

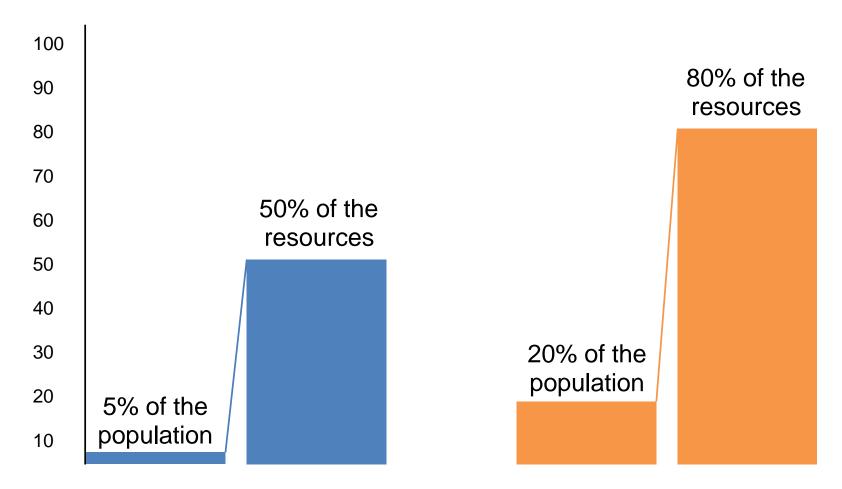
Learning Objectives

By the end of today's session, you will be able to:

- Define the major predictive analytic strategies
- Assess predictive analytic solutions and anticipated returns
- List the key actions needed to drive leadership engagement and support



Why Do We Care about Predictive Analytics?



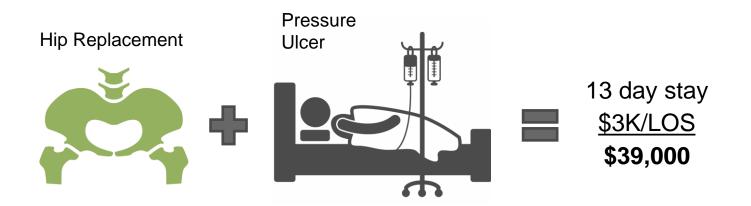


Why Do We Care about Predictive Analytics?

Video placeholder



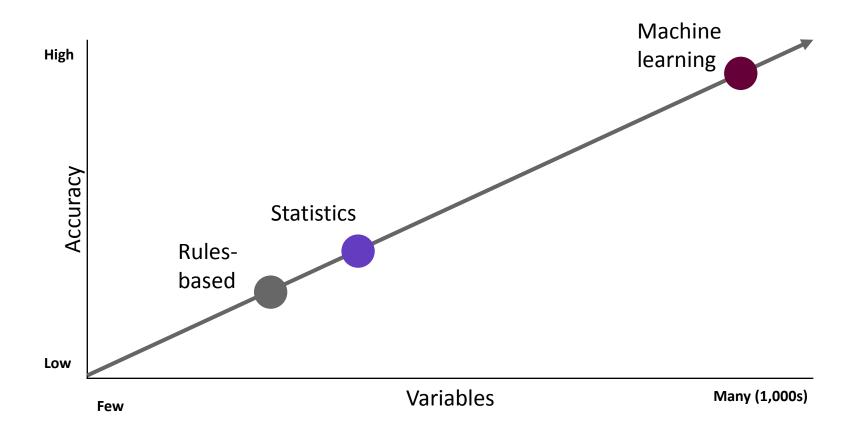
The Hard Dollar Truth





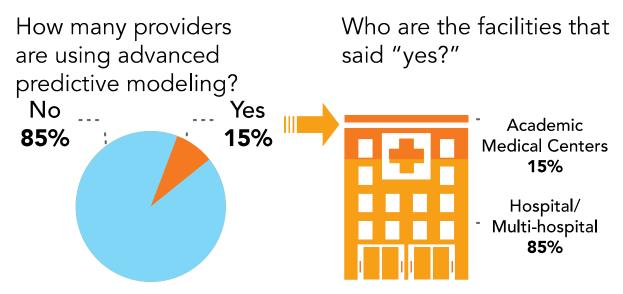


Let's Define Predictive Analytics

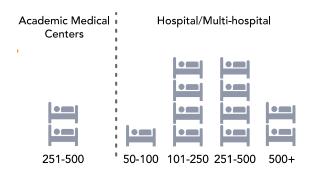




The State of Predictive Analytic Adoption



What do these facilities look like?





The State of Predictive Analytic Adoption

How are providers applying advanced predictive modeling?

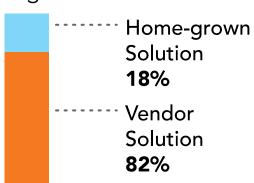
92% are using it to predict patient risk or illness



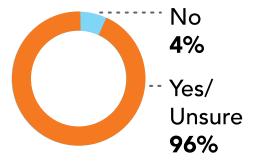
8% are using it to support other organizational goals



What kinds of solutions are these providers using?

