



*Using Today's
Data to Predict
Tomorrow's Risk*

A Deep Dive into Patient-level
Predictive Analytics

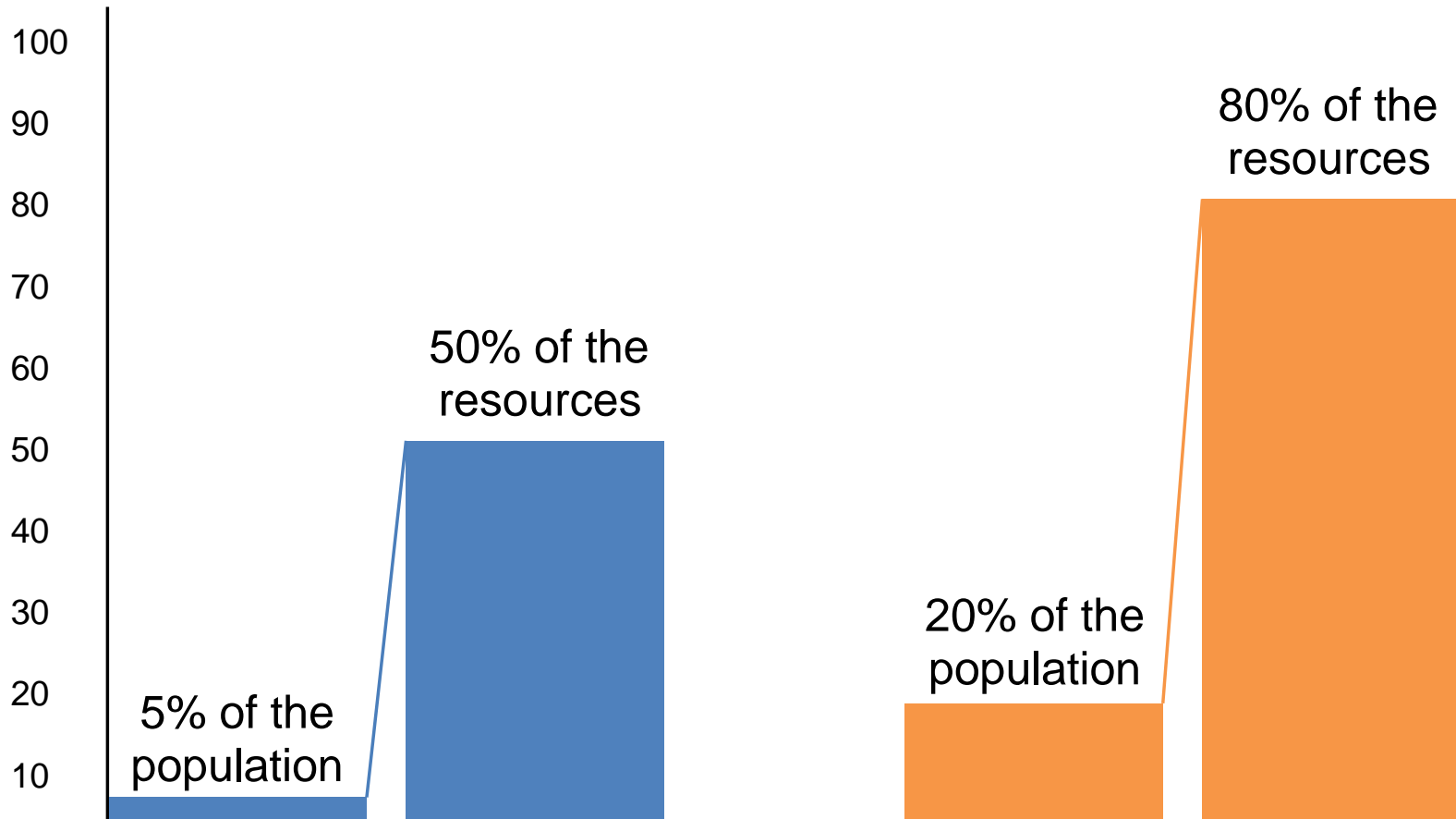
jvion

