

Harnessing Data to Enhance Student Success in Healthcare Education

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California Association of Private Postsecondary Schools

Annual Conference – October 2025

Learning Outcomes

- Identify and categorize at-risk students using a holistic risk assessment model, enabling targeted interventions to improve confidence and engagement.
- Implement personalized support strategies and leverage digital tools and remediation technologies to enhance student learning, clinical readiness, and overall program outcomes.
- Utilize data analytics and predictive modeling to support continuous program improvement, institutional excellence, and the effective preparation of future healthcare professionals.

Introduction

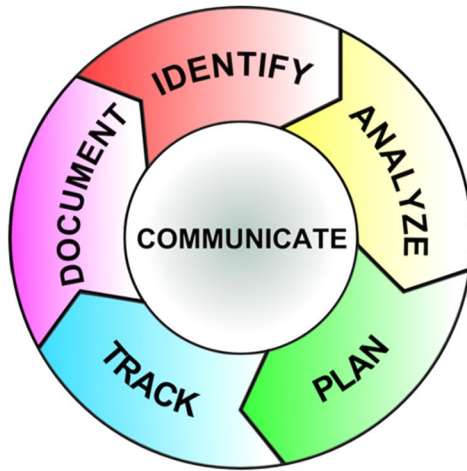
- Brief overview of Success Education Colleges (SEC)
- Purpose
- Collaboration with Elsevier

Rethinking Licensure Pass Rates

- Licensure pass rates as a lagging measure
- Importance of early intervention and proactive support

IDENTIFY AND CATEGORIZE AT-RISK STUDENTS USING A HOLISTIC RISK ASSESSMENT MODEL

Risk Assessment



Five Stages of a Risk Assessment Process

Holistic Risk Assessment

Use multiple indicators including academic, financial, and social factors to assess student risk comprehensively.

Early Identification Importance

Identify at-risk students early to provide timely support and prevent academic failure.

Color-Coded Risk Categorization

Assign risk levels using color codes to easily visualize and prioritize student needs.

Tailored Support Strategies

Customize interventions based on risk assessment to improve retention and academic success.

IMPLEMENT PERSONALIZED SUPPORT STRATEGIES TO IMPROVE STUDENT CONFIDENCE AND ENGAGEMENT

Personalized Student Support

Design interventions based on student personas to address unique learning needs and improve success.

Building Student Confidence

Use targeted strategies like individualized planning and instructor engagement to boost student confidence.

Engagement Through Digital Tools

Incorporate interactive videos and discussion formats to engage both analytical and visual learners effectively.

Supporting Online Learners

Address challenges of online learners with proactive, inclusive strategies to reduce failure rates.



LEVERAGE TECHNOLOGY AND REMEDIATION TOOLS TO ENHANCE END-OF-PROGRAM OUTCOMES



Limitations of Traditional Remediation

Time spent in traditional remediation does not always lead to academic success, highlighting the need for targeted strategies.

Personalized Learning Pathways

HESI PLP offers customized remediation tailored to individual student deficits improving learning efficiency and outcomes.

Engaging Video Content

Osmosis provides interactive video content to support diverse learning styles and deepen concept understanding.

Sherpath AI

Enhances end-of-program outcomes by personalizing learning, providing real-time feedback, supporting targeted remediation, and predicting student success to ensure clinical readiness and confidence.

