Lessons Learned Preparing for Medicare Bundled Payments

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For nearly 50 years, Medicare has operated separate payment systems for hospitals, clinics, physicians, post-acute care facilities, and other categories of health care providers, with few incentives for coordinating care across the continuum of services. These systems support a fragmented delivery system at substantial cost to taxpayers and Medicare beneficiaries.

Policy analysts have long been interested in encouraging improved efficiency and care coordination by bundling Medicare payments for a range of services delivered during defined episodes of care. For example, an episode-based payment for total joint replacement could include the inpatient admission and professional services, plus skilled nursing, home health care, and other post-acute care services for a defined period after discharge.

In August 2011, the Center for Medicare and Medicaid Innovation of the Centers for Medicare and Medicaid Services (CMS) announced a Bundled Payments for Care Improvement Initiative and invited providers to apply for one of four new payment models to begin in 2013. The first model bundles payments for hospital and physician services during a hospitalization. The second model bundles payments for hospitalization and all post-acute care services for up to 180 days after discharge. The third model bundles payments for post-acute care services after hospitalization but doesn’t include the hospital stay. The fourth model sets a fixed prospective payment for all services during a hospitalization plus readmissions within 30 days. As we assisted more than 100 hospitals in preparing to participate, we assessed the program’s opportunities and challenges through analysis of a large Medicare claims database.

Under the new program, episodes of care are triggered by a hospitalization. CMS did not define specific episode types but invited applicants to propose their own definitions within the four models’ parameters. In applications that were submitted in June, organizations proposed episode definitions that included inpatient diagnosis-related groups (DRGs), episode time windows, and lists of services to be excluded from episodes. In October, CMS came back to the applicants with standard definitions for 48 episodes that would be the basis of the program. Hospitals that select multiple episode types containing high-volume DRGs, such as total joint replacement, congestive heart failure, chronic obstructive pulmonary disease, and pneumo-
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The first three models don’t actually pay a fixed price to the organization responsible for an episode of care. Most hospitals—primarily providing inpatient care—our focus here—are beginning a shift from using bundled-payment programs to creating a buying opportunity for hospitals and skilled nursing facilities to systematically analyze what happens to Medicare patients after they leave the hospital. Our work with these hospitals focused on episodes of inpatient care plus all related services for 90 days after discharge. Several important findings emerged.

First, the data show that Medicare typically spends as much or more in the 90 days after discharge as it spends for the initial hospitalization. For patients who are discharged, post-acute care spending can average twice the cost of the initial hospital stay, and 90-day readmission rates can exceed 40% (see graph).2

Second, the data show wide variation in average post-acute care spending. Hospitals with post-acute care spending above the median for any particular episode type spent, on average, about 40% more than hospitals with spending below the median, and variation between the lowest-cost and highest-cost hospitals frequently exceeded 100%. Readmissions are one major source of variation. For episodes of congestive heart failure, high-cost facilities frequently have readmission rates of approximately 40% — 10 percentage points higher than low-cost facilities. Utilization of post-acute care facilities also drives variation. For example, hospitals with high post-acute care spending for total joint replacement tend to use rehabilitation hospitals and skilled nursing facilities much more frequently than do those with lower spending.

This variation highlights opportunities for hospitals and their partners to improve quality and reduce spending by reaching out to patients after discharge and reconciling medications, scheduling timely primary care visits, establishing plans for addressing common problems, and coordinating with post-acute care providers. Although many hospitals lack strong clinical relationships with such providers, the data that applicants receive from CMS can help them identify partners by showing where their patients receive services and at what cost.

A critical finding of our analysis is that the current design of Medicare’s bundled-payment program poses financial risks for participating hospitals because the relatively small number of patients within each type of episode can lead to substantial year-to-year variation in the severity of illness in, and costs for, patients who...
Reducing Administrative Costs and Improving the Health Care System

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The average U.S. physician spends 43 minutes a day interacting with health plans about payment, dealing with formularies, and obtaining authorizations for procedures. In addition, physicians’ offices must hire coders, who spend their days translating clinical records into billing forms and submitting and monitoring reimbursements. The amount of time and money spent on administrative tasks is one of the most frustrating aspects of modern medicine.

Indeed, for the system as a whole, administrative tasks are extremely costly. According to the

The Bundled Payments for Care Improvement Initiative has great potential to engage hospitals in clinical redesign and care coordination that could improve both care and efficiency. Hospitals already have incentives through Medicare’s DRG payment system to make inpatient care more efficient, but few have invested in managing care after discharge. The bundled-payment initiative provides an opportunity for hospitals to gain experience with coordinating care across a continuum of services for discrete clinical conditions. Nonetheless, program managers must be vigilant to ensure that the financial incentives don’t cause stinting on care or avoidance of high-risk patients.  

The success of the initiative will depend on whether it protects participating hospitals against losses resulting from both random and systematic variation in illness severity. Certain design features will make it much more attractive to hospitals, including risk adjustment, stop-loss protection for high-cost cases, an ability to exclude cases with high-cost primary diagnoses from episode definitions, and so-called risk corridors that allow hospitals to share both gains and losses as they acclimate to the program. CMS has begun to discuss changes to the proposed financial model with applicants. If hospitals are confident that the program will financially reward successful clinical performance, many more will be willing to pursue the opportunities for care improvement that this program seeks to encourage.

Disclosure forms provided by the authors are available with the full text of this article at NEJM.org.

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