Commercial Insurance Cost Savings in Ambulatory Surgery Centers
A review of commercial medical-claims data found that U.S. healthcare costs are reduced by more than $38 billion per year due to the availability of ambulatory surgery centers (ASCs) as an appropriate setting for outpatient procedures. More than $5 billion of the cost reduction accrues to the patient through lower deductible and coinsurance payments. This cost reduction is driven by the fact that, in general, ASC prices are significantly lower than hospital outpatient department (HOPD) prices for the same procedure in all markets, regardless of payer.

The study also looks at the potential savings that could be achieved if additional procedures were redirected to ASCs. As much as $55 billion could be saved annually depending on the percentage of procedures that migrate to ASCs and the mix of ASCs selected instead of HOPDs.

Finally, the study explores additional cost savings that would result if certain inpatient procedures, such as total joint replacements, continue to migrate to ASCs.

This study supplements an earlier review of Medicare costs by researchers at the University of California-Berkeley that showed that ASCs reduce Medicare costs by $2.3 billion annually. *Ambulatory Surgery Center Association, Medicare Cost Savings Tied to ASCs, (2013), http://www.advancingsurgicalcare.com/medicarecostsavings.*
Introduction and Purpose

The Medicare price differential for common outpatient services delivered in the hospital outpatient department (HOPD) vs. ambulatory surgery center (ASC) environment is well known and documented. On average, Medicare reimburses ASCs at 53 percent of the rate it reimburses HOPDs for the same procedure. The payment gap between services delivered at ASCs rather than HOPDs reduced the Centers for Medicare and Medicaid Services’ (CMS) costs by more than $7 billion between 2007 and 20111.

While CMS payment rates are publicly available, commercial carrier payment rates are not. Therefore, less is known about the price differences and associated savings that exist between the ASC and HOPD environments for those employers and patients covered by commercial insurance (employer-sponsored insurance or private insurance purchased on the public exchanges and elsewhere).

The following analysis provides an estimate of the significant savings that ASCs currently provide to commercially insured patients, along with potential savings available to the commercially insured population, when shifting care to an ASC setting. This analysis was conducted in a partnership between Healthcare Bluebook, the Ambulatory Surgery Center Association (ASCA) and HealthSmart, a leading provider of third-party administrative services for self-funded employers.

Specifically, the paper discusses each of the following:

1. the estimated cost savings generated by ASCs in the commercially insured U.S. population;
2. the estimated additional cost reductions to be achieved if more cases were to be performed in ASCs;
3. the additional value created as traditional inpatient procedures migrate to ASC settings (e.g., total knee replacements); and
4. examples of HOPD and ASC price disparities within and across regions.

The ASC model was developed in 1970, and Medicare approved payments to ASCs for more than 200 procedures in 1982. Steady growth in the number of ASCs and the number of surgical procedures performed in the outpatient setting, including HOPDs, has continued since. This shift toward outpatient procedures has accelerated due to advancements in medical practice and technology that have reduced the need for overnight hospital stays.

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Today, many common surgeries are performed as outpatient procedures, and most patients, except those with complicated health conditions, can be served in the outpatient setting. Common ASC procedures include colonoscopies, cataract surgeries, tonsillectomies and arthroscopic orthopedic surgeries. CMS currently approves and reimburses 3,837 procedure codes in the ASC setting, and commercial populations are constantly expanding these boundaries. In fact, some ASCs are performing total joint replacements and other traditionally inpatient procedures with excellent outcomes.

While all HOPDs are hospital owned, most ASCs are at least partially owned by physicians, often in conjunction with hospitals and/or management companies. Sixty-five percent of the more than 5,400 Medicare-licensed ASCs in the U.S. are wholly owned by physicians and operate as small businesses.

