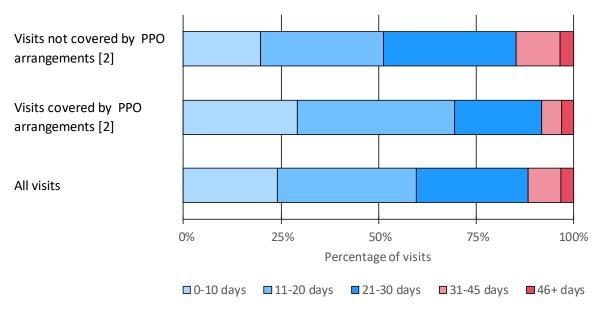
#### 4. Payment accuracy and timeliness combined

While payment accuracy and timeliness are of interest as separate questions, there is also major interest in the question of to what degree payments are simultaneously accurate and timely. Figure 11 presents findings regarding this question from the insurer and ASC data. For both data sources, the results are presented in a two-by-two grid relating to (1) visits with payment at or above versus below 100% of the correct amount and (2) visits with payment sent-date (or imputed sent-date for the ASC data) within and outside of 30 days from the bill-received date (or imputed receipt date for the ASC data). Since these findings partly involve payment accuracy, they are confined to the visits not covered by PPO arrangements.

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<sup>&</sup>lt;sup>41</sup> The results from the ASC data, and to a small extent those from the insurer data, suggest a shorter time to payment for PPO cases than for non-PPO cases. This accords with theoretical expectations, which suggest that insurers may be able to pay more quickly under PPO arrangements where the payment provisions are made clear through contractual provisions than under cases without PPO arrangements where the payment provisions in statute are perhaps more complex and challenging to navigate.

Figure 9
Number of days from receipt of bill to sending of payment: insurer data [1]

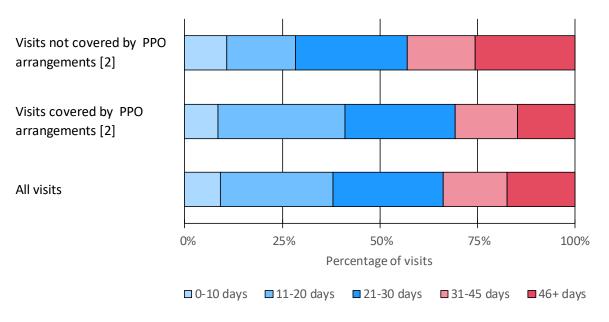


|                                       | Visits not       | Visits           |            |
|---------------------------------------|------------------|------------------|------------|
|                                       | covered by PPO   | covered by PPO   |            |
|                                       | arrangements [2] | arrangements [2] | All visits |
| Median days                           | 20.0             | 15.0             | 18.0       |
| Average days                          | 21.3             | 18.1             | 19.8       |
| Pctg. of visits with 30 or fewer days | 85.2% [3]        | 91.8% [3]        | 88.3% [3]  |
| Sample size                           | 1,221            | 1,430            | 2,651      |

- Computed from a sample of Minnesota workers' compensation ASC visits that occurred from Apr. 1 to Dec. 15, 2019. The Minnesota Department of Labor and Industry collected the data from Minnesota workers' compensation insurers.
- 2. The insurers reported the presence or absence of a PPO arrangement for each visit.
- 3. Statistically different from 80.0% at the 99% confidence level.

Figure 10

Number of days from imputed insurer receipt of bill to imputed insurer sending of payment: ASC data [1]

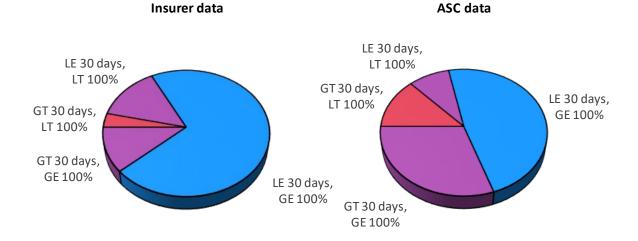


|                                       | Visits not       | Visits           |            |
|---------------------------------------|------------------|------------------|------------|
|                                       | covered by PPO   | covered by PPO   |            |
|                                       | arrangements [2] | arrangements [2] | All visits |
| Median days                           | 28.0             | 23.0             | 24.0       |
| Average days                          | 41.6             | 32.2             | 34.5       |
| Pctg. of visits with 30 or fewer days | 56.9% [3]        | 69.3% [3]        | 66.2% [3]  |
| Sample size                           | 652              | 836              | 1,488      |

- Computed from a sample of Minnesota workers' compensation ASC visits that occurred from Apr.
  1 to Dec. 15, 2019. The Minnesota Department of Labor and Industry collected the data from
  Minnesota ASCs. The date the insurer received the bill was imputed as two days after the ASC
  sent the bill if the bill was sent electronically (to allow for movement through clearinghouses),
  otherwise as three days after the date sent. The date the insurer sent payment
  was imputed as three days prior to the date the ASC received it.
- 2. The ASCs reported the presence or absence of a PPO arrangement for each visit.
- 3. Statistically different from 80.0% at the 99% confidence level.

Figure 11
Payment timing and accuracy for visits not covered by PPO arrangements: insurer and ASC data [1]

Note: The size of each pie section represents the percentage of visits with payment timeliness and accuracy in the range indicated by the section label.



|                                   |                   | Percentage of visits |                         |                            |           |       |  |
|-----------------------------------|-------------------|----------------------|-------------------------|----------------------------|-----------|-------|--|
|                                   |                   | Insurer data ASC     |                         |                            |           |       |  |
|                                   |                   |                      |                         | Time fron                  |           |       |  |
|                                   | Time from reciept |                      |                         | insurer receipt of bill to |           |       |  |
| Actual payment of bill to sending |                   |                      | imputed insurer sending |                            |           |       |  |
| as percentage of                  | of payment        |                      |                         | of payment [2]             |           |       |  |
| DLI-computed                      | More than 30 days |                      |                         | More than                  | 30 days   |       |  |
| payment                           | 30 days           | or less              | Total                   | 30 days                    | or less   | Total |  |
| Less than 100%                    | 3.6%              | 13.9%                | 17.5%                   | 13.0%                      | 8.8%      | 21.9% |  |
| 100% or more                      | 11.5%             | 71.0% [3]            | 82.5%                   | 30.3%                      | 47.8% [3] | 78.1% |  |
| Total 15.1% 84.9%                 |                   | 100.0%               | 43.3%                   | 56.7%                      | 100.0%    |       |  |
| Sample size                       |                   | 1,181                |                         |                            | 629       |       |  |

