

## Part B Drug Spending Dashboard Methodology

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### Background

The Part B Drug Spending Dashboard is an interactive, web-based tool that presents spending information for Medicare Part B drugs – drugs administered in doctors’ offices and other outpatient settings and paid through the Medicare Part B program. Analyses of Part B drugs are possible for all Part B fee-for-service Medicare beneficiaries, but exclude any beneficiaries in the Medicare Advantage program (which represents approximately ~30% of the Medicare population). The Dashboard focuses on average spending per dosage unit and change in average spending per dosage unit over time. The tool also includes consumer-friendly descriptions of the drug uses, clinical indications, and manufacturer(s).

Medicare Part B claims (e.g. claims from physicians, durable medical equipment and other suppliers, outpatient hospitals, etc.) contain information on drugs administered and billed directly to Medicare by providers. Part B claims were summarized by Healthcare Common Procedure Coding System (HCPCS) codes and limited to HCPCS codes listed in the publicly available Medicare Average Sales Price (ASP) quarterly files for the most recent year (i.e. 2017)<sup>1</sup>.

The following Part B claims were excluded: claims billed using “Not Otherwise Classified” (NOC) codes (e.g. J3490, J3590, or J9999), claims where Medicare was not the primary payer, claims submitted by critical access hospitals (CAHs) and Maryland hospitals as well as claims with total spending amounts of zero associated with the drug, which is due to bundling in Ambulatory Payment Classification groups. In addition, NDCs with fewer than 50 claims in the current (2017) or previous year (2016) were excluded. Since 5-year trend information is presented, any drug information in years prior to 2016 with fewer than 11 claims have been redacted.

Claims data were averaged across any applicable modifiers or place of service indicators associated with a single HCPCS. Drugs with multiple strengths (e.g. 20mg, 40mg, 80mg) were not combined when individual HCPCS codes exist for different strengths.

### Drug Metrics

Drug spending metrics for Part B drugs are based on total spending, which is derived from summing the three revenue center payment fields on the claim referring to Medicare payment, deductible, and coinsurance. This represents the full value of the product, including the Medicare

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<sup>1</sup> Part B drug pricing on the quarterly files may not be available for a variety of reasons; for example, because the drug that is described by the HCPCS code is no longer available, the HCPCS code has been updated or replaced, etc.

payment and beneficiary liability. All Part B drug spending metrics are calculated at the HCPCS level.

The Part B Drug Spending Dashboard focuses on average spending per dosage unit and change in average spending per dosage unit over time. For Part B, the quantity of a drug in a dosage unit is the same as the quantity of the drug in one HCPCS billing unit, that is, the amount of drug in the HCPCS code descriptor.

The Part B Drug Spending Dashboard also includes information on the payment amounts for many HCPCS codes that are paid under Part B. The ASP-based payment amounts that appear in the Dashboard include the statutory 6 percent add on and are obtained from the ASP Drug Pricing files, which are updated quarterly with sales data that is submitted by drug manufacturers. Although most Part B drug payments are based on the ASP, the Part B dashboard's ASP may reflect other applicable Part B payment amounts that are authorized by law. For example, the statute requires that payments for some Part B drugs, such as influenza vaccines, be based on the Average Wholesale Price (AWP).

### **Drug Metric Definitions**

- Average Spending per Dosage Unit: Part B drug spending divided by the number of dosage units.
- Change in Average Spending per Dosage Unit: the percent change in average spending per dosage unit from the prior year.
- Annual Growth Rate in Average Spending per Dosage Unit: the constant average change in spending per dosage unit over the most recent five years of data availability, calculated using the compound annual growth rate (CAGR).
- Total Spending: aggregate drug spending for the Part B program during the benefit year.
- Total Beneficiaries: number of Medicare Part B fee-for-service beneficiaries utilizing the drug during the benefit year.
- Average Spending per Beneficiary: total Part B drug costs divided by the number of unique beneficiaries utilizing the drug during the benefit year.
- Average Sales Price (ASP): The average of the quarterly payment amount listed on the ASP Drug Pricing files, including the 6 percent or other applicable add-on.

Additional drug metrics, with their definitions, are available in the data tables that are available for [download](#).

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