

Strategic Use of Your Predictive Data in Starfish

Furthering Retention Initiatives

Meet Your EAB Presenter



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Moved from Starfish Admin at SLCC to EAB Strategic Leader in March 2021

M.Ed. In Educational Leadership and Policy

 Thesis Topic: Ethical uses of Analytics in Higher Education

Connect with EAB



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- Need to Use Retention Scores to Further Retention Efforts
- Aligning Your Retention Strategy to the Retention Scores
- 3 Examples of Strategic Uses of Retention Scores
 - Partner Profiles
- 4 Partner Next Steps



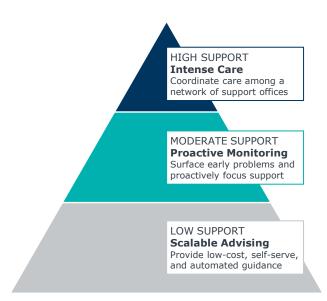
Need to Use Retention Scores to Further Retention Efforts

How this Webinar can help you!

More demand than ever for strategic application and guidance for Retention Scores

- High implementation rate in last 2 Years
- Widely used to support individual students, less commonly used for 1:many support
- "The Great Resignation" less people power on campuses and more need for efficient practice
- Retention strategies are constantly changing (especially post-pandemic) to increase equity, efficiency, and reach. Retention Scores can help!

A More Efficient Way to Organize Staff and Provide Better Support Based on Need Level



Key Benefits to this Approach



More Equitable Support

Student needs are met with customized level of support rather than a "one size fits all" approach



Staff Time Savings

Time is allocated based on student need rather than standard expectations and outreach encourages high need students to access all services throughout semester rather than at peak times only



Cost Savings

Low-cost and scalable support is focused on the entire population, while expert and focused care only on those in need

Reactive Early Alert Triaging

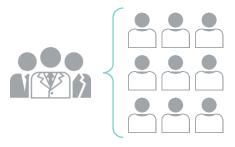
Strategize which flags your advisors respond to first to help alleviate advisor overload



Triage by level of need AND predicted retention

Proactive Outreach and Advising

Strategize which populations to send additional outreach to in addition to standard outreach



Advisors can "market" services to groups who need it most to encourage those students to come in proactively, spreading out the demand for services

Steps for Using Scores for Retention Strategy



Step 1: Start with Retention Data and Theory



Consider Retention Scores and all other Retention Factors at your institution. Retention Scores will provide baseline Retention prediction Step 2: Integrate Your Knowledge



Consider your unique context, culture, the needs of your students, and reasons they may not complete. Combine with Score data.

Step 3: Determine Levels of Care



Create levels of care for Flag Triaging or Outreach Strategies based on Retention Scores and your initiatives Step 4: Configure and Document



Configure Starfish for easy rollout:

- Import attributes for key factors
- Configure levels of care in cohorts

Follow up w/ training!



Aligning Your Retention Strategy to the Retention Scores

Starting with Theory and Data

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Bean's 9 Themes of Retention

- Student Intentions ^
- Institutional Fit and Commitment (Loyalty) ^
- Psychological Processes and Key Attitudes ^
- Academics *
- Social Factors *
- Bureaucratic Factors ^
- External Environment ^
- Student's Background *
- Money and Finance *

- * Directly Included in Retention Modeling
- ^ Indirectly shows up in model factors

Source: Bean, J. P. (2005), Nine themes of college student retention. In A. Seidman, *College student retention* (215-243).

What data do we still need?









Sense of Belonging

Mental Health

Level of Involvement

- Self-reported rating of various factors
 - EG. On a Scale of 1-5, how much do you feel like you belong at X Institution
- · Student Declaration of Intentions
 - EG. Do you plan to be involved on campus?
- Tracking Items to report other factors
 - EG. Mental Health Concern Flags or Referrals, staff or student raised

Remember to leverage the Intake Form!