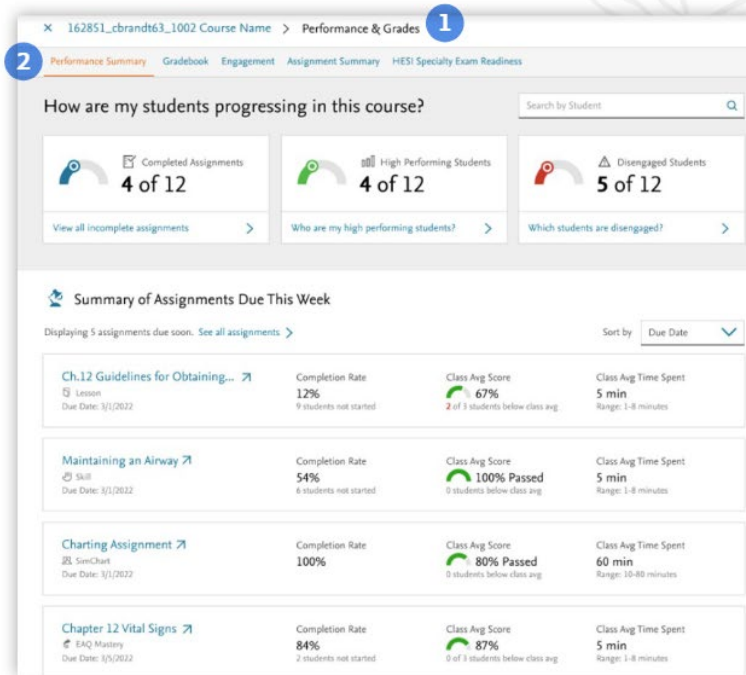
Data-Driven Holistic Evaluation

Using data insights to evaluate students holistically allows educators to tailor remediation and improve program effectiveness

Instructor Performance Dashboard

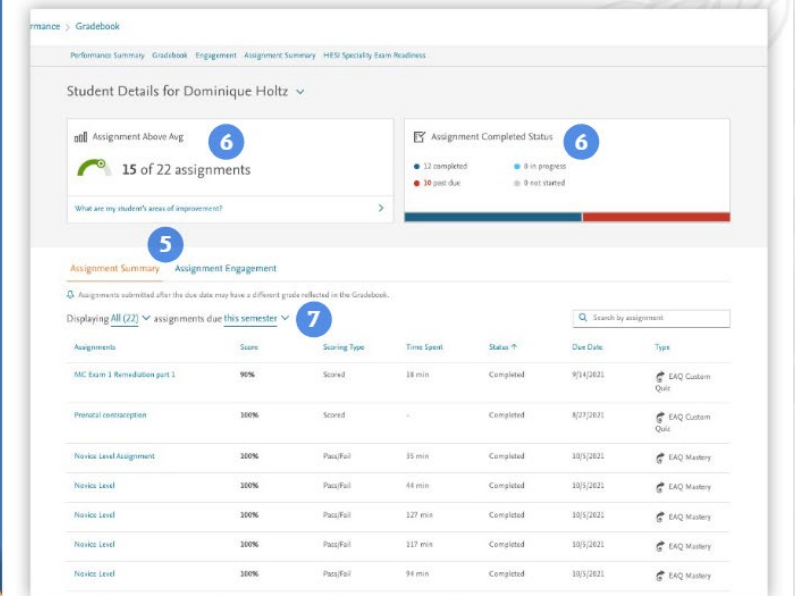
On the dashboard home page, you have several options for filtering and viewing performance data.

- 1 View student performance and grades in various categories — Performance Summary, Gradebook, Engagement, Assignment Summary, and HESI Specialty Exam Readiness
- 2 View results for how your students are progressing in your course through the Performance Summary



Student Details

- 5 On the Student Details page, you will see the student's assignment summary and engagement
- 6 At the top of the page, you can view the Assignment Completed Status and the number of assignments the student completed above the class average
- 7 You are able to display all assignments or specific ones and when they are due



HESI PERSONALIZED LEARNING PLAN (REMEDIATION)



- Powerful resources make up students' personalized learning plan to help address weaker performing areas
- Organized by learning modality
- Offers guided, suggested learning path

+ *Multiple modalities:*

- eBooks
- Case Studies
- Quizzing
- Osmosis Videos

× Study Assignment

RN PSYCH AND MENTAL EXAM

Personalized Learning Plan

Due 20 May 2024 (in 15 days)

19%

You took the exam, and now its time to make sure you're on top of your game for next time. We've analyzed your results and have put together a learning plan personalized to your specific needs.

