

What is Multivariate Risk Scoring?

- Risk scoring allows providers to categorize individuals based on their clinical complexity.
- Risk scoring is a reliable and validated approach to predict the anticipated utilization of individuals over time, identify individuals for case management, and inform resource allocation.

1. Is there a risk scoring tool that is widely adopted by payers and providers?

Yes:

- Johns Hopkins ACG (Adjusted Clinical Grouper) model is a widely recognized risk model.
 - The ACG methodology scores individuals from 1 to 5. Individuals with a risk score of 1 means they have the least clinical risk and individuals with a 5 have the highest risk.

See table below as a visual reference of how individuals are grouped by health status into populations from healthy to very high risk.

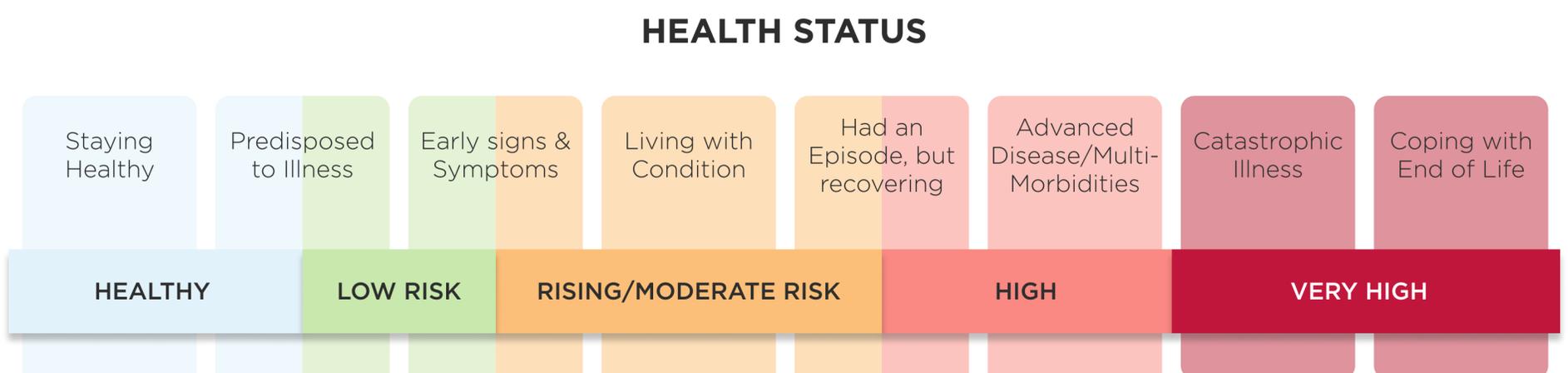


Image Source: <https://inflighthealth.com/healthcare/playing-the-long-game-part-2-a-quick-huddle-on-risk-predictive-modeling-and-stratification/>

2. How to use Risk Scoring?

Risk Scoring is used for:

- **Cost and Utilization:** When analyzing populations for cost or utilization, one would adjust for relative risk compared to other years and populations using mean risk scores and changes over time.
- **Care Management:** When identifying individuals for care management, one would prioritize individuals with higher prospective risk scores who are still impactable (recommend excluding top 5%. Individuals then would be assigned to Tier 1, 2, or 3.

Multivariate Risk Factor Design FAQ

- **Clinical Interventions:** When planning clinical interventions, one would use risk scores to compare which populations are higher risk and plan outreach and interventions based on risk score.

3. Why is Risk Scoring Important?

- Risk scores are a tool to compare and rank both individuals and populations that are suffering from different health conditions.
- It allows staff to make informed decisions as to where to allocate resources and interventions for the greatest impact on their assigned population.

4. What insights do Risk Scores provide for a team member?

Risk scores provide essential context to:

- Individual and Population Costs
- Individual and Population Utilization of services
- Quality data