Implementation of Remote Testing in Pre-licensure Nursing Education

Bon Secours
Memorial College of Nursing

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History of Remote Testing at
Bon Secours Memorial College of Nursing

NCLEX Courses utilized remote testing with ExamMonitor. Numerous videos to review post test due to various student behaviors or environmental noises that caused a "flag". Not able to offer test review.

Implemented remote testing utilizing ExamSoft in March 2020- Unsecure testing.

Return to on campus testing with 4 sections of testing per course.

Remote testing in Sophomore, Junior 1 and Junior 2 semesters

March 2020

Fall 2020

Fall 2021

AY 2023–2024

May 2020

Spring 2021

Spring 2023

Administered final exams using ExamSoft/ExamMonitor Secure testing features (remote proctored)

Continued remote testing but returned to campus for in person test review.

Remote testing Pilot with 1st semester students.

- Added a layer of Human Review with ExamSoft to reduce the number of videos viewed by faculty

Background: Driving Forces for Remote Testing

01

Decrease the number of times a test is given = **decrease hours** faculty spend in testing

02

Limited physical space on campus for accommodation students and make-up testing

03

Hypothesized to **reduce the number of incidents of information sharing** b/t with sections that test 2nd, 3rd, or 4th.

Preparing for Implementation

- Determine universal test day and time (Mondays at 9:30am).
- Create, publish, and educate on established testing guidelines and expectations.
- Create an attestation within the LMS for students to complete acknowledging understanding of remote testing guidelines/expectations.
- Templates developed and shared with faculty for use in the event of testing variances.
- Invested in layer of human review to compliment the AI review with ExamSoft to reduce the number of "flagged" videos.
- Partnered with IT to offer virtual live support beginning 15 minutes prior to start of test and continuing until all students have entered the test.

Pilot Data: What Will Success Look Like?

1. Test Day Support and Occurrences
   - # of students starting the test late
   - # of videos requiring faculty review
   - # of testing variance notifications sent and reasons
   - # of make-up tests given
   - Library utilization for testing
2. Testing Outcome/Grade Distribution Analysis
3. Stakeholder Feedback
   - Sophomore Faculty
   - Student Services and Library
   - IT
   - Sophomore Students

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Need Test Help?

Live Test Help

Apply Online →

Are you trying to take a remote test right now but having technical issues?

Join a live zoom meeting with IT for help here: **Zoom Link***

*We'll be online and available 15 minutes before the start of your exam.

LIVE Test Support for Students

IT Support Overview

Students needing IT Support

- Greatest need is on Test #1 with 12/143 (7%) students requiring additional IT support to access test.
- Test #2 and beyond- on average 3 students typically require additional IT support to access test.

Most common support needed

- Computer Update Required
  - Unable to access microphone/camera
- Entering password incorrectly to access test

NUR 2102							
	# Students Who Entered Zoom Room	Reason(s) for Entering Zoom Room	# of Late Starts	# of Videos Requiring Faculty Review	Test Average	# of Makeup Tests Given	# Students Onsite for Test
Test 1	12	camera, microphone, password	0	4	84.5	3	9
Test 2	6	microphone, camera, download, spinnng,		9	85		
Test 3	3	camera, microphone			85		7(10)
Test 4	2	microphone	0		83	1	
Final Exam							

Make-up Testing and Testing Variances

Remote testing has decreased the number of students "calling out" for a test.