Review: Readings & Videos

2/10 completed

Apply: Case Studies

1/3 completed

Assess: Quiz Questions

0% correct

Review: Readings & Videos

2/10 completed

✓ Neurocognitive Disorders • 2/2 completed



Anxiety & Mood Disorders • 0/2 completed



Mental Health Nursing Skills • 0/1 completed



Developmental Disorders • 0/1 completed



Behavioral Disorders • 0/2 completed



Substance Abuse • 0/1 completed



Apply: Case Studies

1/3 completed

Case Studies • 1/3 completed



Assess: Quiz Questions

0% correct

0/30 Questions Answered

0/25 Questions Correct

Take Quiz →



Simplify complex topics and make learning engaging and efficient with Osmosis, a dynamic educational tool designed to empower teaching and enhance learning. Immersive, bite-sized videos and learning assessment tools support students' comprehension and retention of even the most difficult-to-understand concepts, delivering a more approachable and effective education experience that caters to diverse learning styles and paces.

KEY FEATURES:



White-Board Videos

Make difficult nursing concepts easier to break down for enhanced understanding and retention



Customizable Playlists

Support learning by building and providing custom playlists that include the most relevant videos for your specific course



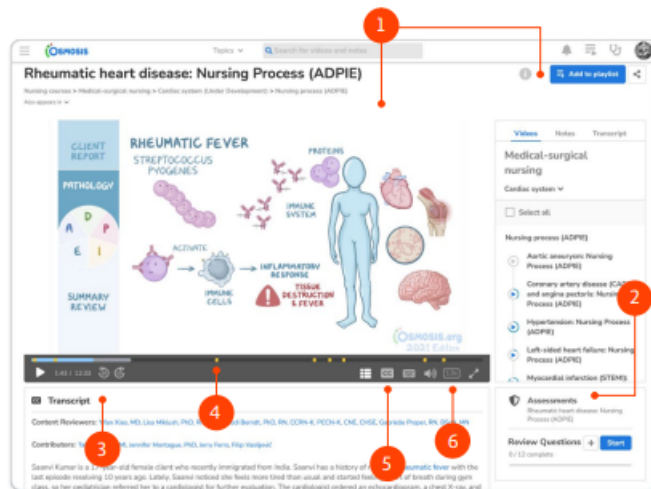
Learning Assessment Tools

Promote retention and application of key nursing concepts through self-study quizzing available in every video lesson



Student Performance Analytics

Gain insights on how active and engaged students are in their video lessons to support study efforts or identify in-class activity opportunities



- 1 Students can learn visually and create custom playlists
- 2 NCLEX®-style assessments reinforce learning objectives
- 3 Quickly scan video transcripts to sync with learning objectives
- 4 Video chapters allow for bite-sized learning
- 5 Content is accessible to all via closed captioning
- 6 Students can watch videos at the speed that works best for them

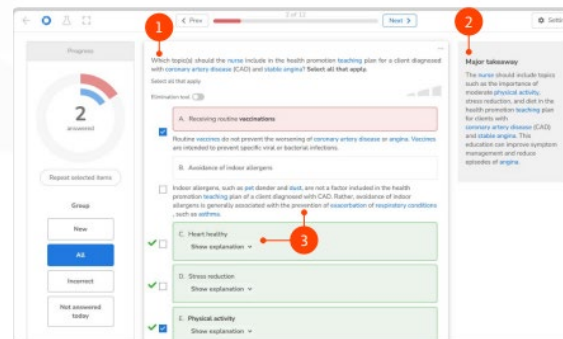
ON-DEMAND VIDEOS

Bite-sized, illustrated videos are organized to support your courses.

- Fundamentals of Nursing
- Pharmacology
- Clinical Nursing Care
- Leadership and Research
- Mental Health
- Essential Sciences
- Nursing Specializations



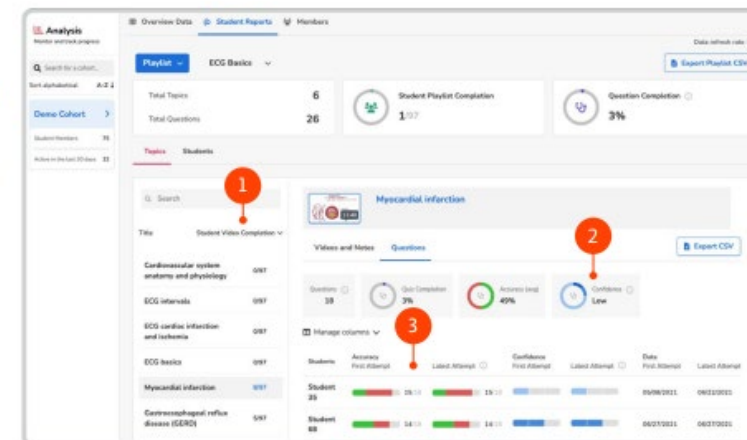
SELF-STUDY AND ASSESSMENT PREPARATION



- 1 Choose items from the NCLEX-style question bank
- 2 Help students comprehend, not just memorize
- 3 Detailed explanations for each possible answer