A study published in *Health Affairs* analyzed data from the National Survey of Ambulatory Surgery and discovered that procedures performed in ASCs are more efficient, taking 25 percent less time than those performed in hospitals. This efficiency, and corresponding cost-effectiveness, is due largely to the ASCs’ focus on a limited number of procedures, their owner/operator culture and specialized nursing and support staff. Because ASCs specialize in providing outpatient surgery, they are able to deliver patient-care services efficiently and conveniently. For example, operating rooms are turned over quickly and are not interrupted by emergency cases. This enables physicians to commence their procedures in a timely manner and use their time more productively. Consequently, ASCs tend to be more convenient and cost effective than HOPDs while still providing excellent care.

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Patients Often Pay Dramatically Different Amounts for the Same Care in the Same Community

Healthcare prices vary dramatically even within the same insurance network and city. For example, in Charleston, West Virginia, the price of a cataract surgery, including payments to the anesthesiologist and physician, can vary from $2,684 to $8,662 depending on the facility where the surgery is performed (Figure 1). In this case prices vary by more than 300 percent, primarily due to the amount charged by the facility – not the physicians. These facility prices vary by almost 600 percent and total more than 70 percent of all dollars spent for cataract surgery in Charleston, WV.

Payments to anesthesiologists vary, partially due to the time component of anesthesia billing, but these payments are the smallest portion of the total cost and are dwarfed by payments to facilities.

Payments to physicians are a more significant portion of total cost, but physicians performing the most expensive cataract surgeries are paid approximately the same as physicians performing the least expensive surgeries. Thus, it is the choice of facility that drives the total price variation.

The consistency of payments to physicians indicates that most physicians are unable to differentiate themselves when negotiating payment rates from insurance companies and, hence, are paid similar rates. Facilities, on the other hand, vary significantly in their service payments to physicians and charge accordingly.

Payments to anesthesiologists vary, partially due to the time component of anesthesia billing, but these payments are the smallest portion of the total cost and are dwarfed by payments to facilities. Payments to physicians are a more significant portion of total cost, but physicians performing the most expensive cataract surgeries are paid approximately the same as physicians performing the least expensive surgeries. Thus, it is the choice of facility that drives the total price variation. The consistency of payments to physicians indicates that most physicians are unable to differentiate themselves when negotiating payment rates from insurance companies and, hence, are paid similar rates. Facilities, on the other hand, vary significantly in their service payments to physicians and charge accordingly.
offerings and market power and, therefore, have significantly different negotiated rates with insurance companies.

For example, Hospital A provides emergency, inpatient and outpatient care. Hospital B offers everything Hospital A offers and also operates the only children’s hospital in the metropolitan area. Due to this exclusive service line, Hospital B has better negotiating leverage with an insurance company. Importantly, this leverage applies not only to services uniquely performed in the children’s hospital, but also to outpatient surgeries, such as cataract surgery, that are performed in other facilities in the area. Since the entire hospital is either in or out of network, all services are negotiated together, allowing Hospital B to demand higher reimbursement for procedures even though equally good, lower-priced alternative sites of service exist in that market area.

Since any ASC will offer fewer services than both Hospital A and B, those ASCs will have less negotiating leverage with commercial carriers and, therefore, often will receive lower reimbursement rates than either Hospital A or B if they want to be included in the insurer’s network. While the efficiency inherent in the ASC model explains why ASCs can continue to exist when receiving significantly lower payments, it is the market power of hospitals that widens these price disparities.

As a result of these factors, the total price of a procedure performed at an ASC is generally significantly lower than the total price of the same procedure performed in an HOPD. For example, the average price of cataract surgery at an ASC in Charleston, West Virginia, is $2,932, including the physician and anesthesiologist payments, while the average price at an HOPD is $5,762 (Figure 2). In this example,

![Average Cataract Surgery Price by Facility—Charleston, WV](chart)

*Includes allowed amounts for all claim components: anesthesia, professional and facility.

