Symmetry Rx Analytics
Measure and predict risk with pharmacy claims data

Timely, reliable, and effective risk management can be a challenge without access to complete claims data. Yet health plans must effectively manage medical risk to improve the health status of members and reduce the cost of care. Better risk assessment — even with incomplete claims data — can help health plans streamline underwriting and pricing processes to improve risk identification, increase sales, and reduce actuarial and underwriting costs.

Optum® Symmetry® Rx Analytics uses pharmacy claims data to reliably assess member risk and also measure drug regimen complexity and adherence. Because pharmacy claims information is often easier to access, more complete, more consistent and more current than medical claims data, Rx Analytics is a convenient and timely predictor of health risk and medication adherence. Utilizing pharmacy claims data allows for timely prediction, more frequent risk assessment, predictive accuracy, a deeper understanding of medication complexity, and reduced risk of admissions.*

Further, Rx Analytics helps organizations identify members with high risk due to the complexity of their outpatient medication regimen profiles allows users to predict how much a member will cost next year, who is complex, and who is nonadherent, allowing the user to proactively deploy care management efforts to keep costs down and quality of care up.

A proven episodes-of-care approach
The foundation for Rx Analytics is the patented Symmetry Episode Treatment Groups® (ETG®) illness classification and episode building system, a product that rigorously assigns health care claims data, including pharmaceuticals, into risk-adjusted episodes of care. Rx Analytics uses an individual's pharmacy claims and demographic information to assess prospective health risk. It also has capability to predict risk using pharmacy-related codes (HCPCS) from medical claims. This functionality allows specialty drugs typically administered in facilities to be considered in estimating a member’s prospective risk.

* Internal Optum analysis.

Symmetry Rx Analytics
R² of .24

vs.

Traditional claims-based analytics
R² of about .27

Although medical claims-based analytics are highly accurate, Symmetry Rx Analytics approaches that accuracy with pharmacy claims alone.*
Drug regimen complexity and adherence measurement

Symmetry Rx Analytics can also help an organization identify members with nonadherence and highly complex outpatient medication regimens. By providing a measure of adherence and the complexity of member medication regimens at any point in time, Rx Analytics allows health plans to better identify and stratify its members for intervention, develop customized intervention programs and targeted plans, and ultimately improve CMS Star Ratings and member satisfaction through care management programs.

Medical and financial applications

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<tr>
<th>Predictive modeling</th>
<th>Disease and care management</th>
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<td>Enables identification of members who are at risk for catastrophic utilization</td>
<td>Allows for stratification of patients within a particular disease in order to promote timely and appropriate interventions</td>
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<tr>
<th>Health risk assessment</th>
<th>Financial/actuarial</th>
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<td>Facilitates assessment of members without past medical utilization as well as members more recently enrolled with a health plan</td>
<td>Supports actuaries and underwriters in setting appropriate premium rates and in more accurately matching premium revenue with expected health care expenses</td>
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Key benefits of Rx Analytics

Compelling advantages include accuracy, timeliness and more:

- **Timely prediction:** When compared to medical claims, pharmacy claims data are available to users on a timely basis — typically within two weeks of the prescription fill date.

- **More frequent risk assessment:** Symmetry Rx Analytics allows users to assess member health risk on a more frequent basis than is practical with medical claims data — as often as nightly, if relevant.

- **Predictive accuracy:** Symmetry Rx Analytics provides predictions of future health risk that approach those of traditional medical claims-based risk assessment solutions, with fewer data requirements.

- **Deeper understanding of medications:** Symmetry Rx Analytics allows you to measure drug regimen complexity and flags members with high medication complexity, impacting adherence and outcomes with better visibility.

- **Reduced risk of admissions:** As high medication regimen complexity has been shown to be well-correlated with increased risk of emergency department and inpatient admissions,* measuring drug therapy complexity and monitoring those members with high complexity is critical.

To learn more about how Symmetry Rx Analytics can help you make the most out of your pharmacy claims data:

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<th>Visit</th>
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<td>1-800-765-6807</td>
<td><a href="mailto:empower@optum.com">empower@optum.com</a></td>
<td>optum.com</td>
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* Internal Optum analysis.