Population/Retention Factor	Campus Interventions to Support/Break Down Barriers
E.g. students not registered for next term	E.g. Peer Mentor Registration Phone Call campaign
E.g. Students of Color	E.g. Office of multicultural affairs advisor



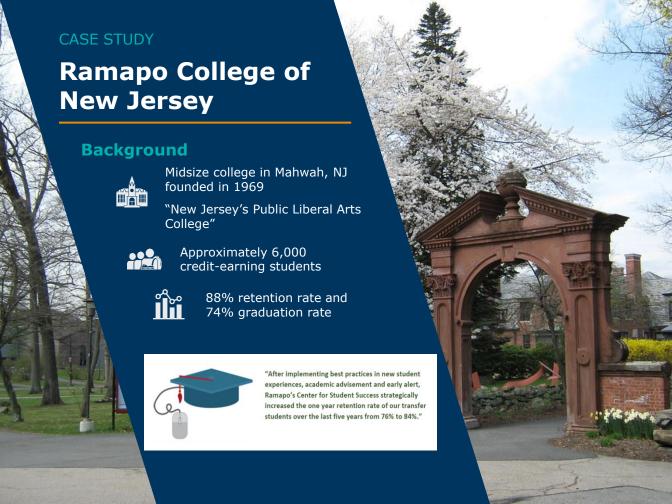
Strategic Uses of Retention Scores: Differentiated Care

How Starfish Campuses Integrated Retention Strategy into Daily Starfish Practice Using Retention Scores



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GOAL

Increase Student Success and Student Engagement

OBJECTIVES

To increase the four-year graduation rate.

To increase the six-year graduation rate.

To increase the first year retention rate.

OUTCOME

Student retention and graduation rates meet or exceed state and national averages

INDICATORS

"The purpose of our work is student success. At Ramapo College, student success is defined across four dimensions: **access**, **engagement**, **completion**, **and employment**."

Intrusive/Proactive Advising

- Since Fall 2016, faculty completed over 60% of progress surveys every semester.
- Since the implementation of Starfish success plans for students on academic warning the number of students continuing on warning has decreased by 11%
- Starfish cohorts are used as a case management tool creating a team approach to student success

Transfer Student Success

- Expanding early alerts used with full-time, first-time students to transfers assisted with our rising one-year retention rate for transfer students, which has increased from 76% to 84% over the last five years
- Today, 70% of transfer students begin to work with our transfer advisor at their County College. Starfish's Prospective Student feature allows us to keep advisement notes on these students that merge with their enrolled student record upon matriculation

Career Pathways

- Career Pathways Program, a mandatory graduation requirement, is managed through Starfish success plans
- Faculty and Career Advisors use Starfish cohorts to communicate with students in their majors and other academic programs about symposia, speakers, career opportunities and other learning opportunities

Predictive Modeling and Retention Scores

- Predictive modeling inputted into Starfish identifies at-risk students for advisors
- Success plans based on predictive model for new students with customized To Do Items

A History of Our Predictive Model & Looking Forward

1. Homegrown model established in 2012

- Predictions developed by Political Science Professor based on past retention rates of first-year students. Goal was to identify characteristics we could use to increase student persistence (e.g., Major, Residence, GPA).
- b. Added the Predictions by Attribute to Starfish in 2014

Expanded data in Starfish for Starfish Retention Scores in 2020-2021

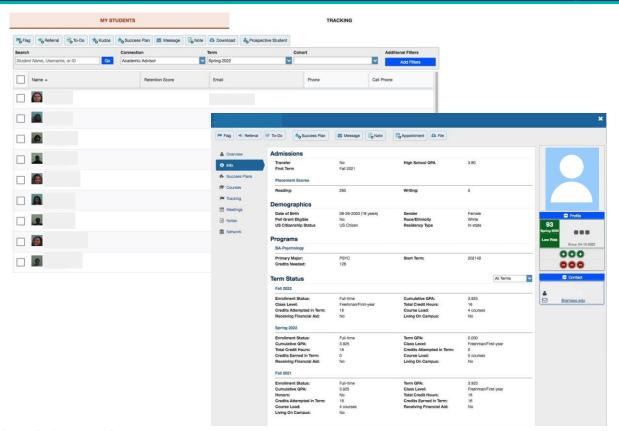
a. Compared Starfish Retention Scores with our Homegrown model in Spring 2021