Figure 2

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3 Neprash, H.T., BA, Chernew, M.E., PhD, Hicks, A.L., MS, Gibson, T., PhD, & McWilliams, M., MD, PhD. (2015, October). Association of Financial Integration Between Physicians and Hospitals With Commercial Health Care Prices. *Journal of the American Medical Association.*

the average price for a cataract surgery at the least expensive facility was $2,684, including the payments to anesthesiologists and physicians. At the most expensive facility, the average price was $7,987. ASCs are at the low end of the spectrum and HOPDs are at the high end.

This commercial price differential between the ASC and HOPD environments is persistent across metropolitan areas (Figure 3), insurance carriers and procedure categories, with the degree of price variability related to local market factors.

**Summary of Methodology**

All analysis was conducted using a sample of de-identified commercial claims data for calendar year 2014 from HealthSmart. This data represents more than 400,000 lives across all regions of the U.S. The CMS list of ASC-eligible procedure codes, with a few additions reflecting those prevalent in a commercial population (pediatric-related codes, OB/GYN-related codes, etc.), was used to identify the spending on procedures that can be performed in an ASC.

Total price of service was included in the analysis (facility fees, professional fees and anesthesia fees, where relevant). Based on the commercial population considered, these services accounted for about 19 percent of total medical spend, or $890 per person for the year. All prices are calculated using the "allowed" amount, which reflects the actual amount a provider received after any discounts were applied.

Thirteen high-volume outpatient procedures were used as proxies to analyze the price differential between the ASC and HOPD environments and estimate the percentage of spending that could be saved by performing the procedures in ASCs instead of HOPDs. An adjustment was made to account for the fact that some high-risk patients are not candidates for ASCs.

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**Figure 3**

Average Cataract Surgery Price* by Market & Facility

- Tulsa
- Evansville
- Charleston

* Includes allowed amounts for all claim components: anesthesia, professional and facility.
for ASC-based care (patients with high comorbidities are traditionally directed to an HOPD in order to be closer to critical-access care). This adjusted percentage was applied to the $890 ASC-eligible spend per person and then scaled by the commercially insured U.S. population to estimate the national savings potential.

All estimates are based on the calendar year 2014 data. No adjustments were made to account for population aging or increasing utilization of ASC-eligible services. (See Appendix A: Methodology and Appendix B: Adjustments for ASC Ineligibility for a more detailed explanation of the methodology.)

Current ASC Use Reduces Private Healthcare Costs by $38 Billion Annually

The lower cost of care in ASCs relative to HOPDs saves employers and consumers tens of billions of dollars a year. For the commercially insured population in the U.S., an estimated $37.8 billion is saved annually by using ASCs. Stated differently, if all of the procedures currently performed in ASCs for the commercially insured population in the U.S. were performed in HOPDs, the cost of those procedures would increase by $37.8 billion in just one year.

Potential Cost Reductions Attributed to ASCs

Despite the savings detailed above, for commercially insured populations, only 48 percent of procedures commonly performed in ASCs are actually performed in ASCs. If the remaining 52 percent were performed at ASC price points, an additional $41 billion in healthcare costs could be saved annually.

As a practical matter, ASCs would not be the appropriate setting for a small percentage of patients (e.g., those with serious health issues) currently treated in HOPDs. For example, patients on dialysis (0.1 percent of Americans) are not ASC eligible for certain procedures. When ASC-ineligible cases are accounted for, the total potential annual savings from performing the surgeries in ASCs instead of HOPDs is $38.2B. (This assumes 3 percent of relevant cases are ASC ineligible. See Appendix B: Adjustments for ASC Ineligibility.)

The average ASC price, however, is a blend of both lower-priced and higher-priced ASCs. The optimal migration of cases would shift cases from HOPDs to the local low-price ASCs. If patients were directed to low-price ASCs only, the potential annual savings increases from $38.2 billion to $55.6 billion.