- 1. Computed from a sample of Minnesota workers' compensation ASC visits that occurred from Apr. 1 to Dec. 15, 2019. The Minnesota Department of Labor and Industry collected the data from Minnesota workers' compensation insurers and ASCs. The insurers and ASCs reported the presence or absence of a PPO arrangement for each visit.
- 2. In the ASC data, the date the insurer received the bill was imputed as two days after the ASC sent the bill if the bill was sent electronically (to allow for transit through clearinghouses), otherwise as three days after the date sent, and the date the insurer sent payment was imputed as three days prior to the date the ASC received it.
- 3. Statistically different from 80.0% at the 99% confidence level.

In the pie charts, the blue section represents the visits for which payment both met the 100%+ standard (at least 100% of the DLI-computed correct amount) and was timely (sent within 30 days of the bill date $^{42}$ ). A markedly different picture emerges from the ASC data than from the insurer data. The insurer data indicates that 71.0% of the visits had payments that both met the 100%+ standard and were timely, while the ASC data indicates less than half — 47.8%. Both of these percentages are statistically less than 80.0% at the 99% confidence level.

Note that these results depend critically on the standard used with regard to payment amount. If the payment amount were instead measured by a different standard — for example, payment within 5% of the correct amount, payment exactly equal to the correct amount or payment equal to 95% of the correct amount or higher — the resulting percentages of visits with payments meeting both the amount and timeliness standards would be different than shown here. It is noteworthy, however, that even under the most lenient payment amount standard — that payments be 95% or more of the correct amount — the percentage of cases meeting both the amount and timeliness standards is 74.2% in the insurer data and 49.1% in the ASC data, both significantly less than 80.0% at the 99% confidence level (not shown in the figure).

The percentages of cases in the other categories also differ between the insurer and ASC data. For example, the percentage of cases with payments meeting neither the amount nor the timeliness standard was 3.6% in the insurer data but 13.0% in the ASC data.

## V. Summary and conclusion

## A. Summary

In compliance with a legislative mandate, this study assessed (1) the effect of the Minnesota workers' compensation Ambulatory Surgical Center Payment System (ASCPS) on payment levels to ASCs for workers' compensation cases and (2) the degree to which payments for these cases under the new system have been accurate and timely.

An analysis of the trend in the overall payment-to-charge ratio for workers' compensation cases at Minnesota ASCs yielded the estimate that ASCPS produced a 25% reduction in payments for these cases. This is larger than the 20% reduction projected by DLI before ASCPS took effect.

For the analysis of payment timeliness and accuracy, DLI used data gathered in a special request from insurers and ASCs. DLI assessed payment accuracy by comparing the actual payment to the amount it computed from the data following ASCPS provisions. DLI assessed payment timeliness by considering the percentage of payments that were sent within the statutory 30-day limit that applies to workers' compensation medical payments in general. A summary of findings appears in Figure 12. The 83% response rate from insurers, and to a lesser degree the 63% response rates from ASCs, bode well for the representativeness of the data.

<sup>&</sup>lt;sup>42</sup> The bill date was modified to be the date additional information was received (or estimated to be received) if the insurer requested such information.

<sup>&</sup>lt;sup>43</sup> With the ASC data, DLI imputed the date the insurer received the bill as three days after the bill-sent date if the bill was not sent electronically, and imputed the date the insurer sent payment as three days prior to the date the ASC received it.

Figure 12
Summary of findings regarding payment timeliness and accuracy: insurer and ASC data [1]

|  | Insurer  | ASC   |
|--|----------|-------|
|  | data [2] | data  |
| Percentage of entities responding [3]  | 84%      | 63%   |
| Total usable sample visits [4]   | 2,664    | 1,490 |
| Sample vists not covered by a PPO adjustment [5]   | 1,234    | 654   |
| Percentage of visits with exactly correct payment [6]  | 67.8%    | 59.1% |
| Percentage of visits with payment at least 95% of the correct amount [7)   | 86.9%    | 82.3% |
| Percentage of visits with payment at least 100% of the correct amount [7)  | 83.1%    | 79.3% |
| Total actual payments as percentage of total correct payments [8]  | 100.8%   | 99.4% |
| Percentage of visits with payment sent within 30 days of bill receipt [9,10]                                       | 88.3%    | 66.2% |
| Percentage of visits with payment at least 100% of the correct amount, sent within 30 days of bill receipt [11,10] | 71.0%    | 47.8% |

- 1. Computed from a sample of Minnesota workers' compensation ASC visits that occurred from Apr. 1 to Dec. 15, 2019. The Minnesota Department of Labor and Industry collected the data from Minnesota workers' compensation insurers and ASCs.
- 2. Includes insurer and self-insurer data.
- 3. From Figure 2.
- 4. From Figure 3. This larger sample was used for analyzing payment timeliness where accuracy was not being considered.
- 5. From Figure 3. This smaller sample was used for analyzing payment accuracy, either by itself or along with payment timeliness.
- 6. From Figures 4 and 5. Both percentages are statistically less than 80.0% at the 99% confidence level.
- 7. From Figures 4 and 5. The insurer percentage is statistically different from 80.0% at the 99% confidence level; the ASC percentage is not statistically different from 80.0%.
- 8. From Figures 4 and 5. Not statistically different from 100.0%.
- 9. From Figures 9 and 10. Both percentages are statistically different from 80.0% at the 99% confidence level.
- 10. In the ASC data, the date the insurer received the bill was imputed as two days after the ASC sent the bill if the bill was sent electronically, otherwise as three days after the date sent, and the date the insurer sent payment was imputed as three days prior to the date the ASC received it.
- 11. From Figure 11. Both percentages are statistically less than 80.0% at the 99% confidence level.