2. Expanding our Outreach using Starfish Retention Scores with Sophomores

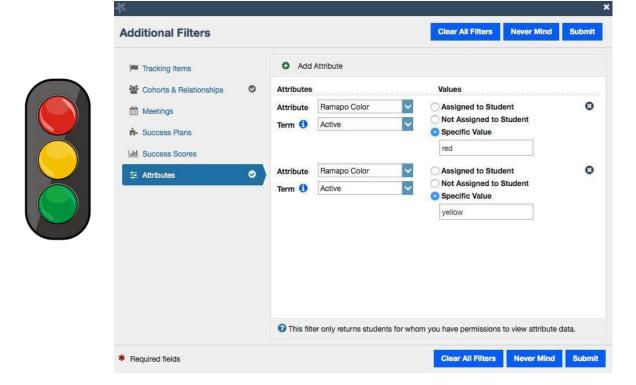
a. Plan to expand use of Retention Scores to reach at risk upperclass students



An Advisor's Toolbox: A Case Management View of Starfish with Retention Scores



1. A Homegrown Approach Implemented in Starfish



Custom Success Plans Based on Student Retention Scores & Academic Status



Students on Academic Warning



We recognize that everyone struggles at times, but we are here to help make usery our get back on track. As you engage in the second semester of your undergreduate career of Ramique, we want to make sure you when a plain in place to a thatin good academic standing. This email is intended to introduce you to your Academic Success Plan, which is designed to help you improve your academic performance. You can manage your plan through the Connect software introduced to you in your First. Here Semmar course by your peer facilitates. To access Connect, go to were introduced to select the red "Connect" button on the right select the less of the Internat First of the Internat First Buckers Plan provides you with a guide to academic achievement this semester through meetings with your assigned Center for Student Success Advisor and referrals to other recovers an accession of the Internat Connect Plan First Academic Success Plan your settings.

As the Academic Warning letter that you received from the Registral indicated, we want you to get on track towards academic excellence this sensenter. Inconverge you to use your Academic Success Plans an infinishing to increase your cleanson was crossed with the export of Ramagor's resources. The first step in this plan is to schedule an initial meeting with your designated academic advisor in Student Success in Fetouary to convice your academic performance than size, plan coursework, and to refer you to other resources. Byou do not know who your advisor is, you can think you will not be closed in Fetous-infinishing, you advisor to reform your fetour you should be follow up merelling in Materia/Your fetous fetous

For more information about Ramapo's Policy on Academic Warning, review the College's Academic Standing Policies (https://www.ramapo.edu/catalog-2021-2022/academic-policies/academic-standing/).

If I can support your success in any way, please email me directly at jconnell@ramapo.edu.

Best wishes.

Joseph Connell

Assistant Vice President of Student Success

Created By: Connell, Joseph on 02-11-2022 Status: In Progress

Plans based on Predictive Scores

Success Plan: Student Success Path: Spring 2022

Dear First-Year Roadrunner:

We hope your second semester at Ramapo College is going well This semester is an important semester for your continued discovery of Ramapo's extensive opportunities and resources and to work with your academic advisor to use U.Achieve, our Degree Planning Software, to plan your personalized path to graduation. We are here to help you find your way.

It is my responsibility and that of my colleagues across campus to advance for you an environment that is simultaneously challenging and navigable. Your Success Path in Connect is a resource to do just that - to assist you in navigating your undergraduate experience.

Further, your faculty, academic advisors, peers, and others have a shared responsibility in fostering your academic success. It is no secret, though, that all of the efforts put forth by me and my colleagues will amount to very little if you are not equally invested in your coursework and enagoaed in campus life.

Over the past decade, I have become increasingly impressed by the diligence, care, and zeal that Ramapo students bring to their studies and I encourage you to approach your time with us as one brimful with opportunities for growth and reflection.

I look forward to learning about your successes and invite you to share them with me at success@ramapo.edu.

Sincerely,

Christopher Romano

Vice President of Enrollment Management and Student Affairs



Green: Note that half of the green population will attend a U.Achieve planning session and the other half will complete the Canvas course using the setup <u>listed here</u> for Canvas Course plans.

- 1. Attend a U.Achieve planning session with your academic advisor:
 - a. Description: Meet with your advisor of a UAchieve Planning Session to help you identify what courses to take next semester. This session may be individual or a group. Your advisor will review your UAchieve Plan with you and remove your Advisement Hold. For a review of UAchieve, visit https://www.armapo.edu/mydvisor/files/2019/09/How-to-create-a-UAchieve-plan

.pdf or https://www.ramapo.edu/myadvisor/how-to-videos.