- Students can take from any location (ex: traveling for a wedding)
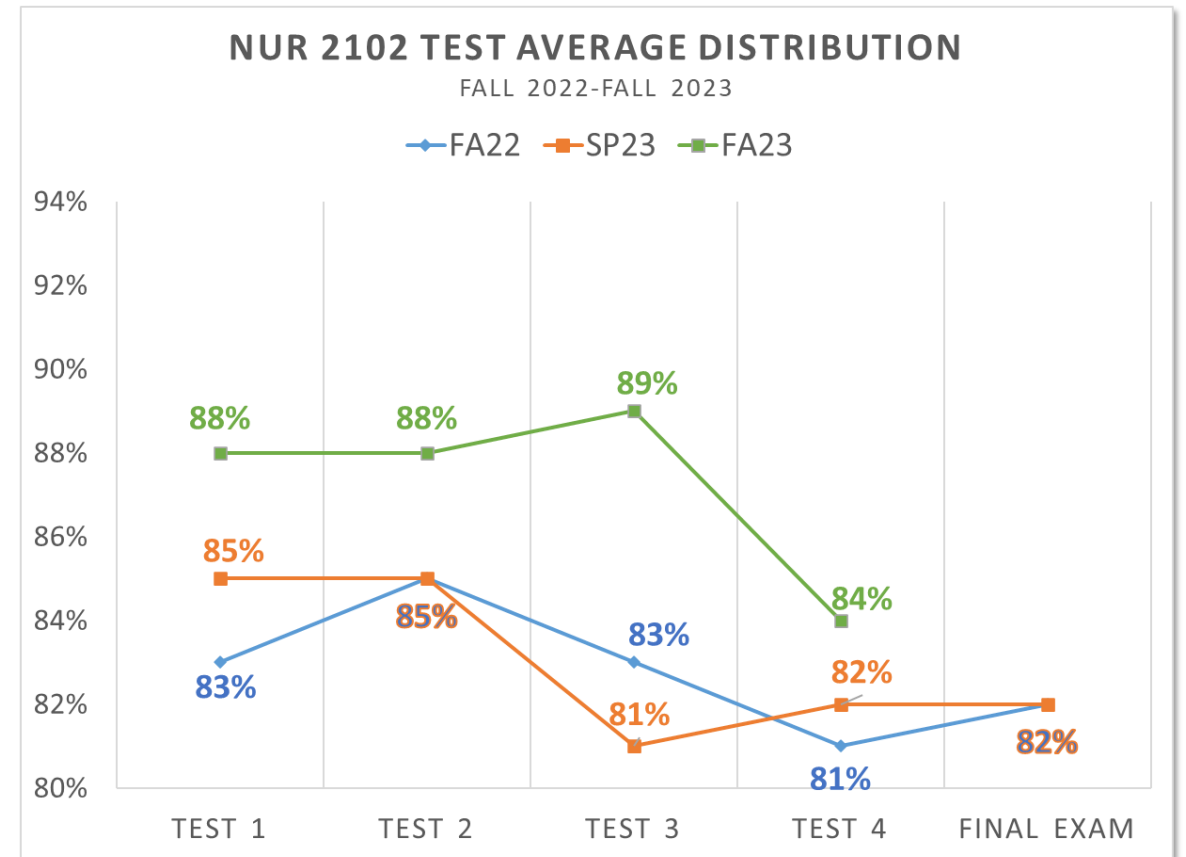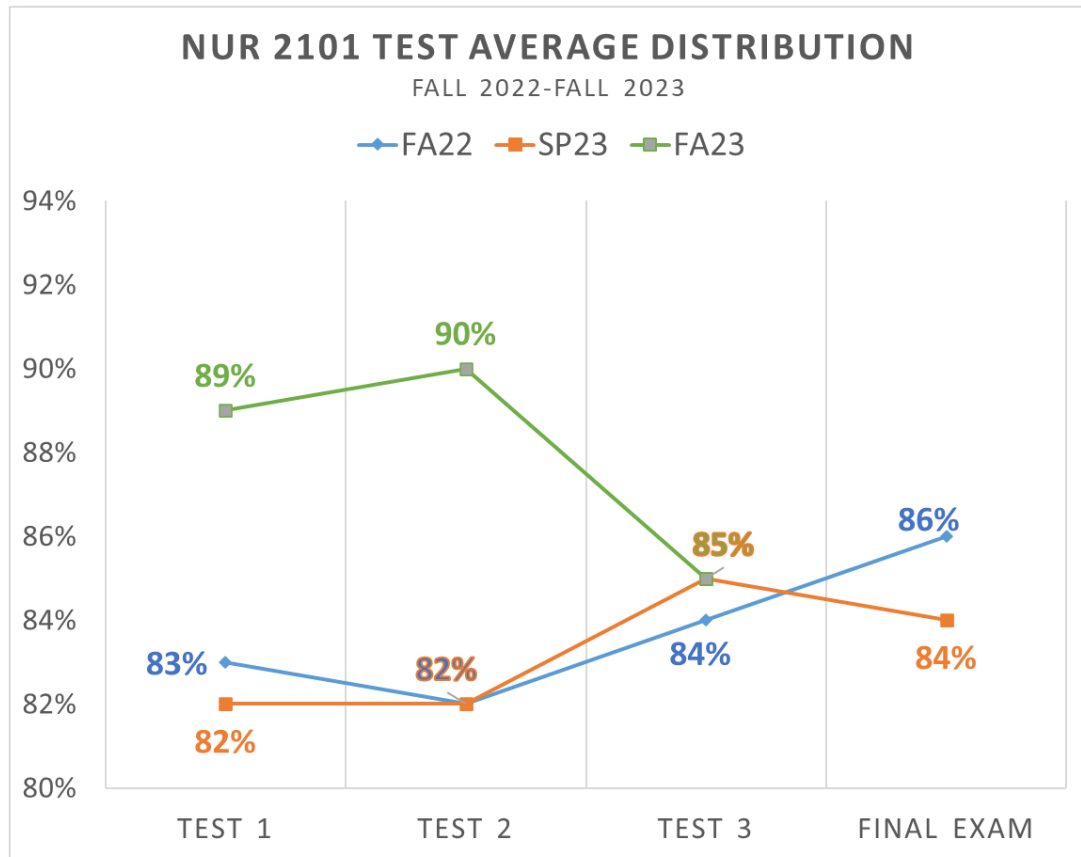- Comfort of own environment