Both the insurer and ASC data indicated that exactly correct payment occurred a majority of the time — 67.8% for the insurer data and 59.1% for the ASC data, respectively. With a more lenient standard for the payment amount — that the payment be at least 100% of the correct amount — payments met this standard 83.1% of the time as reported by the insurers and 79.3% as reported by the ASCs (only the insurer percentage being statistically different from 80%). Total actual payments came to 100.8% of total correct payments in the insurer data and 99.4% in the ASC data (neither one statistically different from 100%).

DLI investigated the reasons for payment errors in random samples of cases from the insurer and ASC data that were under- and over-paid. A large variety of payment errors were found. Significant misunderstanding seems to exist on the part of some insurers regarding the correct application of the ASCPS payment provisions.

The insurer and ASC data gave quite different results regarding payment timeliness. The insurer data indicated that 88.3% of payments were sent within the statutorily required 30 days of bill receipt, while the ASC data indicated a much lower 66.2%. As indicted in note 10 in Figure 12, where the ASC data was concerned, DLI used the reported bill-sent and payment-received dates to impute dates the insurer received the bill and sent payment. Therefore, the reason for the difference in results is unclear. At the time of this report, DLI was in the process of matching cases reported by insurers and ASCs to investigate this discrepancy.

Finally, DLI considered payment accuracy and timeliness simultaneously by examining the percentage of visits for which payment was both at least 100% of the DLI-computed correct amount and timely (sent within 30 days of bill submission). The visits that met both criteria amounted to 71.0% of the total in the insurer data and 47.8% in the ASC data.

#### **B.** Comment

This analysis found, among other things, differences in results between the insurer and ASC data. In general, the insurer data suggest that payments are more accurate and, especially, more timely than does the ASC data. Which is to be believed? Should we simply split the difference between the two, or give more credence to one or the other?

One line of reasoning suggests that it may make sense to give more credibility to the ASC data. This line of reasoning applies because the response rate for the insurers is less than 100% — 83% in particular. Sampling the ASCs is an indirect way of sampling insurers. Specifically, any insurer (or self-insurer) has a chance of showing up in the ASC data in direct proportion to its number of workers' compensation ASC cases. In other words, sampling the ASCs is a way of drawing a representative sample from insurers (even if not all ASCs are in the sample, which is the case). By contrast, with the insurer sample, there may be differences between the reporting and non-reporting insurers that are unknown but nonetheless there. It could be that insurers that are proactive about learning new payment provisions such as those in ASCPS and setting up systems to implement them also tend to be the ones that have the motivation and data-system capability to comply with major data requests such as the one for this study. But although this conjecture seems plausible, it should be borne in mind that while the overall insurer response rate was 83%, the reporting entities, as indicated earlier, accounted for 97% of total benefits paid by insurers and 91% of benefits paid by self-insurers. So there does not seem to be a great deal of room for improving on the representativeness of the insurer sample by going to the ASC sample.

This leaves us, for the most part, simply in a position of not knowing why the different results arose from the two samples. As previously indicated, DLI, at the time of this report, was in the process of matching cases from the insurer and ASC samples to determine what portion of the difference in findings arose from different reporting on the same cases and what portion arose from different cases in the two samples.

#### C. Conclusion

Whatever may be the reasons for the different findings from the insurer and ASC data, and whichever one of the two may closer to correct, it remains that against the statutory 80% standard in the study mandate, this study found that payments were not accurate and timely. In particular, the insurer data indicated that payments met the 100%+ standard (at least 100% of the correct amount) and the timeliness standard (payment sent within 30 days of bill receipt) in 71.0% of cases, while the ASC data indicated 47.8% (both statistically less than 80%).

DLI is considering possible statutory clarifications and enhanced guidance to insurers and ASCs in view of the findings regarding sources of payment errors. DLI is also planning to reach out to particular insurers with revealed payment errors to assist them in understanding ASCPS payment provisions.

## **Appendix A**

## Elements in data request

The following is a list of data elements requested of insurers and ASCs. Depending on the preferences of the responsible entities, data might have been reported by the insurers or ASCs themselves or a by second party such as a parent group or bill reviewer.

|  | Asked of   | Asked of  |
|--|------------|-----------|
|  | reporters  | reporters |
|  | of insurer | of ASC    |
| Data element   | data       | data      |
| Summary data (reported separately for each insurer or ASC for which                                  |            |           |
| the reporting entity had reporting responsibility)   |            |           |
| Name of insurer or ASC for which reporting   | X          | Х         |
| 2. Type of insurer (individual, group, or self)  | Х          |           |
| 3. ASC city  |            | Χ         |
| 4. Relationship of submitting entity to insurer or ASC   | Х          | Χ         |
| 5. List of insurer group members   | Х          |           |
| 6. Reporting for this insurer or ASC via this submission?  | Х          | Χ         |
| 7. Total number of HOFS-covered visits during report period, with PPO adjustment                     | Х          | Χ         |
| 8. Total number of HOFS-covered visits during report period, without PPO adjustment                  | Х          | Χ         |
| 9. Reporting on all visits or sample for insurer or ASC?   | Х          | Χ         |
| 10. Sample date window for visits with PPO (computed by report spreadsheet)                          | X          | Χ         |
| 11. Sample date window for visits without PPO (computed by report                                    | Х          | Χ         |
| 12. Number of sample visits with PPO (during sample date window)                                     | Х          | Χ         |
| 13. Number of sample visits without PPO (during sample date window)                                  | Х          | Χ         |
| 14. Number of visits during report period with neither payment nor full denial as of data submission | Х          | Χ         |
| Visit-level data (reported for HOFS-covered visits with and without PPO                              |            |           |
| arrangements)  |            |           |
| 1. Insurer name  |            | Х         |
| 2. ASC name  | Х          |           |
| 3. ASC city  | Х          |           |
| 4. Patient control number (PCN) [1]  | Х          | Χ         |
| 5. Date of service   | Х          | Χ         |