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

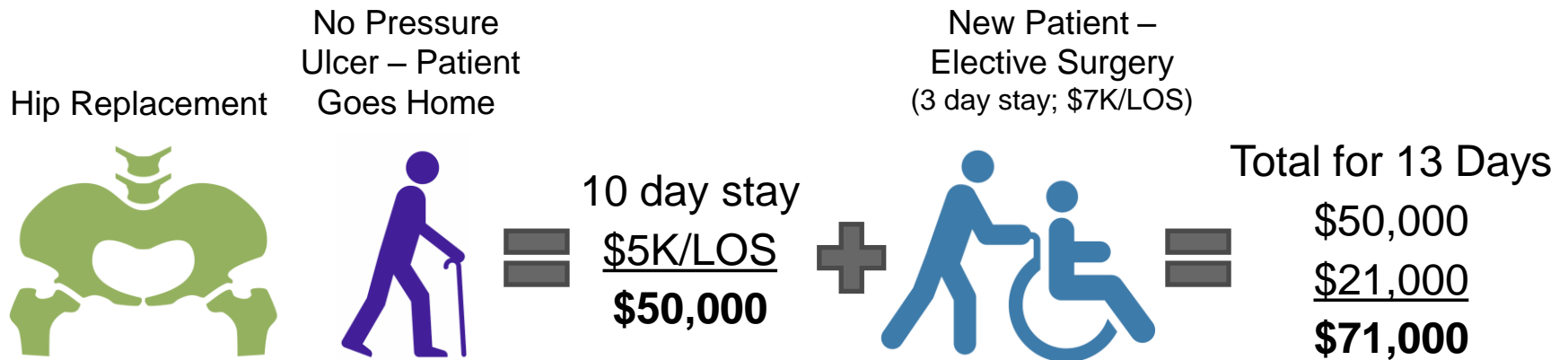
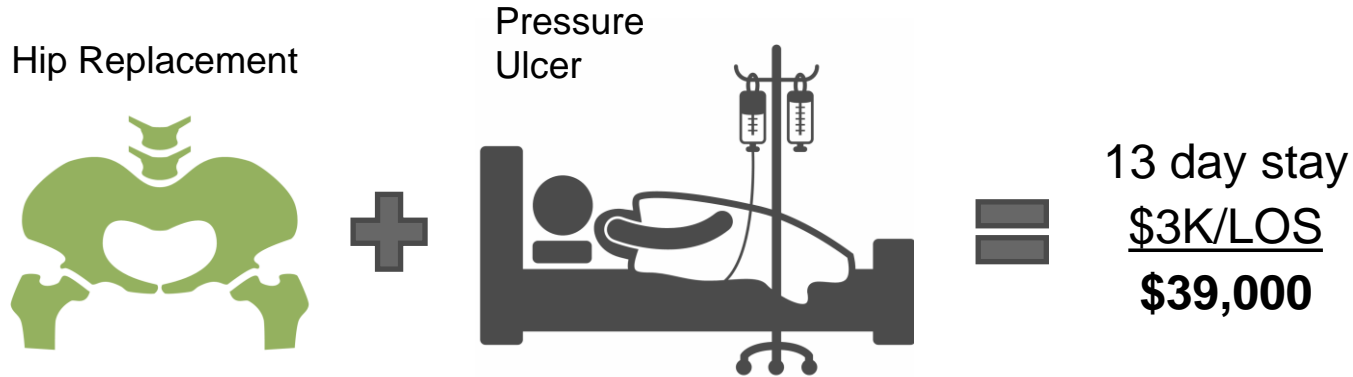
Why Do We Care about Predictive Analytics?



