

Clinician Decision Analytics

A technology offering which complements the Vizient advisory and clinical analytics portfolio, brought to you in partnership with Phrase Health.

About Phrase Health

Phrase Health is a data and analytics company that provides a platform for deep insights into physician ordering practices and quality improvement interventions. Combined with our Clinical Data Base (CDB) and quality consulting expertise, Vizient® is now able to deliver new and unique insights in clinical variation to our members. Clinician Decision Analytics is a technology that drives clinical variation improvement by tying interventions to outcomes.

Alone, or combined with insights from the CDB, this powerful tool allows health care organizations to aggregate EHR data to pursue clinical variation opportunities, review order set interventions and alerts, and monitor compliance over time.

Key benefits:

- Improve profitability per case
- Improve service line performance
- Improve quality, process, and value-based outcomes

Act on known clinical variation reduction opportunities

As health care organizations continually strive to reduce clinical variation, one of the biggest challenges is order set appropriateness and consistency, and the workflow that leads to ordering and clinical decision-making. At a high level, organizations generally know where variation opportunities exist. But having visibility into resource utilization at the provider level can be elusive but necessary to pinpoint areas of opportunity and implement widespread change.

Using analytics to improve clinical variation

Clinician Decision Analytics enables health care organizations to act on known opportunities by:

- Identifying variation across medications, labs and other orders by linking them to order sets, departments, specialties and individual clinicians
- Reviewing order set utilization and monitoring corrective adjustments across departments, providers, and specialties
- Visualizing how often an alert pops up, which provider types see it most, and if individual providers are taking the appropriate actions
- Assessing and monitoring the effectiveness of quality improvement initiatives driving quality measures and patient outcomes
- Visualizing this graphically while also benchmarking performance across other health system comparators, as well as internal stakeholders

Gaining insights into EHR interventions and ordering patterns

Clinical Decision Analytics focuses on ensuring alerts are meaningful and impactful while providing insight on ordering behavior and order sets, bringing value by allowing users to:

- Connect charge-based resource data to order sets
- Connect interventions to risk adjusted Vizient outcomes data
- Augment insights around variation and optimize EHR configurations

Benefits as a stand-alone or bundled offering

Clinical Decision Analytics can be used as a stand-alone solution as described above, or in combination with other available offerings and consulting expertise.

Clinical Decision Analytics + Advisory

Although it is essential to have granular Clinician Decision Analytics guiding an understanding of clinical variation opportunities, analytics alone are not sufficient. Key informatics expertise must be in place to affect systemwide change that enhances clinician workflows through technology which includes:

- Clinical workflow analysis to contextualize recommendations
- Evaluation of IT and clinical hand offs to ensure smooth implementation
- IT and clinical workflow recommendations rooted in industry best practices

In addition, because of the flexibility of Clinical Decision Analytics reporting and the importance of clinical process data in driving measures like length of stay, mortality, or overutilization, Clinical Decision Analytics can complement larger organizational initiatives. Enhancing the specificity of recommendations with granular, near real-time data can drive the metrics that matter on any clinical improvement project.

Clinical Decision Analytics + Custom Analytics

The Vizient CDB provides total transparency through risk-adjusted methodologies and benchmarked outcomes data. When combined with the CDB, Clinical Decision Analytics offers:

- Improved insight into clinician behavior and ordering practices that is integrated with the robust outcomes data available through the CDB
- Expanded capability to look at internal variation and cost drivers, including a full view into supply and drug cost, wastage, throughput time, and clinical outcomes

- CEO level dashboard for comprehensive overview of health system cost, quality, and market performance
- Unifying service line definitions used for strategic planning with CDB clinical service lines to enable integrated insights into service line market, quality, cost, and operational performance

While combining Clinical Decision Analytics with the Vizient CDB will bring opportunities into focus, sometimes a different view of the data is necessary. The Phrase Health team can create custom views of your relevant data and, along with analyst expertise, go beyond key insights and support situations like:

- Clinical variation stemming from unique situations with order sets, alerts or other EHR interventions
- Cross-organization benchmarking to identify service lines or conditions with poor performing EHR interventions
- Custom reporting with Phrase Health data that highlight poor-performing interventions

“This is the type of information [all my teams] should use in decision making.”

COO, Academic Medical Center

“I was waiting for someone to do something like this.”

Cardiologist and Quality Subject Matter Expert,
Pediatric Academic Medical Center



To learn more, please contact the Vizient consulting team at clinicalanalytics@vizientinc.com

As the nation's largest member-driven health care performance improvement company, Vizient provides solutions and services that empower health care providers to deliver high-value care by aligning cost, quality and market performance. With analytics, advisory services and a robust sourcing portfolio, we help members improve patient outcomes and lower costs.