(table continued on next page)

| -   |  | Asked of   | Asked of  |
|-----|--|------------|-----------|
|     |  | reporters  | reporters |
|     |  | of insurer | of ASC    |
|     |  | data       | data      |
| 6.  | Was initial bill, as received by insurer or its representative, or sent by   | Х          | Χ         |
|     | ASC or its representative, submitted on the 837 professional standard electronic transaction?  |            |           |
| 7.  | Date insurer/ASC or its representative received/sent initial bill  | Х          | Χ         |
| 8.  | Date insurer/ASC or its representative received/sent complete bill   | Х          | Χ         |
|     | information (including any received/sent in response to request after initial bill was received/sent)                                      |            |           |
| 9.  | Total charges for visit  | Х          | Χ         |
| 10. | Total payments to date for visit   | Х          | Χ         |
| 11. | Date insurer/ASC or its representative issued/received initial payment (full or partial)   | Х          | Х         |
| 12. | Did ASC or its representative submit to insurer or its representative a request for reconsideration under Minn. Stat. § 176.1365, subd. 3? | Х          | Χ         |
| 13. | Was a dispute over any services in the visit filed with DLI or OAH?  | Х          | Χ         |
| Ser | vice-level data (reported for visits without PPO arrangements only)  |            |           |
| 1.  | HCPCS code billed ("HCPCS" = Healthcare Common Procedure Coding System)  | х          | Х         |
| 2.  | HCPCS code paid  | Х          | Χ         |
| 3.  | Is the service a drug delivered by infusion or injection?  | Х          | Χ         |
| 4.  | Units of service billed  | Х          | Χ         |
| 5.  | Units of service paid  | Х          | Χ         |
| 6.  | Amount charged for service   | Х          | Χ         |
| 7.  | Amount paid for service  | Х          | Χ         |
| 8.  | Was service denied on the basis of primary liability, causation, or reasonableness and necessity?  | Х          | Х         |

<sup>1.</sup> The Patient Control Number identifies the patient visit, not the patient.

## **Appendix B**

## Request and follow-up letters from DLI commissioner

The following is the original data request from the DLI commissioner to insurers and their representatives (e.g., third-party administrators). The letter includes a simultaneous request for data for another report — on payment accuracy and timelines under the Minnesota workers' compensation Hospital Outpatient Fee Schedule — due to the legislature on the same date as the ASCPS report: Jan. 15, 2021:



February 3, 2020

I am writing to ask you, as a Minnesota workers' compensation insurer, to participate in two data requests. Our agency needs your help to produce two legislatively mandated reports.

The reports concern the ASC Fee Schedule (ASCPS) and the Ambulatory Surgical Center Payment System (ASCPS), both of which took effect in Minnesota's worker's compensation system on Oct. 1, 2018. The Minnesota Legislature has tasked our agency with producing reports evaluating these new systems, specifically with respect to timeliness and accuracy of payment.

The data requests pertain to individual claims paid under ASCPS and ASCPS. They include those items necessary for assessing payment timeliness and accuracy, such as billing and payment dates, service codes, and payment amounts. Similar data requests will also go to Minnesota non-critical-access ASCs and ambulatory surgical centers.

To help you better report the data to us, we are:

- collecting only the data items necessary for the analysis;
- limiting the sample size;
- providing 837/835/277 references where applicable;
- structuring the Excel report file to allow you to copy in data from a computer-generated file;
- including a feature in the report file to alert you to instances of invalid or inconsistent data;
- providing online training videos; and
- allowing a six-month window for you to compile and submit your data.

## Data request

Further details, instructions, reporting templates, instructional videos, and other information to help you get started and complete this data request is at http://dli.mn.gov/about-department/news-and-media/data-request-insurers-and-self-insurers.

Please complete the request by July 31, 2020, and transmit your data to DLI via the designated secure website.

All data will be de-identified in the published report.

## **Questions?**

Questions can be directed to David Berry, principal investigator, at david.berry@state.mn.us or 651-284-5208, or Brian Zaidman, co-investigator, at brian.zaidman@state.mn.us or 651-284-5568.

I encourage your full participation in this joint effort to comply with the legislative mandate. I look forward to publicly acknowledging those insurers who have assisted our agency by supplying the requested data.

Thank you.

Sincerely, Nancy Leppink Commissioner

\*\*\*

The following is the original data request from the commissioner to ASCs:



February 3, 2020

I am writing to ask you, as a Minnesota ambulatory surgical center, to participate in a data request. Our agency needs your help to produce a legislatively mandated report.

As you know, the Ambulatory Surgical Center Payment System (ASCPS) took effect in Minnesota's workers' compensation system on Oct. 1, 2018. The Minnesota Legislature has tasked our agency with producing a report that evaluates this new system, specifically "analyzing ... timeliness and accuracy of payment."

The data request pertains to individual claims paid under the ASCPS. It includes those items necessary for assessing payment timeliness and accuracy, such as billing and payment dates, service codes and payment amounts. A similar data request is also going to Minnesota workers' compensation insurers.

To help you better report the data to us, we are:

- collecting only the data items necessary for the analysis;
- limiting the sample size;
- providing 837/835/277 references where applicable;

- structuring the Excel report file to allow you to copy in data from a computer-generated file;
- including a feature in the report file to alert you to instances of invalid or inconsistent data;
- providing online training videos; and
- allowing a six-month window for you to compile and submit your data.

## **Data request**

Further details, instructions, reporting templates, instructional videos, and other information to help you get started and complete this data request is at http://dli.mn.gov/about-department/news-and-media/data-request-ascs

Please complete the request by July 31, 2020, and transmit your data to DLI via the designated secure website. All data will be de-identified in the published report.

## **Questions?**

Questions can be directed to David Berry, principal investigator, at david.berry@state.mn.us or 651-284-5208, or Brian Zaidman, co-investigator, at brian.zaidman@state.mn.us or 651-284-5568.

I encourage your full participation in this joint effort to comply with the legislative mandate. I look forward to publicly acknowledging those ambulatory surgical centers who have assisted our agency by supplying the requested data. Thank you.

Sincerely,

Nancy Leppink Commissioner

\*\*\*

The following overdue notice was sent from the commissioner via GovDelivery on Aug. 4, 2020 to those insurers and representatives (e.g., third-party administrators) that had not yet supplied data for the HOFS and ASCPS reports:



August 4, 2020

Greetings,

I am writing to urge you to complete two data requests from the Minnesota Department of Labor and Industry that are now overdue from your company.