Yellow: All students complete a meeting with their academic advisor and Explore Campus Resources

- Meet with your Academic Advisor
 - a. Description: Schedule an appointment with your academic advisor on Connect. You will review your UAchleve plan with your advisor and discuss strategies for academic success. Your Advisement Hold will be removed after you attend the appointment. Complete an academic advisor requested reflection activity.
- Explore Campus Resources:

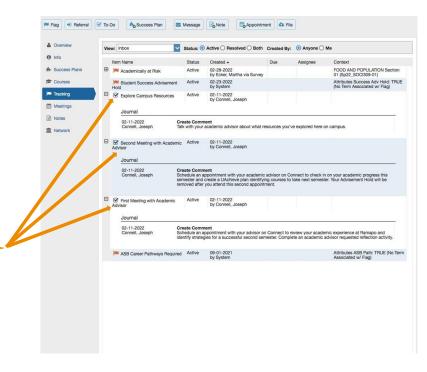
 a. Description: Talk with your academic advisor about what resources you've explored here on campus.

Red: Two meetings with advisor.

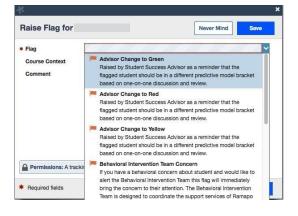
- 1. First Meeting with Academic Advisor
- a. Description: Schedule an appointment with your advisor on Connect to review your academic experience at Ramapo and identify strategies for a successful second semester. Complete an academic advisor requested reflection activity.

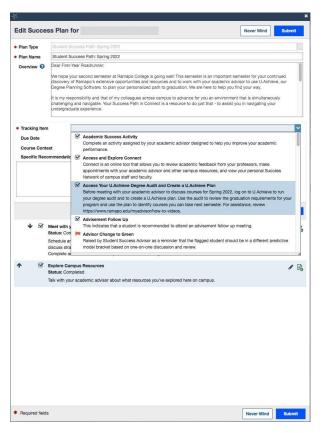
 Second Meeting with Academic Advisor.
- a. Description: Schedule an appointment with your academic advisor on Connect to check in on your academic progress this semester and create a UAchieve pan identifying courses to take next semester. Your Advisement Hold will be removed.
- after you attend this second appointment.

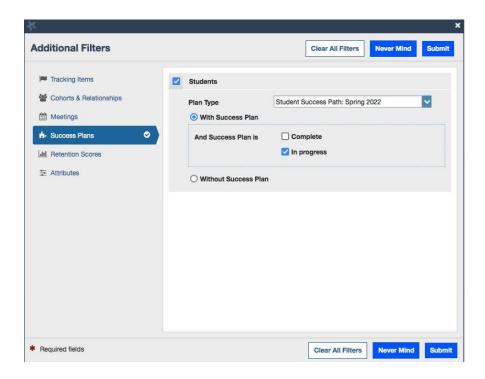
 3. Explore Campus Resources:
- a. Description: Talk with your academic advisor about what resources you've explored here on campus.



Advisor Customization







Objectives:

Improve 2nd to 3rd year persistence rate for sophomores

Context:

- Sophomores: 806 students registered in the Spring 2022 Semester
 - At risk 21
 - Moderate Risk 68

Measures:

- Persistence rates as measured by the College Factbook
 - 2nd to 3rd year persistence is currently 77%
- Open rates of messages sent to sophomores
- Are there behaviors of sophomore students that we can measure?

Targets:

- Benchmark sophomore student behaviors
- Increase sophomore persistence rate to 78% for third year

Expanding our Work with Sophomore Students: Sample Message

Example monthly message using the 6 design principles from EAB, choice architecture theory and the <u>Simpler Framework</u>

Re: Welcome to the Spring Semester:

Dear Sophomore Roadrunner,

We are so excited to be welcoming you for your second semester on campus (and 4th with us) at Ramapo College! I hope you join us for our Winter Welcome activities. Make sure you join the Student Involvement Fair on Thursday, 1/20, at 1 pm in the Student Center.