Migrating a meaningful number of patients to lower-cost ASC settings would, undoubtedly, also have the added benefit of causing HOPDs
to consider price reductions in order to maintain their market share. While this study did not attempt to model the competitive reactions of HOPDs if confronted with a significant loss of patient volume, fundamental economic principles as well as a recent study that looked at the impact of reference-based pricing on patient choices concluded that hospitals did, in fact, lower their pricing for certain procedures in response to a loss of market share to competing ASCs⁵.

Potential Savings Can Grow if ASCs Can Perform More Complex Procedures

With advances in surgical techniques, pain management and post-surgical care, more procedures traditionally performed in the inpatient setting are being shifted to ASCs. This creates an expanding frontier for reducing healthcare costs. As an example, total hip and total knee replacements, which currently account for about 1.5 percent of total medical spend, are now being performed safely in ASCs in a limited number of markets. The potential savings are significant. Assuming that the price differential and the rate of ASC ineligibility due to comorbidities for total joint replacement will be commensurate with other outpatient procedures, $3.2 billion could be saved by moving total hip and knee replacements to ASCs. (See Appendix A: Methodology.)

Projected National Cost Reductions

To realize the potential cost reductions highlighted above, several things need to happen. On the supply side, ASC capacity will have to double in order to support the migration from HOPDs.

On the demand side, patients must be educated and incentivized to choose ASCs for their outpatient procedures. As premiums rise and adoption of high-deductible health plans increases, patients have greater incentives to reduce their costs by choosing ASC-based care, but education is lacking. Though healthcare transparency has made significant advancements in recent years, most patients are still unaware of the lower costs that ASCs offer.

Even modest changes in market share produce massive savings for the entire health system. For example, if an additional 5 percent of current HOPD case were moved to ASCs annually over the next ten years, $113.8 billion would be saved compared to current utilization rates (Table 1). This assumes that the annual potential ASC savings is currently $41.4 billion:

Ten-Year Savings Projection

<table>
<thead>
<tr>
<th></th>
<th>2017</th>
<th>2018</th>
<th>2019</th>
<th>2020</th>
<th>2021</th>
<th>2022</th>
<th>2023</th>
<th>2024</th>
<th>2025</th>
<th>2026</th>
<th>Total</th>
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<tbody>
<tr>
<td>Potential Savings</td>
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<td>$41.4 B</td>
<td>$41.4 B</td>
<td>$41.4 B</td>
<td>$41.4 B</td>
<td>$41.4 B</td>
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<td>$41.4 B</td>
<td>$41.4 B</td>
<td>$413.7 B</td>
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<tr>
<td>Percent of Savings Captured</td>
<td>9%</td>
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<td>15%</td>
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<td>30%</td>
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<td>40%</td>
<td>45%</td>
<td>50%</td>
<td>28%</td>
</tr>
<tr>
<td>Savings</td>
<td>$2.1 B</td>
<td>$4.1 B</td>
<td>$6.2 B</td>
<td>$8.3 B</td>
<td>$10.3 B</td>
<td>$12.4 B</td>
<td>$14.5 B</td>
<td>$16.5 B</td>
<td>$18.6 B</td>
<td>$20.7 B</td>
<td>$113.8 B</td>
</tr>
</tbody>
</table>

Table 1

$38.2 billion from current ASC-eligible procedures above plus $3.2 billion from total knee and hip replacement.

For ASC eligible procedures in this study, patients were responsible for 15 percent of the cost on average. That would mean $17.1 billion in reduced costs for patients over the next ten years (Figure 4). If 3 percent or 8 percent of HOPD cases were moved to ASCs annually, ten-year savings would be $68.3 billion and $182 billion respectively (Table 2).