Six months ago I invited your participation in these data requests to enable DLI to comply with a legislative mandate to produce two reports. The reports are to analyze payment accuracy and timeliness under the ASC Fee Schedule and the Ambulatory Surgical Center Payment System in Minnesota workers' compensation. The data requests and report forms are at http://dli.mn.gov/about-department/news-and-media/data-request-insurers-and-self-insurers.

In mandating the reports, the Legislature acted on its expectation that the two new payment systems, which took effect Oct. 1, 2018, would operate as specified in statute, and on its knowledge that their successful operation was of concern to the insurance industry. The Legislature expects that information in the reports will inform workers' compensation policy, and therefore regards it as important for DLI to hear from as many entities in your industry as possible in producing the reports.

I urge you to join other members of your industry in supplying data for these reports, to make them – and the policy that flows out of them – reflective of your experience and not just that of others.

<u>The</u> deadline for supplying the data was Jul. 31. However, I understand that work assignments and priorities may have changed because of the pandemic. Therefore, I am allowing some extra time for you to prepare your data. I am establishing a final deadline of Aug. 31 for submitting data to DLI.

We need to hear from your company even if you don't have data that meets the collection criteria. We need the data in a timely manner as we work to prepare the reports. After Aug. 31, we will be indicating on the DLI website those insurers and self-insurers that have provided us with the requested data and those for which data is missing. This information will also be included in the reports to the Legislature as it is important for the Legislature to understand the data upon which the reports are based.

I hope to be able to include your company in the list of those that have supplied data to support the report findings. Thank you in advance for your efforts in providing DLI with this data.

Kind regards,

Nancy Leppink Commissioner

\*\*\*

The following overdue notice was sent from the commissioner via GovDelivery on Aug. 4, 2020 to those ASCs that had not yet supplied data for the ASCPS report:



August 4, 2020

Greetings,

I am writing to urge you to complete a data request from the Minnesota Department of Labor and Industry that is now overdue from your ambulatory surgical center.

Six months ago I invited your participation in this data request to enable DLI to comply with a legislative mandate to produce a report analyzing payment accuracy and timeliness under the Ambulatory Surgical Center Payment System in Minnesota workers' compensation. The data request and report form are at http://dli.mn.gov/about-department/news-and-media/data-request-ascs.

In mandating the report, the Legislature acted on its expectation that the new payment system, which took effect Oct. 1, 2018, would operate as specified in statute, and on its knowledge that its successful operation was of concern to the ASC industry. The Legislature expects that information in the report will inform workers' compensation policy, and therefore regards it as important for DLI to hear from as many ASCs as possible in producing the report.

I urge you to join other ASCs in supplying data for this report, to make it – and the policy that flows out of it – reflective of your experience and not just that of other ASCs.

<u>The</u> deadline for supplying the data was Jul. 31. However, I understand that work assignments and priorities may have changed because of the pandemic. Therefore, I am allowing some extra time for you to prepare your data. I am establishing a final deadline of Aug. 31 for submitting data to DLI.

We need to hear from your ASC even if you don't have data that meets the collection criteria. We need the data in a timely manner as we work to prepare the report. After Aug. 31, we will be indicating on the DLI website those ASCs that have provided us with the requested data and those for which data is missing. This information will also be included in the report to the Legislature as it is important for the Legislature to understand the data upon which the report is based.

I hope to be able to include your ASC in the list of those that have supplied data to support the report findings. Thank you in advance for your efforts in providing DLI with this data.

Kind regards,

Nancy Leppink Commissioner

\*\*\*

# **Appendix C**

## Insurers and ASCs that did and did not supply data for the report

## Entities that supplied data for the study

The following Minnesota workers' compensation insurers, self-insurers, and ASCs supplied data for this study. DLI heartily thanks these entities for their demonstrated commitment to data-driven public policy:

## Insurers that supplied data

**Accident Fund General Insurance Company** 

Accident Fund Insurance Co Of America

**Accident Fund National Insurance Company** 

Ace American Ins Co

Ace Fire Underwriters Ins

Ace Property & Cas Ins Co

Acig Insurance Company

**Acuity A Mutual Insurance Company** 

Addison Ins Co

Aig Property Casualty Company

Allmerica Financial Benefit

Allstate Insurance Co

Amco Ins Co

Amer Cas Co

Amer Compensation Ins Co

Amer Fire & Cas Co

Amer Guarantee & Liab Ins

Amer Home Assurance Co

Amer Policyholders Liq Tr

Amer States Ins Co

Amer Zurich Ins Co

American Alternative Ins

American Economy Insurance Co

American Family Mutual Ins Co

**American Insurance Company** 

American Interstate Insurance Company

American Select Insurance Company

**Amerisure Insurance Company** 

Amerisure Mutual Ins Co

Amerisure Partners Insurance Company

**Amguard Insurance Company** 

**Arch Insurance Company** 

Argonaut Ins Co

**Arrowood Indemnity Company** 

Associated Indemnity Co

Assurance Co Of America

Atlantic Specialty Ins Co C/O Onebeacon Ins Group

Auto Owners Ins Co

Bankers Standard Ins Co

**Berkley National Insurance Company** 

Berkley Regional Ins Co

Berkshire Hathaway Homestate Ins Company

Bitco General Insurance Corporation

Bitco National Insurance Company

**Bloomington Compensation Insurance Company** 

**Brotherhood Mutual Insurance Company** 

Carolina Casualty Ins Co

Century Indemnity Co

Charter Oak Fire Ins Co

Cherokee Insurance Company

Chubb Indemnity Ins Co

Church Mutual Ins Co

Citizens Insurance Company Of America

Commerce & Industry Ins Co

Continental Cas Co

**Continental Indemnity Company** 

Continental Ins Co

**Crum & Forster Indemnity Company** 

**Dakota Truck Underwriters** 

**Depositors Insurance Company** 

**Diamond Insurance Company** 

Discover Property & Cas Ins Co

**Eastguard Insurance Company** 

Electric Ins Co

Emcasco Ins Co

**Employers Assurance Company** 

**Employers Compensation Insurance Company** 

**Employers Ins Co Wausau** 

**Employers Mutual Cas Co** 

**Employers Preferred Insurance Company** 

**Everest National Ins Co** 

Farm Bureau Property & Casualty Insurance Co

Farmers Ins Exchange

Farmington Cas Co

Farmland Mutual Insurance Co

Federal Ins Co

Federated Mutual Ins Co

Federated Rural Elec Ins

Federated Service Ins Co

Fidelity & Deposit Of Md

Fidelity & Guaranty Ins

Fidelity & Guaranty Und

Firemans Fund Ins Co

Firemens Insurance Company Of Washington Dc

First Dakota Indemnity Company

First Liberty Ins Corp

First Nonprofit Insurance Co

Firstcomp Insurance Company

Florists Mutual Ins Co

**Foremost Insurance Company** 

Forest Products Ins Exch

General Cas Co Of Wi

**General Casualty Insurance Company** 

General Insurance Company Of America

Granite State Ins Co

Great American Alliance Ins Co

Great American Assurance Co

Great American Ins Co New York

**Great American Insurance Company** 

**Great Divide Insurance Company** 

Great West Cas Co

**Greenwich Insurance Company** 

Grinnell Mutl Reins Co

Guideone Mutual Ins Co

Hanover American Insurance Company (The)

Hanover Ins Group

Harleysville Insurance Co

Harleysville Lake States Ins Co

Harleysville Preferred Insurance Company

Harleysville Worcester Insurance Company

Hartford Accident & Indemnity Co

Hartford Casualty Ins Co

Hartford Fire Ins Co

Hartford Ins Co Of The Midwest

Hartford Underwriters Insurance Co

Hawkeye-Security Ins Co

Hdi Global Insurance Company

Healthcare Ins Reciprocal

Highlands Ins Co

Illinois Casualty Company

Illinois Natl Ins Co

Indemnity Ins Of N Amer

Ins Co Of North Amer

Insurance Co Of Pa

Integrity Mutual Ins Co

Liberty Ins Corp

Liberty Mutual Fire Ins

Liberty Mutual Ins Co

Lm Ins Corp

Lumber Mutual Ins Co

Mada Insurance Exchange

Maryland Cas Co

Massachusetts Bay Ins Co

Memic Indemnity Company

Meridian Security Ins Co

Michigan Millers Mutual Insurance Company

Mid Century Ins Co

Middlesex Insurance Company

Midwest Employers Casualty Company

Midwest Family Mutual Ins

Midwest Insurance Company

Midwestern Indemnity Co

Milbank Ins Co

Milford

Mitsui Sumitomo Insurance Company Of America

Mn Assigned Risk Berkley Risk Admin Co Llc

Mn Assigned Risk Dca

Mn Assigned Risk Ohms

Mn Assigned Risk Rtw

Mn Assigned Risk Sfm Risk Solutions

Mn Assigned Risk St Paul Cos

Mn Assigned Risk Wausau

Motorists Commercial Mutual Ins Company

National American Insurance Co.

**National Casualty Company** 

National Indemnity Company Of Mid America

National Interstate Ins Co

National Liability & Fire Insurance Company

**National Surety Corporation** 

Nationwide Agribusiness Insurance Co.

Nationwide Mutual Fire Insurance Co.

Nationwide Mutual Ins Co

Natl Fire Ins Of Hartford

Natl Union Fire Ins Co

New Hampshire Ins Co

Norguard Insurance Company

North Pointe Insurance Company

North River Ins Co

Northern Ins Co Of Ny

Northwestern Natl Cas Co

Northwestern Natl Ins Co

**Nova Casualty Company** 

Obi National Insurance Co C/O Onebeacon Ins Group

Ohio Cas Ins Co

Ohio Farmers Ins Co

Ohio Security Ins Co

Old Republic General Insurance Corp

Old Republic Ins Co

Owners Ins Co

Pacific Employers Ins Co

Pacific Indemnity Co

Patriot General Insurance Company

Peerless Indemnity Ins Co

Peerless Ins Co

Penn Millers Insurance Company

Pharmacists Mutl Ins Co

Phoenix Ins Co

**Pioneer Specialty Insurance Company** 

Plaza Insurance Company

Praetorian Insurance Company

Preferred Professional Ins Co

Property & Casualty Ins Co Of Hartford

Protective Ins Co

**Qbe Insurance Corporation** 

Ram Mutual Ins Co

Redwood Fire And Casualty Insurance Company

Regent Ins Co

**Riverport Insurance Company** 

Safeco Ins Co Of Amer

Safety Natl Cas Corp

**Security National Insurance Company** 

Selective Ins Co Of Amer

Selective Ins Co Of Sc

Selective Ins Co Of Se

Sentinel Insurance Company

**Sentry Casualty Company** 

Sentry Insurance A Mutual Company

Sentry Select Insurance Company

**Sfm Mutual Insurance Company** 

Sfm Safe Insurance Company

Sfm Select Insurance Company

Sompo America Insurance Company

St Paul Fire & Marine Ins

St Paul Guardian Ins Co

St Paul Mercury Ins Co

St Paul Protective Ins Co

Standard Fire Ins Co

Star Ins Co

**Starnet Insurance Company** 

Starr Indemnity & Liability Company

State Auto Prop & Cas

State Automobile Mutl Ins

State Farm Fire & Cas Co

State Farm General Ins Co

Stonington Insurance Co

**Technology Insurance Company** 

The Netherlands Ins Co

Tig Insurance Co

**Tnus Insurance Company** 

Trans Pacific Ins Co

Transguard Insurance Company Of America Inc

Transport Ins Co

Transportation Ins Co

Travelers Cas & Surety Co

Travelers Casualty Insurance Co Of America

Travelers Indemnity Amer

Travelers Indemnity Co

Travelers Indemnity Of Ct

Travelers Property Casualty Co Of America

Tri State Ins Co Of Mn

Triangle Insurance Company Inc

**Triumphe Casualty Company** 

Truck Ins Exchange

Twin City Fire Ins Co

Union Insurance Company Of Providence

United Fire & Cas Co

United Wisconsin Ins Co

Univ Underwriters Ins Co

Us Fidelity & Guaranty

Us Fire Ins Co

Utica Mutual Ins Co

Valiant Ins Co

Valley Forge Ins Co

Vanliner Ins Co

Vigilant Ins Co

Virginia Surety Company

Wausau Business Ins Co

Wausau Underwriters Ins

Wesco Insurance Company

West Amer Ins Co

West Bend Mutual Insurance Company

Western Agricultural Insurance Company

Western Natl Assur Co

Western Natl Mutl Ins Co

Westfield Ins Co

Westfield National Ins Co

Westport Ins Corp

XI Insurance America, Inc.