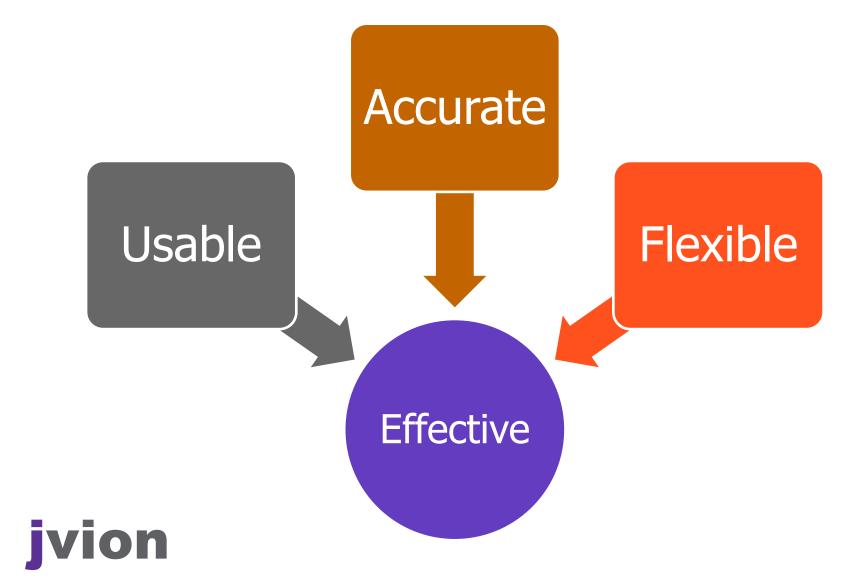


Of those who aren't using advanced predictive modeling, would they consider it?





Making Predictive Analytics Work in The Real World



Building a Predictive Analytics
Business Case

- What are our biggest clinical risks?
- What are our biggest financial risks?
- How can our solution enable the overall organizational strategy?
- What impact will the solution have on IT?
- What business resources are required to enable the solution?
- Is this solution proven in the field?



- What are the high cost, high value areas that we can impact?
- Where are non-invasive interventions most helpful?
- Where will we have the highest levels of adoption?
- What barriers exist to intervention effectiveness?
- What are the requirements for the solution to work in our current environment?

Define ROI



- What is our financial ROI?
- What does our ROI look like near and long term?
- How do we account for barriers to intervention effectiveness?
- How can we leverage our solution to gain market eminence?



The Impact of Intervention Effectiveness

Intervention Effectiveness

40%

Pure Potential (100%)

Influenced by:

- Intervention cost of each disease
- Current capacity and cost of additional capacity to perform prevention (case managers, etc.)
- Revenue loss when prevention occurs (if you have no issues filling beds, this should be balanced with incremental revenue when prevention causes beds to turn quicker)
- Slowness to adapt change

Pure potential represents the accuracy of the solution



On-the-ground Predictions: Readmissions Example

7:00 AM

Morning Care Manager Meeting Review patient risk report

7:30 AM

Case managers deploy to stations to see patients

8:00AM

Case managers meet with nurses and doctors to discuss high-risk patients

Discharge:

Case managers consult with patients and deliver specific plans based on intervention effectiveness



Applying Predictions for Population Health

Provide Individual-level Predictions Deliver Insight into The Best Interventions

Determine the Likelihood of Engagement

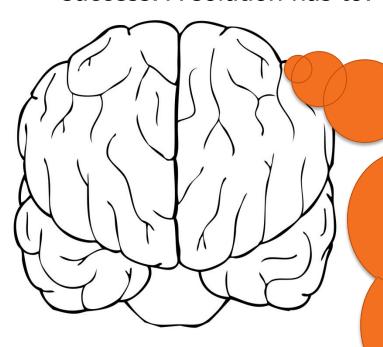
Account for Gaps in Data

Provide Actionable Insights



Getting Your People Engaged

Clinical staff adoption is critical to success. A solution has to:



- Easily fit into the clinical workflow
- Demonstrate immediate accuracy and effectiveness
- Be proven and hold up to scrutiny
- Be easy to use and understand
- Be accepted by peers



Is My Organization Ready?

Strategy	Technology	Leadership	Clinical Staff
 Alignment to value-based and at-risk models Established goals focused on quality and population health outcomes Appointment of a CMIO/CHIO 	 Understanding of predictive analytic applications IT support for adoption 	 Presence of a physician champion C-suite alignment across all functions Established goals that can be enabled through predictive analytics 	 Established network of peer groups that enable adoption of new solutions Understanding of clinical predictive analytic application Understanding of how clinical predictive analytics fit into the workflow



What Are My Next Steps?

Establish organizational goals that are aligned to new value and quality standards



Ensure IT
education on
predictive
analytic
solutions and
potential
impact (EDW,
SAAS, etc.)



Select champions and determine expected ROI from solution across target diseases and conditions



Communicate expected ROI and develop a strategy for integration of predictive analytics into workflow



Using Today's Data to Predict Tomorrow's Risk



