Defining your Risk Stratification Algorithm

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Learning Objectives

By the end of this webinar, participants will understand how to:

• Define population health management and risk stratification
• Analyze and ask the most pertinent and relevant questions about their patient populations
• Develop a risk stratification algorithm using indicators that effectively identify high-risk patients
What is your role in your organization?
Assembling Your Team

Consider including the following roles/departments on your risk identification team:

- Information Technology
- Quality Improvement
- Clinical Supervisors
- Therapists
- Senior Leadership
- Practice Management
- Billing
- Utilization Review

Who is on your team?
Aligning our Terms!

**Value-based Payments** requires…

**Care Pathways** which requires…

**Risk Stratification** which requires…

**Population Health Management** therefore…

these concepts are not loosely linked but are structurally contingent on one another
Low Hanging Fruit

- What is your algorithm to identify risk
- How do your clinicians understand the problem
- How will you collect this data
- Who will collect this data
- How will you disseminate this data
- What do your clients view as the biggest contributing factors
A metric accurately reflects work if...

- **ACTIONABLE**
  - Staff know what the metric means
  - When metric changes the cause & required actions are clear

- **ACCESSIBLE & CREDIBLE DATA**
  - Data can be collected with modest effort from source that is trusted

- **COMMON INTERPRETATION**
  - Method for generating metric is shared & well understood

- **TRANSPARENT & SIMPLE TO CALCULATE**
  - Good metric
Numerator & Denominator

**Numerator** = The count of instances that the issue under review happened
- 23 people have a risk classification

**Denominator** = the entire population under review
- 100 people were supposed to have a risk classification
Types of Metrics

**Process Measures** explain how the system works
- % of high risk people who were referred to health home/care coordination
- % of high risk people who were seen in the last two weeks

**Outcome Measures** explain the effectiveness of the system
- % of people who improved from ‘high’ risk to ‘low’ risk in 6 months
Audience Poll

What are some of the ways you are identifying risk?
How to Identify Risk

Population data
• Raw Data from EHR/EMR/other data source

Determine Risk Level
• Calculate High or Low Risk based on an algorithm

Calculate Risk
• Population data and risk level

Stratify
• Analyze data and stratify population by risk

Data → Risk level

Risk Calculation → Stratify by Risk

Care Transitions Network for People with Serious Mental Illness
Risk Stratification

The Care Transitions Network’s Risk Stratification Tool is an Excel workbook that enables providers to:

• Stratify risk
• Identify trends
• Track outcomes over time

...At the population level
These indicators are used to identify risk in our algorithm:

- Diagnosis
- Hospitalization History
- Transformed Data Tab
- Medical Comorbidities
- Emergency Department Utilization History
- Social Determinates of Health

Alone, these indicators will help determine risk, but only the combination of these indicators will tell the complete story.
A small portion of our patient population are high utilizers of our hospital systems.

High utilizers are not receiving treatment that is effectively impacting their disease state.

High utilizers have a tremendous cost impact on the system.

Need a methodology to identify these high risk clients and systematically target improved wellness.
Audience Poll

What is one goal that you will complete by the end of this innovation community?
Low Hanging Fruit

- What is your algorithm to identify risk
- How do your clinicians understand the problem
- How will you collect this data
- Who will collect this data
- How will you disseminate this data
- What do your clients view as the biggest contributing factors
Workflow

IT Manager Extracts Data Monthly

IT Manager Distributes Reports to C-Suite, Director, Supervisors, Therapists Monthly

Therapist Analyzes Data with Supervisors

Supervisors Review Data Trends with Director

Director Reports Data Trends with C-Suite Team
Call to Action

Prior to the next meeting, complete these action steps:

• Assemble your team
• Develop a three month project plan
• Identify the populations you are currently serving
• Identify indicators that will be the foundation for your algorithm
Audience Poll

Will you commit to this action plan?
<table>
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<tr>
<th>Event</th>
<th>Date/Time</th>
<th>Audience</th>
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<tr>
<td><strong>Webinar # 1:</strong> Population Health Management: Building a Risk Stratification Algorithm to Support High Risk Populations</td>
<td>Thursday, 7/26, 11:30 am–12:30 pm E.T.</td>
<td>Clinical Directors</td>
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<tr>
<td><strong>Affinity Group #1:</strong> Building a Risk Stratification Algorithm</td>
<td>Thursday, 8/10, 11:30 am–12:30 pm E.T.</td>
<td>Clinical Directors</td>
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<td><strong>Affinity Group #2:</strong> Mapping the Algorithm to your EMR</td>
<td>Thursday, 8/24, 12:00–1:00 pm E.T.</td>
<td>IT and Clinical Directors</td>
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<td><strong>Affinity Group #3:</strong> Building the Infrastructure: Risk Stratification Policies, Procedures, and Workflows</td>
<td>Thursday, 9/7, 12:00–1:00 pm E.T.</td>
<td>Clinical Directors</td>
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<td><strong>Webinar # 2:</strong> Operationalizing Risk Stratification</td>
<td>Thursday, 9/21, 12:00–1:00 pm E.T.</td>
<td>Clinical Directors and Clinical Supervisors</td>
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<td><strong>Affinity Group #4:</strong> Using Data During Supervision</td>
<td>Thursday, 10/12, 12:00–1:00 pm E.T</td>
<td>Clinical Supervisors (Clinical Directors are welcome)</td>
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<td><strong>Showcase Webinar</strong></td>
<td>Tuesday, 10/31, 12:00–1:00 pm E.T.</td>
<td>Clinical Directors and Clinical Supervisors</td>
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Your Practice Coaches

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Thank you!

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