As two of our student leaders said, "Ramapo College has a million opportunities to grow, learn, and find the place where you truly belong. You simply have to take hold of that opportunity by showing up and getting involved." -Janea and Mattison, Peer Facilitators and Members of the Class of 2023

A full schedule of Winter Welcome events is available online at www.ramapo.edu/welcome/winter.

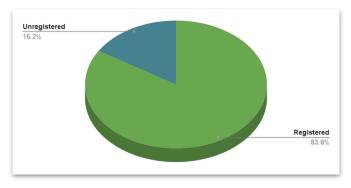
Assessing our Pilot Outreach with Sophomores

Holds Removed in the Fall 2021 Semester through Faculty Advisement

• 96% of sophomore students met with their faculty advisor and had their hold removed by November 30, 2021, which was a 1% increase of holds removed over the historical average.

Persistence Rate

- 74% of our sophomores are currently registered for the Fall semester, which compares to 73% at this same time in recent years. This puts us on track to achieve our persistence rate goal.
- 57 of the 68 Moderately At Risk Students Registered for Fall 2022 (see pie graph):



Northeast Wisconsin Technical College



John Grant

Dean of Student Development



Matt Petersen, Ph.D

Manager of Student Retention

Northeast Wisconsin Technical College

Stockout Point

CASE STUDY

Northeast Wisconsin Technical College

Background



Career and technical college with main campus in Green Bay, WI; part of Wisconsin Technical College System (WTCS)



5,100 FTE students, 60% parttime, 20% students of color



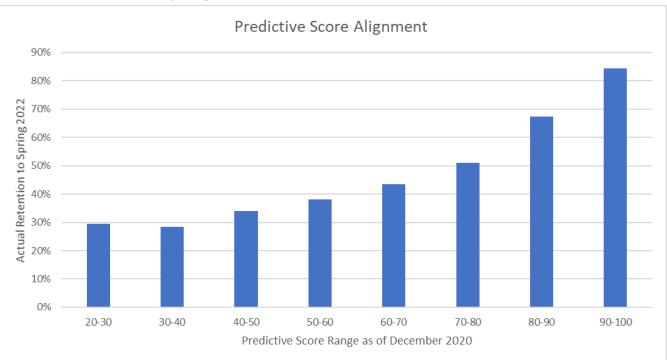
65% term-term retention rate and 45% graduation rate

Challenge

In the midst of increasing student need and decreasing resources, how can we best identify the students that need us most and use our student support resources as impactfully as possible.

Just How Predictive are Predictive Retention Scores?

December 2020-Spring 2022



We've Got Scores... Now What?

NWTC's Predictive Priorities

- Informing and Improving Case Management
- Targeting Real-Time Student
 Communication and Intervention
- Evaluation of Retention Efforts

How Are We Using Predictive Scores?

Coaching around Predictive Score Factors

 Ask extra questions based on positive and negative score factors

- Examples:
 - Score Factor= Time since last class
 - Questions assessing finances, time, and college supports available
 - Score Factor= Lowest grade in last term
 - Questions assessing study approaches, time commitments, and learning styles

How Are We Using Predictive Scores?

Targeted texting campaign

- Week 2-3 of session: High Risk Score
- Week 4-5: Moderate Risk Score
- "How is your semester going?"
 - A- Great!
 - B- I could use some help (follow-up and referrals made)
- >30% response rate
- Response predicts retention

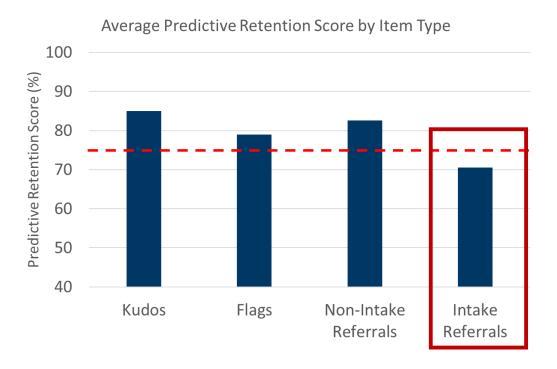
How Are We Using Predictive Scores?

Filtering Student Lists for Intervention

- Predictive Scores
- PLUS....
 - Active flags?
 - Credits load?
 - GPA?

