Be the boss of your data.

Introducing robust, off-the-shelf analytics that can help you optimize your existing IT investments and accelerate time to value.

Flexible Analytics for Providers:

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IBM Watson Health™
Make moving quickly from data to insights the new norm.

Welcome to the analytics approach that puts you (and keeps you) in charge — delivering the powerful business insights your stakeholders need, when they need them, while making the most of your enterprise data warehouse and IT investments.

With Flexible Analytics from IBM Watson Health™, you can finally make your data work for you.
A changing healthcare landscape.

Hospitals and health systems are facing a changing environment that demands business model transformation and the redesign of operational processes. In this new paradigm, breaking down data silos and developing an information-centric strategy can help providers identify risk, improve performance and increase margins.

There's no longer time to wait and see. You need to understand and act.

Analytics are the bridge that can connect a provider’s growing collection of claims, clinical and operational data to the critical insights necessary for data-driven decision making across the organization.

To help make sense of disparate data, providers are investing in next-generation enterprise data warehouses and big data analytics solutions — but some of these investments may still not be delivering the information needed to drive business transformation.

Limitations of existing solutions →
In many cases, you may have the data you need but may be struggling to analyze it in a meaningful way. Approaches to advanced analytics that may be falling short include:

**Deploying a best-of-breed approach**
which can require providers to piece together disparate methodologies licensed from multiple vendors, and can lead to disconnected data and analytic context.

**Outsourcing data analytics**
which can limit a provider’s ability to choose which analytics to run and when, constraining reporting frequency and timeliness of analytic results.

We now offer a more flexible, integrated solution.
A new approach to advanced analytics.

With Flexible Analytics, you can add time-tested methodologies to your data warehouse by licensing the analytics you need, when you need them — helping you accelerate time to value by reducing the time and resources required to analyze data and meet the needs of your operations.

Flexible Analytics is designed to help you expand your analytic capabilities in alignment with organizational priorities and technology initiatives, scaling as needs shift, without changing your underlying IT infrastructure.

How it works →
Your IT environment, our analytics. And you in charge.

With Flexible Analytics, you have control over the frequency and timeliness of analytic queries, helping you meet the needs of your operations.

**Here's how it works.**
Flexible Analytics integrates with your existing Extract, Transform and Load (ETL) software, data model, and business intelligence (BI) tools, allowing you to add an advanced analytics layer without changing your underlying IT infrastructure.

Using your ETL software and a local web service, you can call on Flexible Analytics anytime you want to run specific methodologies on data extracts from your enterprise data warehouse, and transform output files into your data model. Leverage your existing BI tools to provide results to business users and inject actionable insights into their decision-making process.
Specific business priorities. Precise answers.

With Flexible Analytics, you can take advantage of packaged solutions designed to address specific business needs — giving you the flexibility to adjust your solution as needs change.

Flexible Analytics delivers robust analytic methods that can help you to:

- Risk-stratify populations and identify patients' risk of incurring future treatment costs
- Predict future healthcare resource utilization for an individual or a group
- Evaluate a patient's complete course of care
- Assess quality performance based on patient outcomes

Analytic methods include:

- Expected readmissions using socioeconomic status (SES) indicators
- Risk scores and drivers
- Groupers
- Inpatient performance analysis
- Population risk
- Resource utilization
Flexible Analytics for Performance Analysis

Designed to help you:
- Understand performance against key indicators with access to risk-adjusted outcomes of patient care metrics, including length of stay (LOS), complications, readmissions, mortality, and costs/charges by department.
- Evaluate the impact of socioeconomic factors on expected readmissions to more effectively target improvement efforts.

Methods include:

- **Risk-adjusted expected readmissions with SES indicators**
  This proprietary Risk-Adjusted Expected Readmission Model can be used to calculate a patient’s expected and observed readmissions. The model also incorporates the following SES data to calculate these rates:
  - Age
  - Gender
  - ZIP code
  - Education
  - Renting versus owning home

- **Risk-adjusted mortality index**
  This proprietary model can be used to estimate mortality outcomes, and accounts for key patient and clinical factors impacting them.

- **Expected complications rate index**
  This proprietary model can be used to account for complications that can be controlled.

- **Expected resource demand**
  This proprietary model can be used to calculate utilization measures through severity-adjusted, linear regression models. It provides expected values of indicators such as LOS, charges, costs and more.

**Benchmarks**
Norm and top-10 percent benchmarks for each of these methods are included with this package.
Flexible Analytics for Resource Optimization

Designed to help you:

- Identify opportunities to streamline management of costs and resources
- Identify resource optimization opportunities in areas of greater cost, such as pharmacy, lab and others
- Evaluate how healthcare dollars are being spent across mutually exclusive groupings of healthcare services

Methods include:

**Service categories**
Developed to group healthcare services into predefined categories. Assigns services from facility, professional and drug, as well as non-claim payments such as capitation amounts and premium payments, to a standard set of categories.

**Cost of care model**
Developed to identify a patient’s risk and used to predict healthcare resource utilization. Uses the same clinical foundation as the Medical Episode Grouper, and complements it.

**Expected resource demand**
Our proprietary model can be used to calculate utilization measures through severity-adjusted, linear regression models. It provides expected values of indicators such as LOS, charges, costs and more. Norm and top-10 percent benchmarks for this model are included in this package.
Flexible Analytics for Population Risk Management

**Designed to help you:**

- Risk-stratify patients to help identify high-risk, high-cost patients
- Evaluate a patient’s course of care at both the event and complete episode levels, using visualization tools
- Identify patterns and variations in care delivered across patient populations

**Methods include:**

**Medical Episode Grouper**
An episode grouper creates a complete picture of a patient’s condition by grouping together inpatient, outpatient and pharmaceutical claims data into clinically homogeneous and meaningful units (or episodes) of analysis.

**Outpatient event grouper**
New Truven Health methodology focused on understanding outpatient events. Targets high-cost, high-volume outpatient surgeries, procedures and diagnostics.

**Cost of care model**
Developed to identify a patient’s risk and used to predict healthcare resource utilization. Uses the same clinical foundation as the Medical Episode Grouper, and complements it.
You’re focused on maximizing your investments. We’re focused on helping you get there.

Whichever packaged solution(s) you need, our team of technology and analytics specialists can provide the implementation and ongoing support you need to help make the most of your investment.

Is it time to talk? Start a conversation →
Experience, passion and innovation. Because your work demands it.

At IBM Watson Health, we believe today’s determined professionals — whether in informatics, the C-suite or on the frontlines of patient care — must be freed from unnecessary complexities holding them back.

Driven by the same passion and spirit as our clients, we provide you with technology and expertise that you can use to power thriving organizations and solve short- and long-term challenges.

When you work with us, you get the benefit of our more than 40 years of industry-wide healthcare data and analytics experience and a staff with deep clinical and analytic experience, ready to offer assistance and guidance.

Of course, you also get the time-tested methodologies, robust technology offerings and innovations, and cognitive capabilities of the IBM Watson Health teams.

IBM Watson Health aspires to improve lives and give hope by delivering innovation to address the world’s most pressing health challenges through data and cognitive insights.

Ready? Let’s do this together →
With you in control, your organization’s data can deliver on its promise.

You’ve likely invested in an enterprise data warehouse.

But is it delivering the insights necessary for stakeholders across the organization?

And as information needs and data sources expand even more, are you well positioned to utilize that infrastructure to support quick-changing demands and confident decision making?

With Flexible Analytics, the answer can be yes.

Start a conversation.
If you’d like to learn more and view a demo, please contact us today.

Email infotru@us.ibm.com
Visit truvenhealth.com/FAprovider