REPORTING AND ANALYTICS DASHBOARD

- 1 See which students are actively learning
- 2 Spot knowledge gaps early
- 3 Track individual student performance



ELSEVIER

SHERPATH

Trusted Content

Powered by Elsevier's collection of vast, evidence-based content.

Verifiable Sources

Source citations, allowing users to verify the accuracy and reliability of answers.

Diverse Content

Allows for personalized responses in the moment of the student's learning.

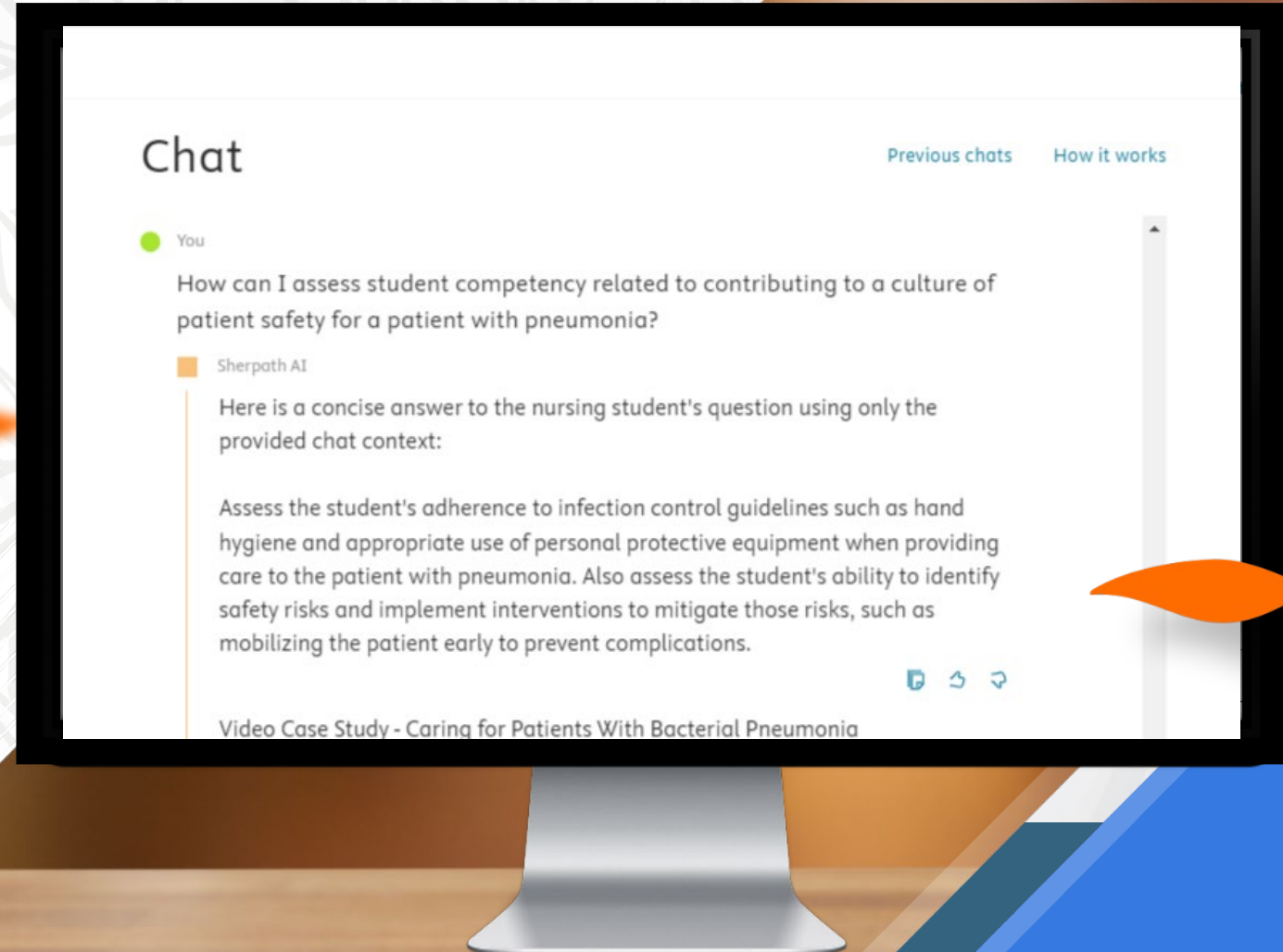
Interactive Chat Dialogue

Empowering instructors with class preparation and teaching strategies.

Personalized Answers

Support for course preparation and teaching strategies.

The first and most advanced generative AI chat designed specifically for nursing students and educators



Sherpath AI-Spanish Translation

X

Sherpath AI

Chat

Previous chats

How it works

Instructor insights

You

Cuales son los senales del infarto?

Sherpath AI

Los principales señales de un infarto de miocardio incluyen:

- Dolor intenso y prolongado en el pecho, descrito como una sensación de opresión o aplastamiento.
- El dolor puede irradiarse al cuello, mandíbula, espalda, hombro o brazo izquierdo.
- Náuseas y vómitos.
- Falta de aire.
- Sudoración fría.
- Algunas personas, especialmente adultos mayores o con diabetes, pueden tener un infarto silencioso sin dolor.


Es importante buscar atención médica de emergencia de inmediato si se presentan estos síntomas, ya que un infarto requiere tratamiento urgente para restablecer el flujo sanguíneo al corazón y prevenir daños mayores.

como enf

+

New Chat

Your Materials



Likely HESI Exit Score

904

<750

750-849

850+

Compared to National Score