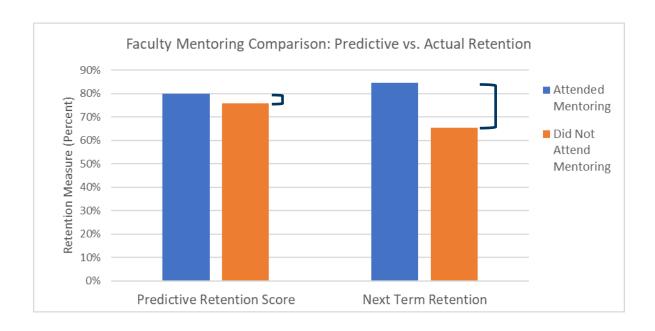
Are We Reaching the Right Students?

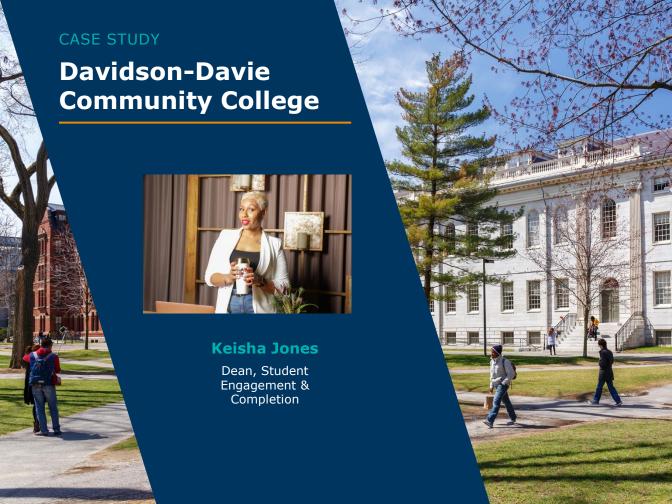
Example: NWTC's New Student Welcome (Intake) Survey



Are Success Initiatives Moving the Needle?

Example: NWTC's Faculty Mentoring Initiative









Why implement Predictive Scores?

- Title III Grant was the catalyst
- Implement Data-Driven Completion Coaching
 - Development of Success Plans based on Scores
 - Allow timely identification of at-risk students, facilitating proactive, customized guidance and intervention promoting success, persistence, and completion



Implementation & Buy-In

- Analytics Task Force
- Initial Roll-Out
 - Completion Coach Role
 - Other Support Services Staff
- Faculty
 - Training
 - Creation of Steering Committee & Advisory Board

What...?



Next Steps

- Faculty Roll-Out
- Intervention Inventory
- Revision of Success Plans
- Strategic Analytics



Partner Next Steps

Starting your Retention Score Transformation

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- Begin conversations with larger group and leadership early
- Use this Webinar or have your Strategic Leader Present to leadership to help set the vision for leadership



Follow 4 Steps of Moving to Retention Score Strategy:

- Start with theory and data
- Layer in your knowledge
- Create Levels of Care
- Configure, Document, Train



Plan to Assess Your Interventions

- Determine metrics that will be impacted by your work, goals, and methods for measuring
- Our <u>Quantifying Impact</u> Toolkit and your SL can help!

Other Resources



<u>Preparing Advisors for Proactive</u> <u>Caseload Management (Webinar)</u>



How to Proactively Manage Your Student Caseload (Toolkit)



The Need for Equity in Support Outreach (Webinar)



A Student-Centered Approach to Advising (Study)



Next-Generation Advising (Study)



61 Advising Campaign Ideas (Infographic)



65 Community College Advising Campaign Ideas (Infographic)



What Can Health Care Teach Us about Student Success? (Whitepaper)

Steps for Using Scores for Retention Strategy

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Consider Retention Scores and all other Retention Factors at your institution. Retention Scores will provide baseline Retention prediction Step 2: Integrate Your Knowledge



Consider your unique context, culture, the needs of your students, and reasons they may not complete. Combine with Score data.

Ask your Strategic Leader to lead our new workshop to tackle these steps!

Step 3: Determine Levels of Care



Create levels of care for Flag Triaging or Outreach Strategies based on Retention Scores and your initiatives Step 4: Configure and Document



Configure Starfish for easy rollout:

- Import attributes for key factors
- Configure levels of care in cohorts

Follow up w/ training!



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Q+A



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