### Projected National Cost Reduction

<table>
<thead>
<tr>
<th>Description</th>
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<tbody>
<tr>
<td>Plan Sponsor Savings</td>
<td>$96.7 B</td>
</tr>
<tr>
<td>Patient Savings</td>
<td>$17.1 B</td>
</tr>
<tr>
<td>Total Savings</td>
<td>$113.8 B</td>
</tr>
</tbody>
</table>

Figure 4

These estimates do not account for inflation or upward trends in medical spending. They also do not take into account the potential that HOPD pricing will decrease in order to compete with ASCs, which would create further outpatient savings. As referenced above, in the CalPERS reference pricing program, high-priced providers will reduce prices to be competitive and attract price-sensitive consumers.

### Average Annual Health Insurance Premiums and Worker Contributions for Family Coverage, 2005-2015

<table>
<thead>
<tr>
<th>Year</th>
<th>Employer Contribution</th>
<th>Worker Contribution</th>
</tr>
</thead>
<tbody>
<tr>
<td>2005</td>
<td>$10,880</td>
<td>$2,713</td>
</tr>
<tr>
<td>2015</td>
<td>$17,545</td>
<td>$4,955</td>
</tr>
</tbody>
</table>


### Reducing Costs for Employers and Employees

From 2005 to 2015, average health insurance premiums for employer-sponsored family coverage increased 61 percent, from $10,880 to $17,545 per year. To combat these rising costs, employers have increasingly adopted Consumer Driven Health Plans (CDHP) and account-based plan types, shifting costs to employees. This has driven the average employee’s share of healthcare spending up 81 percent in the same time period, from $2,713 to $4,955 annually. This highlights the need for programs like price transparency that can help patients identify better value providers within their networks so that employers and their employees both can lower costs.

### Ten-Year Savings Projections

<table>
<thead>
<tr>
<th>Year</th>
<th>2017</th>
<th>2018</th>
<th>2019</th>
<th>2020</th>
<th>2021</th>
<th>2022</th>
<th>2023</th>
<th>2024</th>
<th>2025</th>
<th>2026</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Savings at 3% Additional Capture</td>
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<td>$2.5 B</td>
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<td>$5.0 B</td>
<td>$6.2 B</td>
<td>$7.4 B</td>
<td>$8.7 B</td>
<td>$9.9 B</td>
<td>$11.2 B</td>
<td>$12.4 B</td>
<td>$68.3 B</td>
</tr>
<tr>
<td>Savings at 5% Additional Capture</td>
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<td>$4.1 B</td>
<td>$6.2 B</td>
<td>$8.3 B</td>
<td>$10.3 B</td>
<td>$12.4 B</td>
<td>$14.5 B</td>
<td>$16.5 B</td>
<td>$18.6 B</td>
<td>$20.7 B</td>
<td>$113.8 B</td>
</tr>
<tr>
<td>Savings at 8% Additional Capture</td>
<td>$3.3 B</td>
<td>$6.6 B</td>
<td>$9.9 B</td>
<td>$13.2 B</td>
<td>$16.5 B</td>
<td>$19.9 B</td>
<td>$23.2 B</td>
<td>$26.5 B</td>
<td>$29.8 B</td>
<td>$33.1 B</td>
<td>$182.0 B</td>
</tr>
</tbody>
</table>

Table 2

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For example, in Charlotte, NC, the average ASC price for a knee arthroscopy was $6,118, while the average HOPD price was $12,493, more than twice as expensive. That means $6,375 is saved on average in Charlotte, NC, when a patient chooses an ASC for a knee arthroscopy. How those savings are divided between the payer and the patient depends on the plan design.

For a knee arthroscopy in Charlotte, NC, if a patient has a Silver Plan as defined by the Affordable Care Act, with a $2,700 deductible, 80 percent coinsurance and $5,000 maximum out of pocket, the patient would save $1,275—more than the median family’s weekly income. The remaining $5,100 would be saved by the payer. For self-funded employer-sponsored insurance, that is $5,100 directly to the bottom line for the employer.