Likely NCLEX Pass Rate

+57 points

97%

What is the Likely HESI Exit Score? How is it calculated?

Likely Student Performance Levels

0

5

20

32

<750

750-849

850-899

≥900

Needs Further Preparation

Below Acceptable

Acceptable

Recommended


How do I interpret performance levels?

Client Needs: Weakest Categories

Categories with 3+ items	Mean Category Score
Safety & Infection Control	765
Basic Care/Comfort	857
Safe/Effective Environment	858

See all Categories >

Which exams impact this table?



Results for Next Generation NCLEX (NGN) Items

Students completed 16 NGN items in their exams. [Learn More](#)

NGN Percent Correct

Tested On

Unfolding Cases

Standalone Items

77%

4 exams

0 cases

16 items

Likely HESI Exit Score

919

Recommended

<750

750-849

850-899


≥900

What is the Likely HESI Exit Score? How is it calculated?

of Exams Above 850

3 of 4 exams

Why does this number matter?



Likelihood of Passing NCLEX


Coming soon! This metric will be available after your first exit exam.

CJMM: Weakest Categories

Categories with 3+ items	Mean Category Score
Prioritize Hypotheses	682
Generate Solutions	704
Evaluate Outcomes	736

See all Categories >

Which exams impact this table?



Results for Next Generation NCLEX (NGN) Items

You completed 12 NGN items in their exams. [Learn More](#)

NGN Percent Correct

Tested On

Unfolding Cases

Standalone Items

73%

3 exams

0 cases

12 items

[Exam Results](#) [Category Performance](#) [Monthly Trend](#) [NGN Item Type Details](#)

Exam Performance History

Below is a summary of all the HESI Exams you have taken in your program. Missing an exam? Our data updates overnight, check back tomorrow!

