

# Procedural Analytics

Connects procedural supply and clinical data to identify opportunities to reduce costs, optimize utilization and improve outcomes

Procedural Analytics, a module within Vizient analytics, links member procedural data with supply costs and clinical outcomes data to allow health care providers to quickly and easily compare critical metrics such as supply cost per case, product utilization and case length.

## Procedural Analytics provides two views

The module provides two ways to view the data: a clinically integrated view and a supply-only view. Supply cost and utilization data is available in both views, and you can view the data by procedure groupings, physicians, supplies or facilities.

**The supply-only view** provides near real-time data on total quantity of supplies used, average price per case and average quantity used per case.

**The clinically integrated view** includes clinical outcome metrics, such as length of stay, complications and readmissions data, in addition to the supply-only metrics.

Health care leaders are accustomed to analyzing cost, utilization and clinical outcomes data, but this data is usually only accessible via disparate systems. Without combined data, it is difficult to analyze how supply utilization affects other areas of clinical resource utilization and unnecessary clinical variation, and to ultimately identify opportunities to improve quality of care. Vizient® clinical and supply analytics solutions collect data and provide insights to help you better understand quality, utilization and supply costs throughout the patient experience. The Procedural Analytics module leverages procedural data to identify potential pricing and clinical outcome opportunities. Procedural Analytics pulls in the source system data and connects this with clinical outcome data and the price index from your supply data.

Procedural Analytics will allow you to:

### Connect procedural supply and clinical data

Vizient Procedural Analytics connects data from the procedural area — including procedure details and supply utilization — with supply cost, price index and the clinical outcomes for the encounter. The outcome data is specific about supply usage at the catalog and manufacturer level.

If you use Vizient Savings Actualizer™ with benchmarking capabilities, you can also see the price index of your supplies, allowing you to determine if you have utilization or pricing opportunities — or both.

### Drill into supply utilization from product attribution to specific catalog number

Data is charge-code agnostic, pulled directly from the procedural source system daily, weekly or monthly as specified by the user. The catalog-level data allows you to see the Vizient hierarchy of supply attribution.

### Analyze robust data to gain credible insights

Procedural Analytics employs robust data quality and processing as well as thorough validations to the raw procedural case, supply cost, clinical match and supply chain data. You can use this data to determine how your supply utilization and pricing compare to the cohort of benchmarking facilities.

Vizient Clinical Data Base (CDB) members will also see Vizient-expected values for patient cohorts in their Procedural Analytics dashboard. These expected values are based on the Vizient best-in-class risk-adjustment methodology, which enables facilities to have informed conversations about the acuity of their patient cohorts, view them relative to other comparable facilities and set appropriate performance targets.

Base MS-DRG 152

## Major joint replac/reattach lower ext

Procedures (4)

Physicians (8)

Supply Categories (12)

Facilities (5)

### Average Procedural Supply Cost of Encounter Per Procedure

Top 10 Show all

MS-DRG 470

ICD-10-PC 05RC0J9

Replace of R Knee Jt with Synth Sub, Cement, Open Approach

n=132



Supply Categories used in these procedures

Knee Implants

Cement

Ortho Other

Custom

MS-DRG 470

ICD-10-PC 05RD0J9

Replace of L Knee Jt with Synth Sub, Cement, Open Approach

n=119



| MS-DRG  | Primary ICD-10-PC   | Volume | Total Procedural Supply Cost Avg   Cohort | Total Procedural Supply Cost Difference | Patient Age Avg   Cohort | LOS Index Avg   Cohort | Complications per 1000 Avg   Cohort | Readmission Avg   Cohort |
|---|---|--------|---|---|--------------------------|------------------------|-------------------------------------|--------------------------|
| 470<br>Major Joint Replacement Or Reattachment of Lower Extremity without MCC | 05RC0J9<br>Replace of R Knee Jt with Synth Sub, Cement, Open Approach | 132    | \$4,315                                   | \$3,650<br>-\$87,780                    | 55   64                  | 1.15   1.01            | 76   68                             | 5.5%   4.9%              |
| 470<br>Major Joint Replacement Or Reattachment of Lower Extremity without MCC | 05RD0J9<br>Replace of L Knee Jt with Synth Sub, Cement, Open Approach | 119    | \$4,287                                   | \$3,672<br>-\$73,185                    | 65   57                  | 1.01   0.99            | 38   34                             | 6.6%   5.9%              |

Procedural Analytics is the first module in the analytics suite that allows you to see your procedural supply cost data by physician, procedure, supply, and facility. You can further explore the data at the case, patient and item-level detail. The data visualizations are clear and drill down is easy to quickly gather actionable insights.



For more information, contact your client executive.

As the nation's largest member-driven health care performance improvement company, Vizient provides network-powered insights in the critical areas of clinical, operational, and supply chain performance and empowers members to deliver exceptional, cost-effective care.