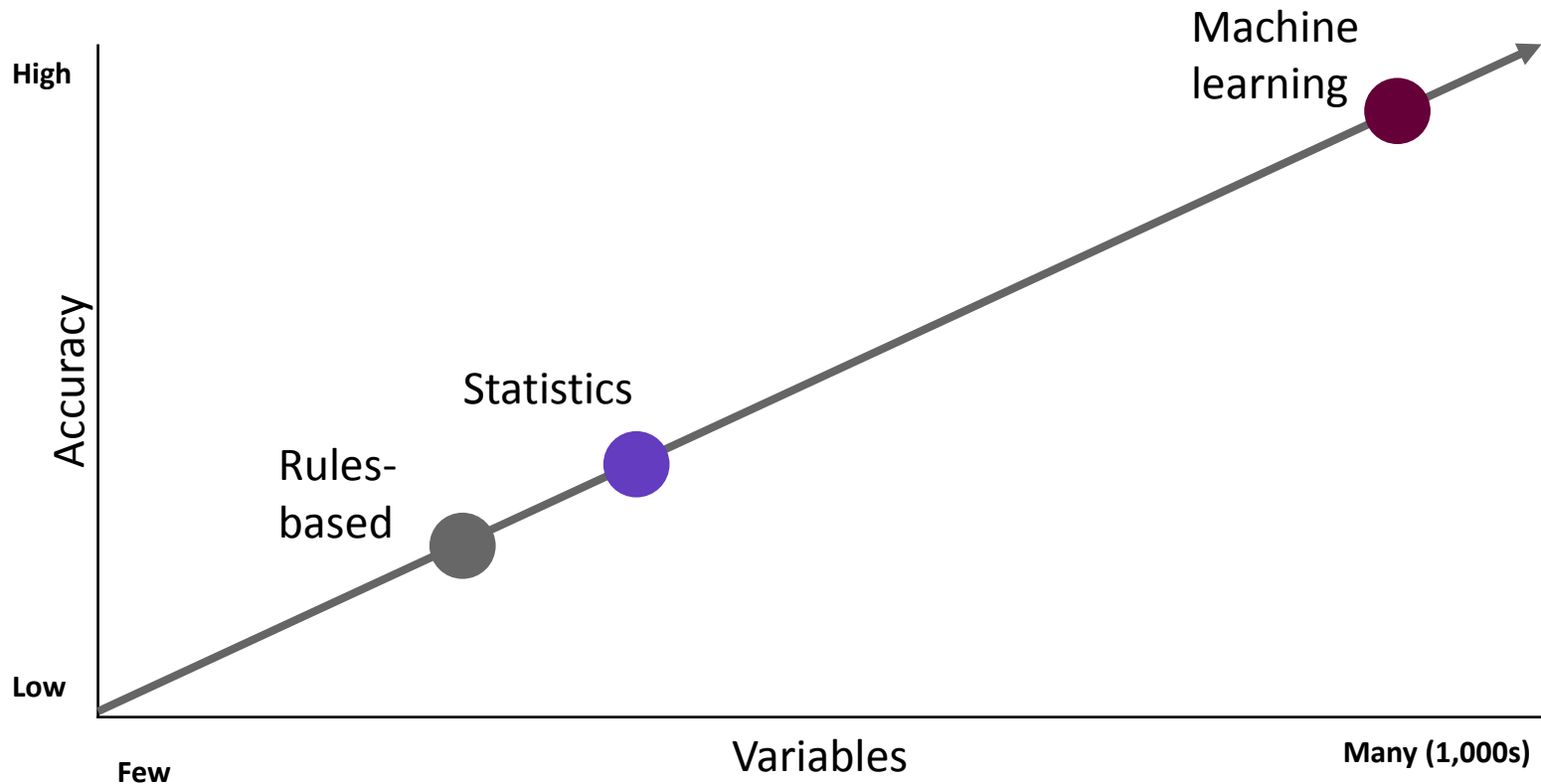
Why Do We Care about Predictive Analytics?