Your HESI Score

Cohort Mean HESI Score

National Score

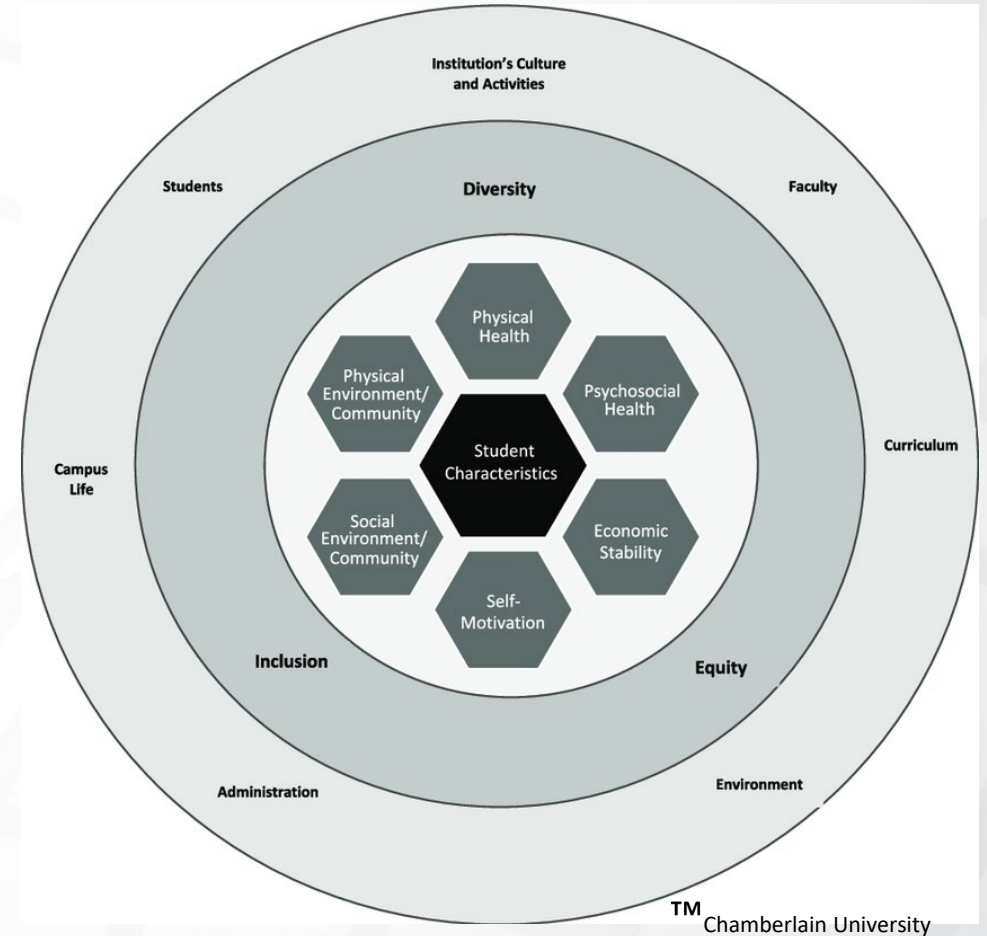
Exam Name	Exam Taken	Your HESI Exam Score	Performance Level	Compared to National	NGN Percent Correct
RN Fundamentals NGN	7/15/2025	838 <div><div></div><div></div><div></div></div>	Below Acceptable	+1	61%
RN Health Assessment NGN	7/9/2025	924 <div><div></div><div></div><div></div></div>	Recommended	+102	54%
RN Fundamentals NGN	7/1/2025	1011 <div><div></div><div></div><div></div></div>	Recommended	+174	94%
RN Dosage Calculation	6/7/2025	1197 <div><div></div><div></div><div></div></div>	Recommended	+274	Not Applicable

Holistic Student Support

Admission

Upon admission data to be analyzed:

- Previous college – degree, completion or some college
- GPA
- Multilingual status – L1
- Reading comprehension assessment score and completion time
- Financial Status (SDOL impacts)



Post admission students within program:

Initial categorization score	0 - 5
On time persistence	Y – 0 N – 1
Formative Assessment Performance (non- graded score this as participation (0) Graded A – 0, B -1, C – 3, D – 4, F – 5)	(non- graded score this as participation (0) Graded A – 0, B -1, C – 3, D – 4, F – 5)
Summative Assessment Performance	(Graded A – 0, B -1, C – 3, D – 4, F – 5)
Engagement in Class	Y – 0 N – 1
Clinical Performance – professionalism/safety	Y – 0 N – 1
Professional behavior – On time, cheating issues	Y – 0 N – 1
Resource utilization – Attend tutoring, faculty /NER led, seeks support	Y – 0 N – 1

Closing and Q&A