Testing Variances

- Testing Variance – 3 Level warning process with increasing penalties
- Common Variances resolved with Level 1 Warning (no penalty)
  - Talking
  - Gazing off screen
  - Face not fully visible
- Academic Integrity Concerns
  - 2 students over 3 semesters (of approximately 250 students remote testing)
    - Unauthorized use of device during testing (cell phone)

Student Feedback

What went well?

- Ability to control the environment

- Increased comfort

- Less Distraction

- Decreased Activity

- Convenient

What are your concerns?

- Fear of being accused of cheating

- Prefer "learning environment" vs "home environment"

- Would like to be able to talk out loud

- Would like water

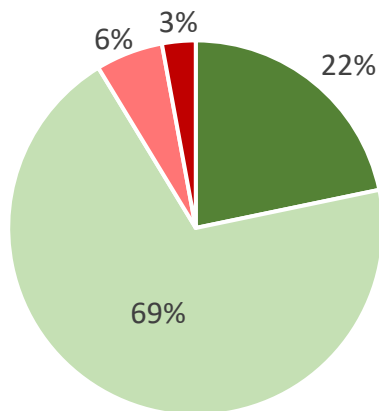- Concern about technical issues and losing time on test
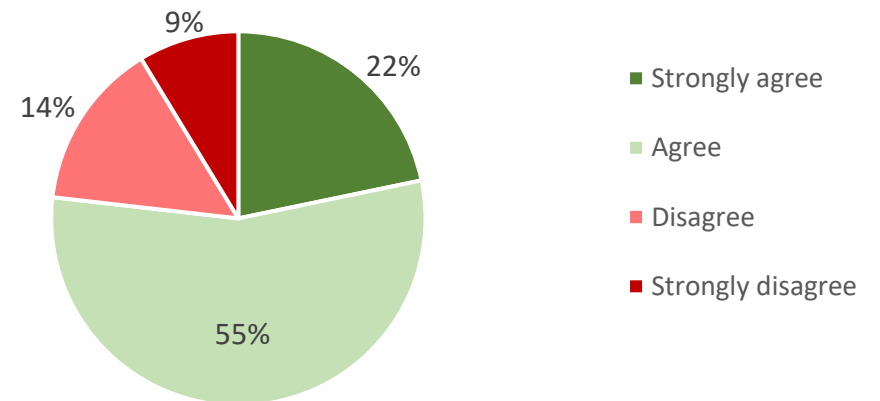
Remote testing expectations and directions are clear.