- Video placeholder

The Hard Dollar Truth

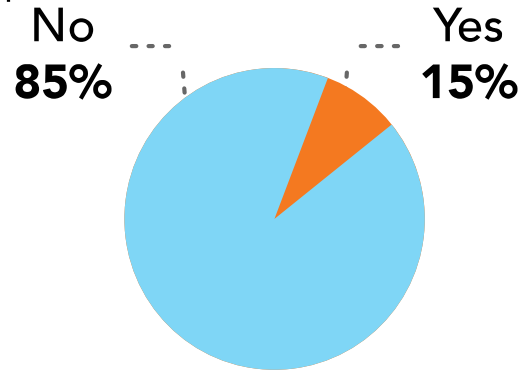


Let's Define Predictive Analytics

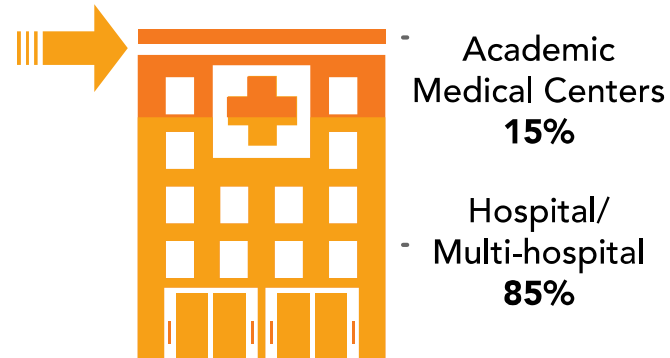


The State of Predictive Analytic Adoption

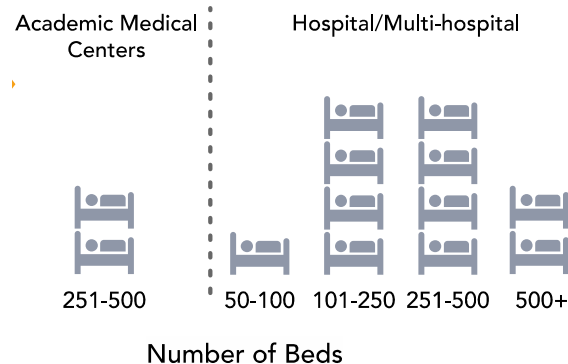
How many providers are using advanced predictive modeling?



Who are the facilities that said "yes?"



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



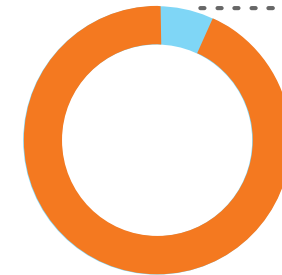
What kinds of solutions are these providers using?



Home-grown Solution
18%

Vendor Solution
82%

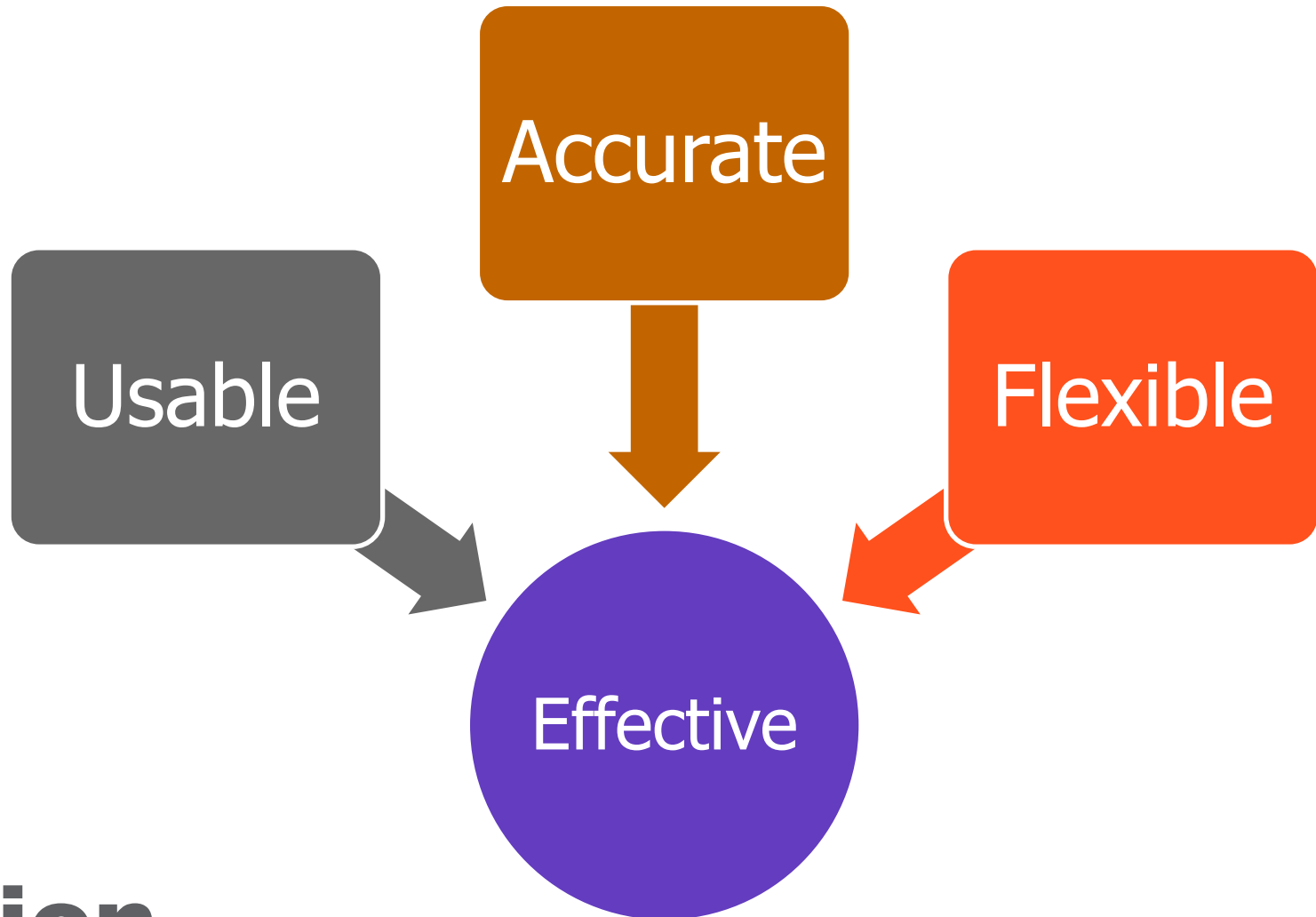
Of those who aren't using advanced predictive modeling, would they consider it?



