

2024 SCIENTIFIC

SYMPOSIUM

From Data to Policy

Jan. 23–24, 2024 · Scottsdale, Ariz.





Prelicensure RN Education During the Pandemic

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Director | Research

NSCBN

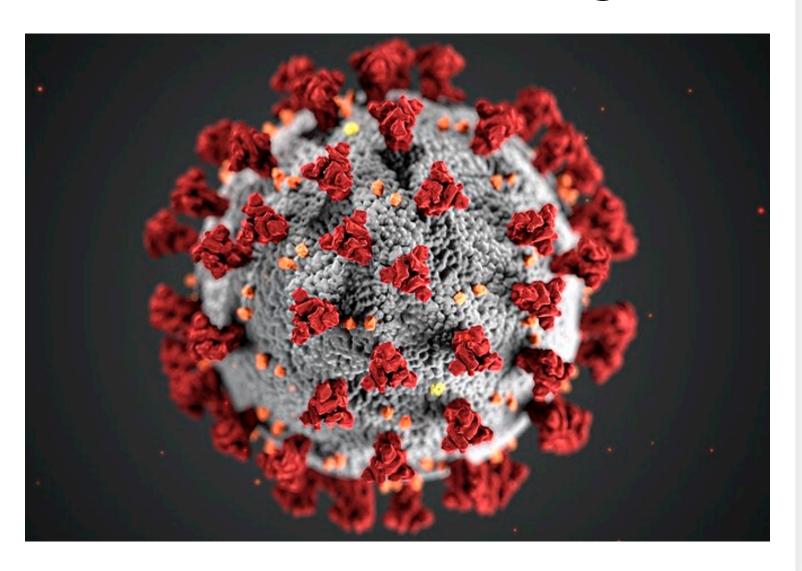


2024 SCIENTIFIC SYMPOSIUM

Agenda

- 1. Background
- 2. Methodology
- 3. Results
- 4. Questions/Comments

COVID-19 Research Agenda



- April 2020 April 2023
- 10+ applied studies
- Every level of nursing



Purpose of Study

To assess the impact of institutional, academic, and demographic characteristics on prelicensure nursing students' academic, initial postgraduation, and early career outcomes during the COVID-19 pandemic.

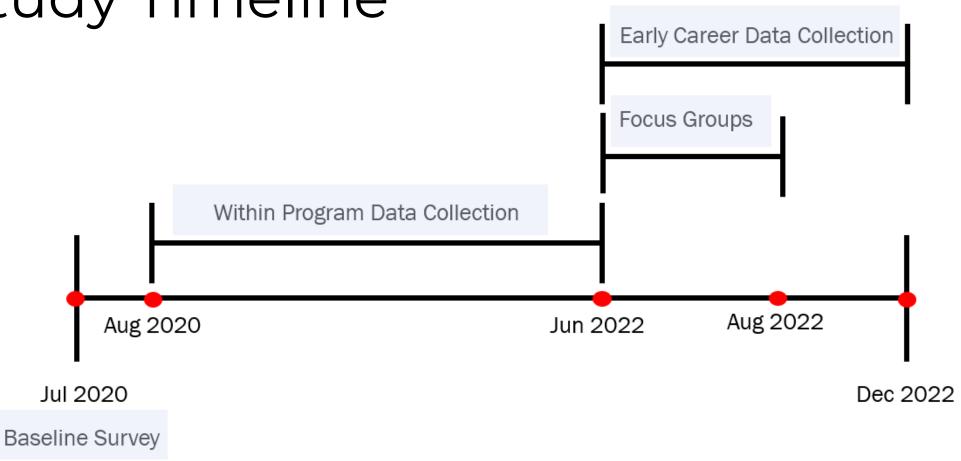
Prelicensure RN Education

- > 51 programs
- > **27** U.S. states

> 1,100+ participants



Study Timeline



Mixed Methods Approach

- Methods: Survey; Focus Groups
- Data Collection: Qualtrics, Zoom
- Survey Analysis: Detailed descriptive; graphical depiction of summary trends; non-parametric;
 Generalized Estimating Equation (GEE) models

Assessing the Impact of the COVID-19 Pandemic on Nursing Education: A National Study of Prelicensure RN Programs

Martin, B., Kaminski-Ozturk, N., Smiley, R., Spector, N., Silvestre, J., Bowles, W., & Alexander, M. (2023). Assessing the impact of the COVID-19 pandemic on nursing education: A national study of prelicensure RN programs. *Journal of Nursing Regulation*, *14*(1), S1-S67.

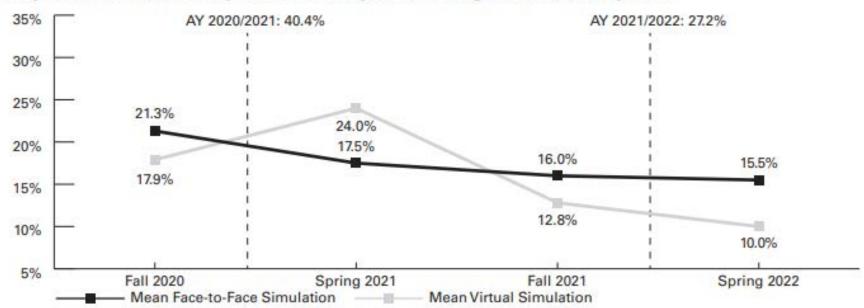
DOI: https://doi.org/10.1016/S2155-8256(23)00041-8

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A Shifting Landscape Part 1

Proportion of Clinical Experiences Completed Through Simulation by Term



Note. AY = academic year.