XI Specialty Insurance Company

Zenith Insurance Co

Zurich Amer Ins Co Of II

Zurich American Ins Co

### Self-insurers that supplied data

**ABF Freight System** 

Access Insurance Assoc

Adc Telecommunications C/O Commscope Holding Comp

Ag Processing Inc

Ak Steel Corp

Allete Inc

Allina Health System

American Crystal Sugar

**Amherst Wilder Foundation** 

**Anoka County** 

Arcelormittal Minorca Mine Inc

Archer Daniels Midland Co

Arctic Cat Inc

**Atek Management Company** 

Atlas Staffing Inc % Berkley Risk Admin Co Llc

**Benedictine Group** 

Berkley Risk Administrators Co Llc

Bermo Inc

Blandin Paper Co C/O Aon Global Risk

**Bloomington City Of** 

Blue Cross/Blue Shield

**Builders & Contractors Workers Comp Fund** 

Care Providers Workers Compensation Fund

Cargill, Incorporated

Carl Bolander & Sons Co

Carleton College

Centerpoint Energy

Childrens Hospitals And Clinics Of Minnesota

Chs Inc

City Of Duluth

City Of Stillwater % Berkley Risk Admin Co Llc

Coca-Cola Refreshments Usa, Inc

Cold Spring Granite Co

Collectively Bargained Contractors Wc Fund

Conagra Brands Inc

**Construction Services Grp** 

**Crystal Cabinet Works** 

**Cummins Inc** 

Dairy Farmers Of America Inc

Dairy Farmers Of America, Inc (Miga)

**Dakota County** 

Dayco Products, Llc

Diocese Of Winona - Rochester

**Doherty Staffing Solutions** 

**Eaton Corp** 

**Ecumen Group Self Insurance Association** 

**Eep Workers Comp Fund** 

Electric Insurance Co/Ge Wells Food

Elim Care Inc

Essentia Health

Fabcon Inc

Fairmont Foods Of Minn In

Fairview Health Services

Fedex Corp/Federal Express Corporation

Fedex Freight Inc

Ford Motor Company Workers' Compensation Dept.

Forest Products Commercial Self Ins Group

Frandsen Corporation

Gopher Resource, Llc

Grand Itasca Clinic And Hospital

Greater Minnesota Self Insurance Fund

Hancock Concrete Products, Llc

Hanson Pipe & Precast, Inc.

Health Care Select Group Self Insurance Fund

Healtheast

Healthpartners Inc

**Hibbing Taconite** 

Honeywell International

**Hormel Foods Corporation** 

International Paper Co

Isd 0011 Anoka % Sfm Risk Solutions

Isd 535 Rochester

**Itasca County** 

J & R Schugel Holdings Inc % Berkley Risk Admin Co

**Kmart Corporation** 

**Knight Transportation Inc** 

Kolberg Pioneer Inc

Lamb Weston/Rdo Frozen A Mn Genl Partnership

Land O Lakes Inc

League Of Mn Cities Ins

Life-Science Innovations, Llc

Lupient Grp Self Ins Fund

Lutheran Social Services Of Mn

Macys Inc

Marvin Lumber & Cedar Co

Mayo Clinic

Medtronic Inc

Metal Matic

Metro Airports Commission

Metropolitan Council

Midwest Safety Group S I

Miners Incorporated

Minn Assoc Of Townships

Minn Health Care Assoc

Minn Manufacturers Assoc

Minn Soft Drink Assoc

Minneapolis Building Commission

Minneapolis City Of

Minnesota Masonic Charities

Mn Counties Intergovernmental Trust

Mpls. Park & Recreation Board

Nabisco Inc C/O Mondelez Global Llc

Natl Supermarkets Inc

Nonprofit Insurance Trust

Nordstrom Inc

North Central Group S I

North Memorial Hlth Care

Northern Tool & Equipment

Otter Tail Corporation

Plymouth City Of

Polaris Industries Inc.

Potlatch Land & Lumber Llc

Presbyterian Homes Of Mn

Pro Employ Ease, Inc

Quadrangle Grp Self Insur

R.D. Offutt Farms Co

Ramsey County Hr Work Comp Division

Range Regional Health Svc

Rci Minnesota

Red Wing Shoe Company Inc

Richfield City Of

Ridgeview Medical Center

Riverview Healthcare Assc

Roadway Express Inc., C/O Yrc Worldwide Inc.

Rochester City Of

Rosemount Aerospace Inc

Rosemount Inc

Ryder Services Corp C/O Aon Global Risk Consulting

Scherer Brothers Lumber Company

Sears Roebuck & Co

Sfm Risk Solutions - Archdiocese Of St Paul & Mpls

Sfm-Risk Solutions (Farmers Union Industries)

Shafer Contracting Co Inc

Smead Manufacturing Co

Southern Mn Beet Sugar Co

Southern Mn Beet Sugar Co Miga

St Louis County

St Paul City Of

State Of Minn Risk Management Division/Worker Comp

**Target Corp Target Direct** 

**Target Corporation Target Stores** 

**Taylor Corporation** 

The Boldt Company

The Builders Group

The Davey Tree Expert Co

The Dial Corp For Armour

The Sherwin-Williams Company

The Thro Co

The Toro Company

The Work Connection

Trifac Workers Comp Fund

Tyson Foods Inc

Ulland Brothers Inc % Berkley Risk Admin Co Llc

**Umi Company Inc** 

**United States Steel Corporation** 

Univ Of Mn Risk Mgmt Ins

**University Of St Thomas** 

Upper Lakes Foods,Inc.