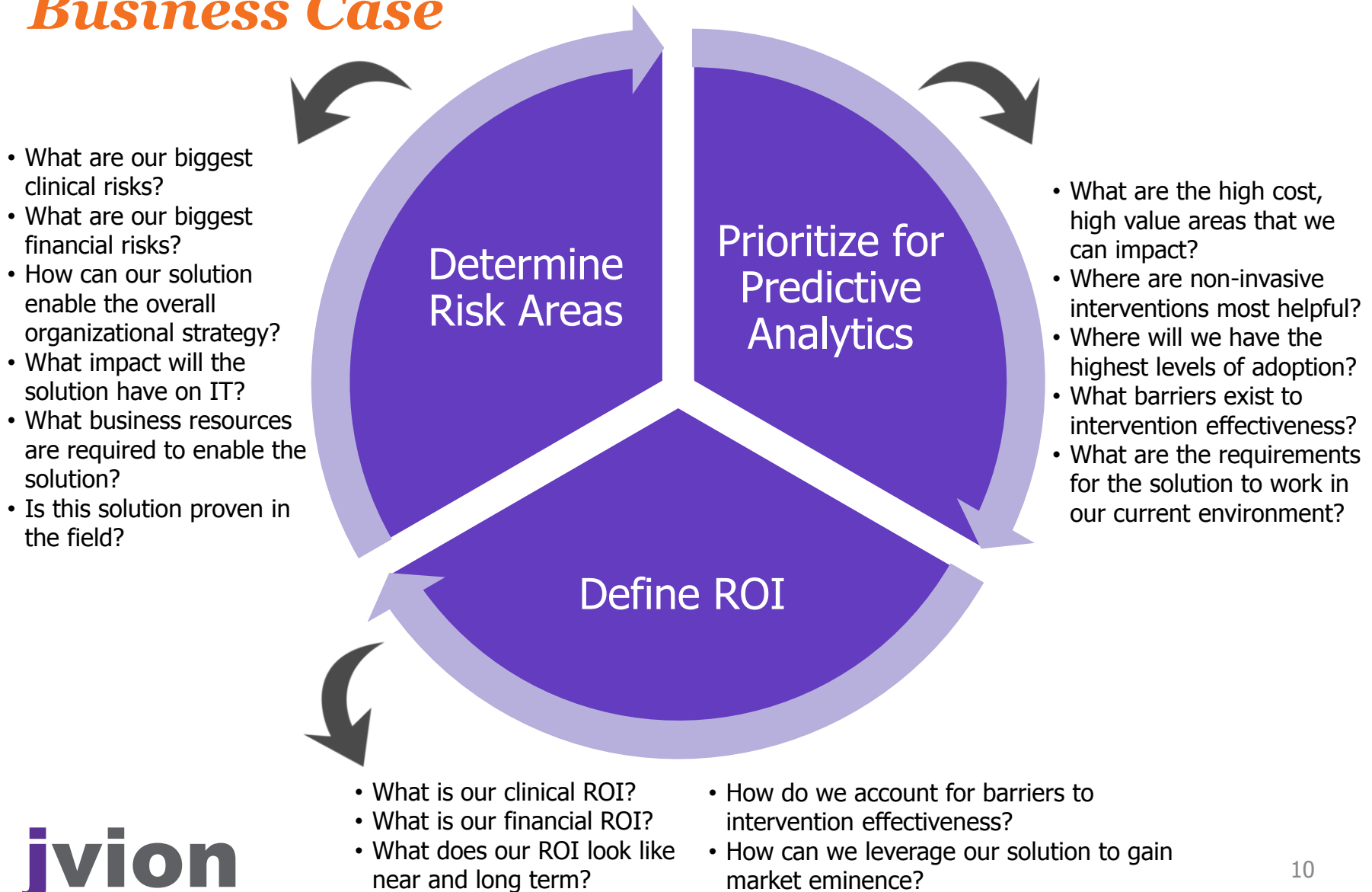
No
4%

Yes/
Unsure
96%

Making Predictive Analytics Work in The Real World



Building a Predictive Analytics Business Case