Applying the same plan design to the earlier example of cataract surgery in Charleston, WV, a patient would save $566 by choosing an ASC instead of an HOPD. This is a significant savings in a geographic area where annual income per capita is less than $35,0007. The payer would realize an additional savings of $2,264.

**Estimating Savings for Self-Insured Populations**

For employers that self insure, it is reasonably straightforward to estimate the potential cost reductions from ASCs for their covered employees. With $890 in ASC-eligible spending per commercially insured person and 20.6 percent savings opportunity from moving all ASC-eligible cases from HOPDs to ASCs, $183 in potential ASC savings exists per commercially insured person. A self-funded employer with 1,000 employees is normally covering more than 2,000 lives, when employees and dependents are counted, which means a potential ASC-based savings of more than $366,000 for the employer and employees.

**Conclusion**

Billions of dollars spent each year on commercially insured outpatient surgeries and procedures can be reduced, without compromising quality, if more cases migrate to ambulatory surgery centers. While a small percentage of patients have health conditions that require outpatient care to be received in proximity to a full-service hospital should complications arise, most patients can receive the same level of care at lower cost by seeking treatment in an ASC. Advances in medical technology and pain control are allowing increasingly complex procedures, such as total joint replacements, to be performed in an outpatient setting.

Policymakers, insurers, employers and beneficiaries all have a shared interest in reducing healthcare costs, and the $38 billion in annual savings identified in this study highlight the role that ASCs already play in controlling these costs. Strategies should be implemented to generate additional savings by ensuring that the most efficient site of service for outpatient care is selected whenever possible. In particular, innovative plan design and increased consumer awareness of the benefits of receiving care in an ASC can save thousands of dollars per procedure.

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About the authors/organizations

**Ambulatory Surgery Center Association (ASCA)**
ASCA is the national membership association that represents ASCs of all specialties and provides advocacy and resources to assist ASCs in delivering high quality, cost-effective ambulatory surgery to all the patients they serve.

**Healthcare Bluebook**
Healthcarebluebook.com, headquartered in Nashville, TN, is a leading provider of health-care price and quality transparency solutions to employers, third-party administrators (TPA), health plans and provider organizations. Healthcare Bluebook products help employers and employees save money by enabling consumers to understand local health-care prices, compare providers on price and quality and shop for care anywhere in the U.S.

**HealthSmart**
For more than 40 years, HealthSmart has offered a wide array of customizable and scalable health-plan solutions for self-funded employers. HealthSmart’s comprehensive service suite addresses individual health from all angles. This includes claims and benefits administration, provider networks, pharmacy, benefit-management services, business intelligence, onsite employer clinics, care management, a variety of health and wellness initiatives and Web-based reporting.

Appendix A: Methodology

**Data Source**
All analysis was conducted using a national sample of de-identified commercial claims for calendar year 2014.

**Estimating Potential ASC Savings for the Commercially Insured U.S. Population**
The estimated potential ASC savings for the commercially insured U.S. population is calculated as:

\[
\text{Addressable Spend per Commercially Insured Person} \times \text{Percent Savings from ASCs} \times \text{Commercially Insured Population}
\]

<table>
<thead>
<tr>
<th>Addressable Spend per Commercially Insured Person</th>
<th>Percent Savings from ASCs</th>
<th>Commercially Insured Population</th>
</tr>
</thead>
<tbody>
<tr>
<td>$890</td>
<td>20.6%</td>
<td>208.6M</td>
</tr>
</tbody>
</table>

**Estimating the Addressable Spend per Commercially Insured Patient**
The addressable spend is the expenditure on any procedure that could be performed in an ASC for an ASC-eligible patient, whether that patient is ASC eligible or not. (Adjustments for ASC ineligible are made later in the process. See Appendix B: Adjustments for ASC Ineligibility.) All prices are calculated using the allowed amount, which is the actual amount a provider receives after any discounts are applied.

