Supplemental Insurance Reduces Out-of-Pocket Costs in Medicare Observation Services

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Up to 10% of the acutely ill patients in hospitals today are not admitted, but cared for under outpatient “observation.”1,2 Hospitals use observation services to replace inpatient services for patients who do not meet inpatient illness standards. Use of this technique for Medicare beneficiaries has grown in recent years, and future policy changes may further increase the percentage of hospital stays classified as observation.3,4

Increased use of observation services has cost-sharing implications for Medicare beneficiaries. Because hospital observation stays are paid through Medicare’s outpatient (Part B) rather than inpatient (Part A) benefit, beneficiaries do not have an out-of-pocket maximum per hospital stay.5 Although prior analyses documented mean out-of-pocket costs of $400 to $600 per stay, out-of-pocket costs may exceed the Part A deductible and leave beneficiaries responsible for hospital costs that may have been reimbursed by Part A in an inpatient stay.5–7 Approximately 6% to 10% of Medicare observation stays result in out-of-pocket costs exceeding the Part A deductible nationally, and recent work in this journal documented that 26.6% of beneficiaries with repeat observation stays within a 60-day period may pay more than the 1-time deductible-based payment that beneficiaries are responsible for under Medicare Part A.5–7

However, prior analyses of beneficiary out-of-pocket costs did not account for supplemental insurance payments. Approximately 80% to 90% of fee-for-service Medicare beneficiaries who use either a private (Medigap or employer based) or state-based (Medicaid or other plans) supplemental insurance plan.8–10 The effect of supplemental insurance on out-of-pocket costs has been documented for inpatient stays, yet has not been explored for observation stays.9 We sought to describe Medicare beneficiaries’ out-of-pocket costs by accounting for payments from all insurers.

METHODS

We obtained payment data from 2 affiliated hospitals for all Medicare observation hospital stays between April 2013 and March 2014. Stays insured by Medicare Advantage plans (Part C) were excluded, and charges from skilled nursing facility (SNF) stays were not available. Although the exact origin of each stay was not available, the majority of stays at these hospitals came from emergency visits, direct placement from outpatient providers, and postoutpatient procedural monitoring. The dataset included charges, insurance adjustments and payments from all sources, diagnoses, and demographics. Insurance adjustments represented the reductions applied to total stay charges by each insurer in congruence with their contract with the health system. Our dataset included charges for all hospital materials and services usually billed under Part A, including medications. Out-of-pocket costs were calculated by subtracting insurance adjustments and payments from the total charges for each stay. To identify potential cost-shifting from Medicare to beneficiaries, we compared out-of-pocket costs to the Part A deductible ($1184 for stays in 2013 and $1216 for 2014). Household income data were estimated using zip code and Internal Revenue Service data for 2013.11

The University of California Los Angeles institutional review board approved this study. Statistical significance was calculated using a 2-tailed unpaired t test for means and χ2 for percentages.

RESULTS

There were 2029 total observation stays during the study period, representing 5.0% of all discharges from both hospitals. Medicare beneficiaries accounted for 722 of those observation stays. Among the 498 finalized Medicare observation stays, the median patient age was 73 years, and median household income was $30,591. The median length of stay was 25 hours, with 1.8% of stays lasting longer than 2 midnights. Seventy percent of beneficiaries had private supplemental insurance, whereas 6% had state-based supplemental plans. Table 1 presents detailed costs. Out-of-
TABLE 1. Insurer Payments and Beneficiary Out-of-Pocket Costs

<table>
<thead>
<tr>
<th>Medicare Stays, N = 498</th>
<th>Mean (SD)</th>
<th>Median (IQR)</th>
<th>Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>Payments by Medicare</td>
<td>$2,533 (2,883)</td>
<td>$1,521 (1,886)</td>
<td>$4–$29,633</td>
</tr>
<tr>
<td>Payments by supplemental insurers</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Private insurers (N = 351)</td>
<td>$454 (384)</td>
<td>$324 (332)</td>
<td>$0–$2,590</td>
</tr>
<tr>
<td>State-based insurers (N = 29)</td>
<td>$222 (402)</td>
<td>$43 (102)</td>
<td>$2–$1,229</td>
</tr>
<tr>
<td>Beneficiary out-of-pocket costs</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Without supplemental insurer (N = 118)</td>
<td>$537 (1,557)</td>
<td>$286 (440)</td>
<td>$0–$16,196*</td>
</tr>
<tr>
<td>With private supplemental insurer</td>
<td>$45 (414)</td>
<td>$39 (16)</td>
<td>$0–$7,670*</td>
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<tr>
<td>With state-based supplemental insurer</td>
<td>$168 (412)</td>
<td>$15 (27)</td>
<td>$0–1,870*</td>
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NOTE: Abbreviations: IQR, interquartile range; SD, standard deviation. “Out-of-pocket costs in this study represent the maximum possible value. Hospitals often write off excessive costs or they remain uncollected.”† P < 0.01 compared to stays without supplemental insurance.

Payments by supplemental insurers

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A minority of observation stays produced out-of-pocket costs exceeding the Part A deductible. Those percentages were 7.6% for stays without a supplemental insurer, 3.5% (P < 0.01) for stays with a state-based supplemental insurer, and 0.3% (P < 0.01) for stays with a private supplemental insurer. Of the 224 nonfinalized Medicare stays, 1.3% (P < 0.01) exceeded the Part A deductible after supplemental insurer adjustments.

DISCUSSION

This study demonstrates that supplemental insurance can dramatically reduce Medicare beneficiaries’ out-of-pocket costs in observation services. Mean out-of-pocket costs of $45 and $168 for stays with private and state-based supplemental insurer plans are significantly lower than prior estimates calculated without supplemental insurance information, as are the percentages of stays with out-of-pocket costs exceeding the Part A deductible, at 0.3% and 3.5%, respectively.5–7 Because the majority of Medicare beneficiaries use supplemental insurance, excessive out-of-pocket costs in observation services may occur less frequently than previously reported.9,10 Clinicians concerned about excessive out-of-pocket costs for Medicare beneficiaries can be reassured they are usually modest for beneficiaries with supplemental insurance.

This study’s mean out-of-pocket cost and percentage of stays with out-of-pocket costs exceeding the Part A deductible for beneficiaries without supplemental insurance are similar to results from prior national analyses performed without supplemental insurer information.5–7 But this study was limited by a small sample size from 2 affiliated hospitals, with few repeat observation stays within a 60-day period. In addition, posthospitalization SNF fees were not included, which traditionally have been a significant source of out-of-pocket costs in observation services.3,7 Populations with supplemental insurance treated elsewhere may incur hospital out-of-pocket costs differing from these results due to dissimilarities in the presence and quality of supplemental insurance.

However, most Medigap plans are federally regulated to cover the majority of out-of-pockets unpaid by Medicare.12 Medicaid plans usually place limits on out-of-pocket costs, and any other state or employer-based supplemental plans will also reduce out-of-pocket costs.13 Thus, it is likely accurate to assume mean observation services out-of-pocket costs for hospital fees are lower than previously reported by national analyses performed without supplemental insurance information. Attempts at estimating beneficiary out-of-pocket costs in the future should account for supplemental insurance adjustments and payments.

Acknowledgements

The authors thank Andrew Kaufman for his work in obtaining these data.

Disclosures: Dr. Doyle’s time was supported by a National Research Service Award from the National Institutes of Health and administered through the University of California Los Angeles. Drs. Etter and Nuckols received no support for this work. There are no conflicts of interest to report.

References