3% 3% 23%

71%
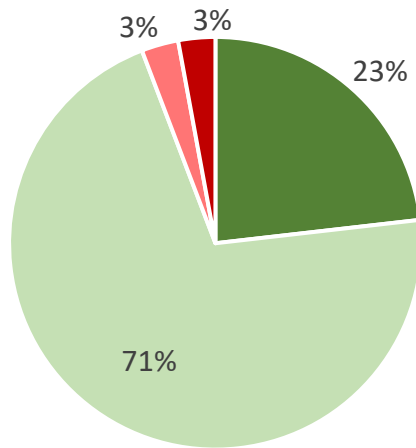
I receive all of the information I need on test day to enter on time.

1% 3% 26%

70%
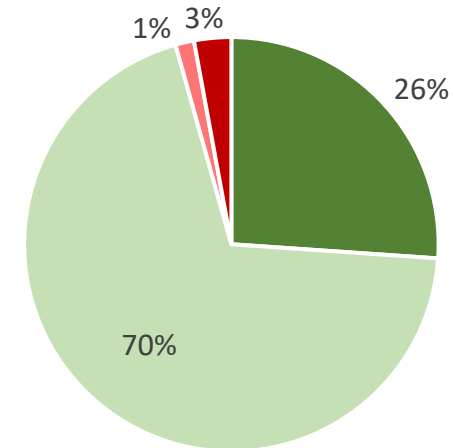
I know how to reach technical support on test day.

6% 3% 22%

69%

Overall, I am comfortable with remote testing.

9% 22%

14%

55%

- Strongly agree
- Agree
- Disagree
- Strongly disagree

Faculty Feedback

What went well?

- It was nice to have everyone testing at the same time
- IT Support
- Less work with creating multiple testing sections
- Getting to talk with students after a testing variance

What are your concerns?

- Possible Cheating
- Time spent reviewing flags
- Students need scratch paper
- Clearer guidelines for faculty and students regarding roles and responsibilities.
- Talking with students after a testing variance is noted
- Students are not able to move from camera during longer cumulative final exams
- The ability to leave the testing area for restroom breaks

Student Services

What went well?	What concerns do you have about remote testing?	Opportunities for improvement?
• Reduced the overall need for accommodations (private testing) • Minimal negative reports related to remote testing • Many students have reported they are familiar with remote testing • Prefer their own environment	• On campus space for private testing • Changing the process for upperclassman mid program • The ability to leave the testing area for restroom breaks • Students report concerns over being flagged easily	• Collaborate with ExamSoft to fix "glitches" • Provide students with examples of what is and what is not "flagged" to reduce anxiety

Feedback from IT Department

1
What went well?

Overall—went smoothly

2
Suggestions for improvement?

Dry Run with Students

3
Future Steps?

Phased in approach adding one cohort at a time.

Fall 2023 – Phase 1 of Full Implementation Plan

Fall 2023: Sophomore and 1st semester Junior students (approx. 250 students)

Spring 2024: Add 2nd semester Junior students (approx. 350 students)

- Revised guidelines based on feedback
- Continuing to monitor:
  - Grades per test/course
  - Variances
  - IT Support Utilization
- Students can reserve private testing space on campus (15 available)

Q&A

Contact: amy_feurer@bshsi.org

- Testing Guidelines/Expectations for Faculty and Students
- Testing Variance Templates