The Impact of Intervention Effectiveness

Intervention Effectiveness

20%

40%

60%

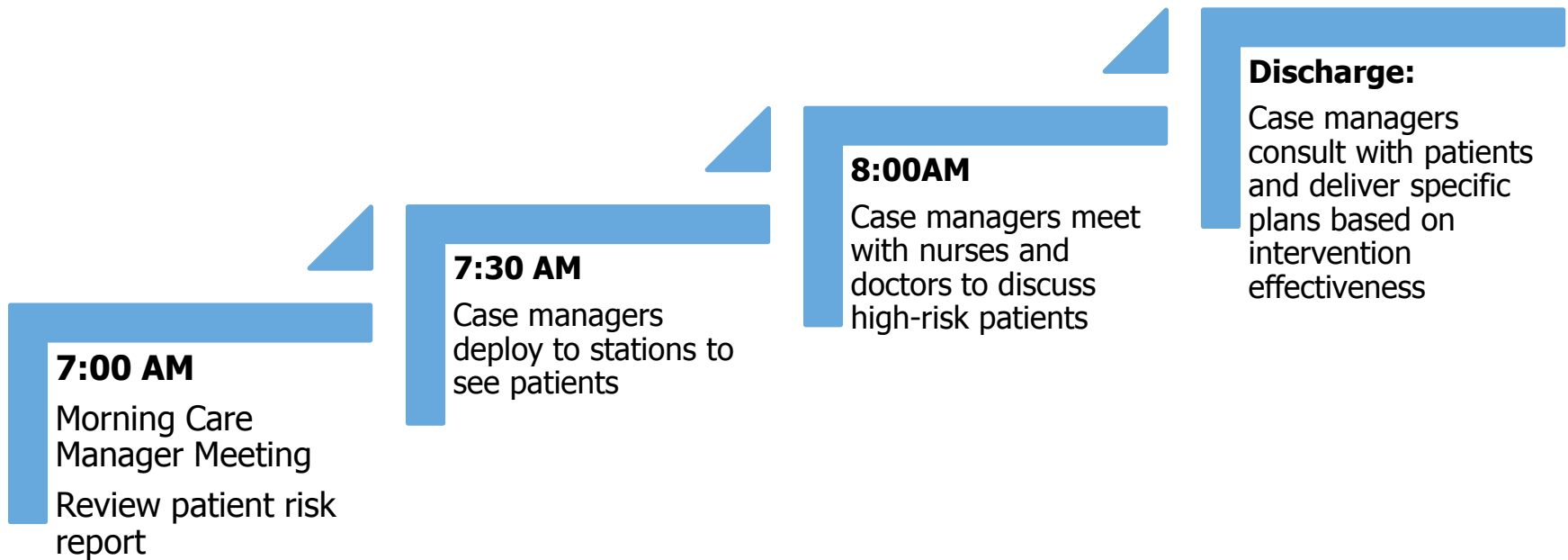
Pure Potential (100%)