Virginia Reg Med Ctr

Wayne Transports Inc

Wells Concrete Product Co., C/O Ccmsi

Winona Health

Xcel Energy Inc

Yrc Worldwide Inc

#### **ASCs that supplied data**

Avera Medical Group Worthington Surgery Center

Blaine Orthopedic Surgery Center

**Burnsville Surgery Center** 

Carris Health Surgery Center

Centers for Diagnostic Imaging — St. Louis Park

Centers for Diagnostic Imaging — Woodbury Corner Stone

**Centracare Surgery Center** 

Chaska Plaza Surgery Center

**Crosstown Surgery Center** 

Eagan Orthopedic Surgery Center

Eagan Surgery Center (Summit Orthopedics)

**Family Surgery Center** 

Greenway Surgery Center (Hiawatha Surgery Center)

High Pointe Surgery Center

Horseshoe Surgery Center

Lakewalk Surgery Center

Landmark Surgery Center (Summit Orthopedics)

Mankato Surgery Center

Maple Grove Ambulatory Surgical Center

Maple Grove Center For Restorative Surgery

Midsota Surgery Center

Minnesota Valley Surgery Center

Monticello Surgery Center

Nura Surgical Center — Edina

Nura Surgical Center — Maple Grove

**Pavilion Surgery Center** 

Plymouth Asc

Plymouth Surgery Center (Summit Orthopedics)

Sanford Detroit Lakes Ambulatory Surgical Center

Southhealth Surgery Center

**Southwest Surgical Center** 

St. Cloud Surgical Center (only supplied data for analysis of payment timing, not payment accuracy)

Surgicare of Minneapolis (Centennial Lakes Surgery Center)

TRIA Orthopedic Center

TRIA Woodbury Orthopedic Center

Twin Cities Surgery Center

Vadnais Heights Surgery Center (Summit Orthopedics)

Westhealth Surgery Center

## Entities that did not supply data for the study

The following Minnesota workers' compensation insurers, self-insurers, and ASCs did supply data for this study:

#### Insurers that did not supply data

Acceptance Ind Ins Co

American Mining Insurance Company Inc.

American National Property And Casualty Company

American Physicians Assurance Corporation

**Austin Mutual Insurance Company** 

Bedivere Insurance Company C/O Onebeacon Ins Group

Cincinnati Casualty Co

Cincinnati Indemnity Co

Cincinnati Ins Co

**Continental Western Insurance Company** 

Employers Fire Ins Co C/O Onebeacon Ins Group

Genesis Ins Co

Insurance Co Of The West

Iowa Mutual Ins Co

Lamorak Insurance Company C/O Onebeacon Ins Group

Mha Insurance Company (did not receive request by DLI error)

Pennsylvania Manufacturers' Association Ins Co

Sea Bright Insurance Company

Secura Ins Co

Secura Supreme Ins Co

Spring Valley Mutual Insurance Company

**State National Insurance Company** 

T H E Insurance Company

Tower Insurance Company Of New York

Union Insurance Company
Work First Casualty Company

### Self-insurers that did not supply data

Admiral Merchants Motor Freight C/O Ahamnn Martin

Ae Goetze/Federal-Mogul

Alliant Techsystems Inc

Anderson Trucking Service Inc

Badger Equipment Co

**Board Of Water Commission** 

Browning Ferris Ind Inc - C/O Republic Services

Butler Brothers I/C

Centurylink/Qwest Corporation

Ceridian

Citigroup Inc

**Conwed Corp** 

Covenant Ministries Of Benevolence

Dana Incorporated

**Del Monte Foods** 

E. I. Du Pont De Nemours And Company

**Ecowater Systems** 

**Evangelical Lutheran Good Samaritan Society** 

**Exon Mobil Corporation** 

Fmc Co C/O Aon Global Risk Consulting

Gillette Childrens Hosp

Graco Inc

Grede Llc

**Hennepin County** 

**Hpi Ramsey** 

**Hutchinson Technology Inc** 

Interstate Power & Light Company

Isd 0625 St Paul

J C Penney Corporation Inc

Jennie O Turkey Stores Inc

Knife River Corporation North Central

Kraft Amer Fruit & Prod C/O Mondelez International

**Lear Corporation** 

Louisiana Pacific Corp (did not receive request by DLI error)

**Lunda Construction Compan** 

M A Hanna Company I/C

Minn Rural Elect Wc Trust

Minnesota Energy Resources Corporation

Minnesota Vikings / Mcombs Enterprises

Navistar, Inc.

**Nestle Purina Petcare Company** 

Officemax Incorporated

**Olmsted County** 

Park Nicollet Health Serv

Parker Hannifin Corp

Peopleready, Inc.

Poly America Inc

Post Consumer Brands Company

Rexam Beverage Can Americas

Special School Dist 0001

Stan Koch & Sons Trucking, Inc. (did not receive request by DLI error)

The Gillette Co % Procter & Gamble Company

Three Rivers Park District

Transportation Leasing Co

Vr Us Holdings Inc

West Central Turkey

Westinghouse Elec % Cbs Corporation

Weyerhaeuser Co

Whirlpool Corp

White Castle System Inc

## ASCs that did not supply data

**ACMC-Marshall Surgery Center** 

**Brainerd Lakes Surgery Center** 

Center for Pain Management

Chu Surgery Center

Fairview Maple Grove Surgery Center

HealthEast-Maplewood Surgery Center

**ILBNC Special Procedures** 

Midwest Surgery Center

Minneapolis Pain Centers — Edina

Minneapolis Pain Centers — Maple Grove

Minnetonka Ambulatory Surgery

Minnesota Orthopaedic Surgery Center

North Memorial Ambulatory Surgery

North Metro Surgery Center

Pain Centers of Minnesota — Chaska

Pain Centers of Minnesota — Mankato

**Ridges Surgery Center** 

South Central Surgical Center

Southwest Minnesota Surgery Center

University of Minnesota Health Clinics and Surgery Center

Wayzata Surgery Center

**Woodbury Surgical Suites**