CMS currently covers 3,837 procedure codes in the ASC setting. Procedure codes from select Healthcare Bluebook ShopSmart™ procedures were added to the CMS list to produce a complete ASC-eligible procedure code list. These procedure codes were used to identify procedures in one
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Estimating Percent Savings from ASCs

To estimate the percent savings from ASCs, thirteen high-volume procedures were used as proxies to represent all ASC procedures. These procedures were selected for their high volume and standardization. The average ASC price was calculated for each procedure in each metropolitan market across the U.S.

The potential ASC savings is the sum of the differences between the price of each HOPD case and the average ASC case price for that metropolitan market and procedure combination. Market and procedure combinations with limited data volume were excluded.

\[
potential\ ASC\ savings = \sum_{m,p,h} \left( cost_{m,p,h} - \text{average\_ASC\_price}_{m,p} \right)\]

To produce the ASC savings as a percentage, the potential ASC savings was divided by the total spend for all analyzed markets and procedures and multiplied by one hundred.

\[
\text{percent\ savings\ from\ ASCs} = \sum_{m,p,h} \frac{potential\ ASC\ savings}{\text{total\ spend}} \times 100
\]

Estimating Potential Savings from Total Hip & Total Knee Replacements

To estimate potential savings from moving total hip and knee replacements to the ASC setting, Equation 1 from above was used, but with $73.59 as the addressable spend per commercially insured person. This represents 1.5 percent of total medical spend per commercially insured person. The 20.6 percent savings opportunity was not changed because there are not currently enough markets offering ASC-based joint replacement to use as a representation of the entire U.S. However, the savings opportunity may be as much as double this estimate based on markets that currently have ASC-based total joint replacements.

Appendix B: Adjustments for ASC Ineligibility

Some patients will not qualify for treatment in an ASC setting due to comorbidities or other complicating factors. To account for this, potential ASC savings were estimated using three assumptions for what percent of the commercially insured population is ASC ineligible: 1 percent, 3 percent and 7
Estimating the Addressable Spend per Commercially Insured Patient

The addressable spend is the expenditure on any procedure that could be performed in an ASC for an ASC-eligible patient, whether that patient is ASC eligible or not. (Adjustments for ASC ineligible are made later in the process. See Appendix B: Adjustments for ASC Ineligibility.) All prices are calculated using the allowed amount, which is the actual amount a provider receives after any discounts are applied.

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<table>
<thead>
<tr>
<th>Condition</th>
<th>Prevalence (% of U.S. Population)</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Latex Allergy</td>
<td>&lt; 1%</td>
<td>Some ASCs are not equipped with a latex-free operating room.</td>
</tr>
<tr>
<td>CKD (with Dialysis)</td>
<td>0.1%</td>
<td>Not a disqualifying condition for all procedures performed in ASCs.</td>
</tr>
<tr>
<td>BMI &gt; 40</td>
<td>6.3%</td>
<td>Patients with BMI &gt; 45 are almost always ASC ineligible. Not all patients with BMI between 40 and 45 are ASC ineligible.</td>
</tr>
</tbody>
</table>

Common Conditions that Effect ASC Eligibility

Three percent was selected as the expected rate of ASC ineligibility in a commercially insured population. This, however, could still be an overestimation, so we have also included the one-percent ASC-ineligibility threshold.

For each of these ASC-ineligibility rates, a corresponding number of cases per market/procedure combination were assumed to be performed at the average HOPD price and excluded from the migration calculation. See Table 4 for the sensitivity impact on estimated savings.

Appendix C: Savings Examples

Procedure prices in most U.S. markets can vary by as much as 500 percent. In most cases, when present, ASCs provide the best value.

<table>
<thead>
<tr>
<th>Procedure</th>
<th>Market</th>
<th>Lowest Price Provider Type</th>
<th>Lowest Price</th>
<th>Average ASC Price</th>
<th>Average HOPD Price</th>
<th>Average Price Difference</th>
</tr>
</thead>
<tbody>
<tr>
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