Pure potential represents the accuracy of the solution

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

On-the-ground Predictions: Readmissions Example



Applying Predictions for Population Health

Provide Individual-level Predictions

Deliver Insight into The Best Interventions

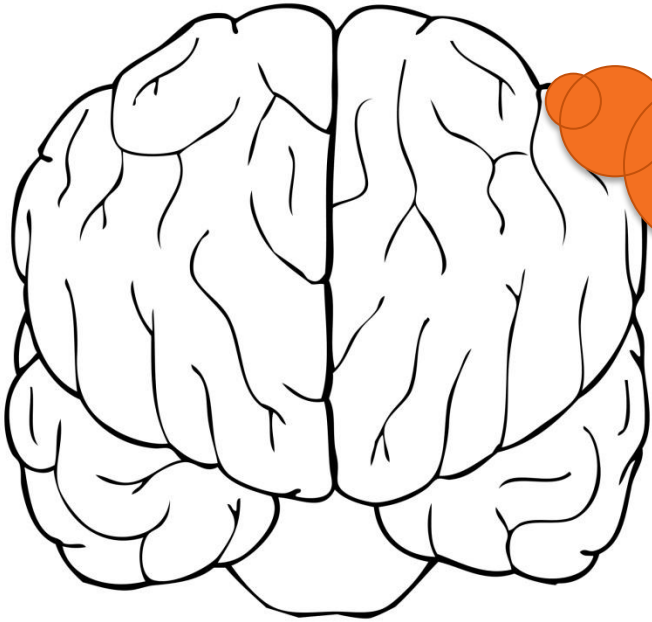
Determine the Likelihood of Engagement

Account for Gaps in Data

Provide Actionable Insights

Getting Your People Engaged

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

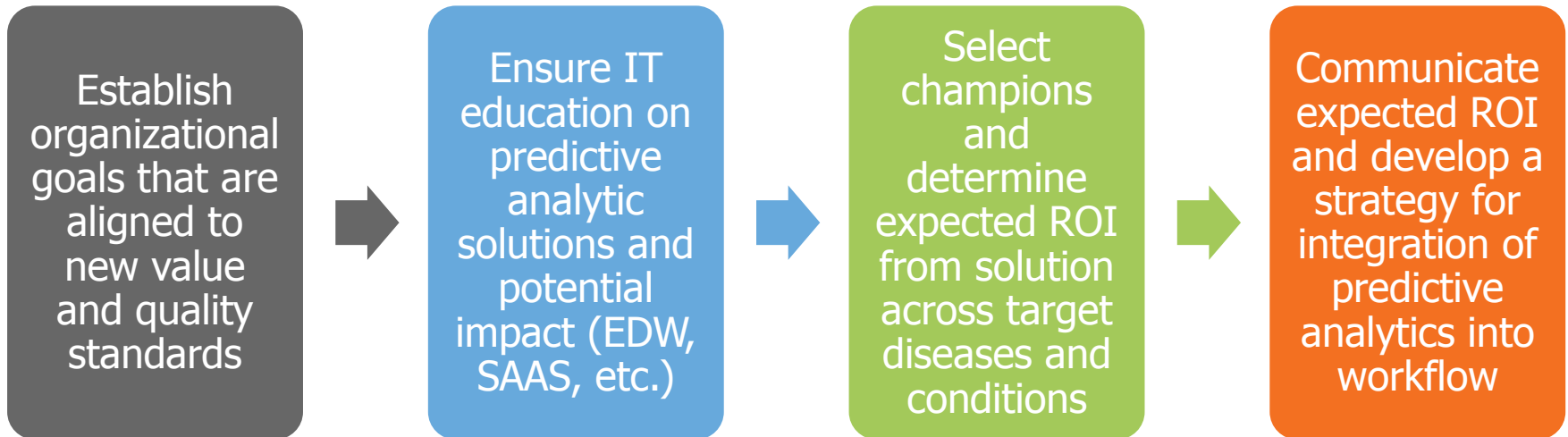


- **Easily fit into the clinical workflow**
- **Demonstrate immediate accuracy and effectiveness**
- **Be proven and hold up to scrutiny**
- **Be easy to use and understand**
- **Be accepted by peers**

Is My Organization Ready?

Strategy	Technology	Leadership	Clinical Staff
<ul style="list-style-type: none">• Alignment to value-based and at-risk models• Established goals focused on quality and population health outcomes• Appointment of a CMIO/CHIO	<ul style="list-style-type: none">• Understanding of predictive analytic applications• IT support for adoption	<ul style="list-style-type: none">• Presence of a physician champion• C-suite alignment across all functions• Established goals that can be enabled through predictive analytics	<ul style="list-style-type: none">• 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?



Using Today's Data to Predict Tomorrow's Risk

Q&A