Clinical Results

Clinical Learning Environment Comparison Survey (CLECS) 2.0 Results

Characteristics	CLECS 2.0 Sum Score
Age	1.01 (0.16)
Sex	1.0000 9,3-9-00 00
Female (Ref)	86.14 (1.22)
Male	93.42 (3.38)
Hispanic	
Hispanic	85.40 (2.92)
Non-Hispanic (Ref)	87.07 (1.25)
Race	78.51111.55553
White (Ref)	87.00 (1.26)
Non-White	85.16 (2.82)
Pell Grant Status	
Yes	87.82 (1.86)
No (Ref)	86.21 (1.47)
Course Modality	
Virtual simulation (Ref)	76.32 (1.64)
In-person clinical placement	91.14 (1.13)***
Face-to-face simulation	89.31 (1.37)***
Term	
Fall 2020 (Ref)	80.73 (1.75)
Spring 2021	85.06 (1.57)*

Characteristics	CLECS 2.0 Sum Score
Fall 2021	90.96 (2.20)***
Spring 2022	95.42 (1.63)***
Clinical Rotation	
Adult medical surgical	84.76 (1.54)***
Advanced medical surgical (Ref)	93.39 (2.02)
Pediatrics	88.22 (2.49)
Community	81.67 (3.35)**
Maternal-newborn	89.31 (2.40)
Mental health	87.05 (2.26)*
Fundamentals	85.00 (1.76)***
Region	
Urban (Ref)	82.76 (1.95)
Suburban	91.14 (1.85)**
Rural	87.42 (2.10)
Other	81.50 (7.53)
ProgramType	-W111 - 1181
BSN (Ref)	84.83 (1.48)
ADN	88.81 (1.78)
Years in Operation (Unit = 10)	1.13 (0.50)

Clinical Results

Creighton Competency Evaluation Instrument (CCEI) Results by Student Characteristics

Student Characteristics	CCEI Sum Score
Age	1.09 (0.03)**
Sex	4200
Female (Ref)	19.87 (0.23)
Male	19.14 (0.66)
Hispanic	
Hispanic	19.43 (0.61)
Non-Hispanic (Ref)	19.83 (0.23)
Race	11.11.11.11
White (Ref)	20.04 (0.22)
Non-White	17.52 (0.77)**
Pell Grant Status	
Yes	19.95 (0.40)
No (Ref)	19.77 (0.26)
Course Modality	
Virtual simulation (ref)	17.62 (1.17)
In person clinical placement	19.84 (0.75)
Face-to-face simulation	20.28 (0.35)*
Term	
Fall 2020 (Ref)	20.85 (0.62)
Spring 2021	20.13 (0.52)

Student Characteristics	CCEI Sum Score
Fall 2021	20.24 (0.64)
Spring 2022	18.37 (1.13)*
Clinical Rotation	
Adult medical surgical (ref)	20.32 (0.25)
Advanced medical surgical	21.78 (0.24)***
Pediatrics	20.33 (0.54)
Community ^a	
Maternal-newborn	21.58 (0.24)***
Mental	19.09 (0.67)
Fundamentals	19.64 (0.75)
Region	
Urban (Ref)	18.56 (0.44)
Suburban	19.93 (0.30)**
Rural	20.65 (0.26)***
Other	22.20 (0.20)***
Program Type Program Type	
BSN (Ref)	19.04 (0.31)
ADN	20.73 (0.24)***
Years in Operation (Unit = 10)	1.28 (0.12)*

Clinical Results

Faculty Outcomes	In-Program Scores	P	NCLEX Scores	p	
Program type		(2)		2.332	
BSN	56.3% (39.2%-67.6%)	47	89.5% (80.4%-92.7%)		
ADN	52.2% (42.9%-70.8%)	.47 -	88.5% (83.3%-91.3%)	50	
Region					
Urban	66.7% (31.2%-82.5%)		88.0% (80.3%-92.5%)		
Suburban	50.3% (44.8%-59.4%)	.85	88.3% (82.3%-93.1%)	.57	
Rural	52.0% (39.8%-59.0%)	-	91.1% (88.5%-92.7%)		
Difficulty Arranging Clinical Rotations			1000		
Similar level of difficulty	52.2% (44.4%-77.9%)		88.3% (82.3%-92.7%)		
Somewhat more difficult	62.5% (48.4%-66.7%)	.18	88.5% (86.1%-92.7%)	.97	
Much more difficult	38.1% (0.0%-52.0%)	- 22000	85.1% (78.1%-94.9%)	_	
Resources for Virtual Simulation					
Maintaining same levels prior	52.2% (39.2%-66.7%)	en man a	90.9% (75.9%-93.1%)	.51	
No	39.8% (38.1%-52.0%)	.03	87.5% (80.4%-90.7%)		
Yes	82.9% (63.0%-86.7%)		89.1% (83.1%-93.1%)		
Initial Simulation (F) Increase					
<15%	59.0% (39.2%-67.7%)	49 -	90.9% (84.6%-92.7%)	18	
≥15%	50.3% (44.8%-70.5%)	49 -	88.5% (81.5%-91.3%)		
Initial Virtual Simulation Increase					
<14%	59.0% (38.1%-67.6%)	31 -	89.9% (83.3%-92.7%)		
≥14%	52.1% (45.2%-77.9%)	31 -	88.7% (83.1%-92.5%)	50	
Initial Online Lecture Increase					
<61%	54.4% (39.8%-82.5%)	21	90.8% (87.1%-92.9%)	00	
≥61%	53.8% (42.9%-66.7%)	21 -	87.7% (81.5%-91.3%)	08	
Mean Simulation (F) Increase					
<12.5%	39.8% (38.1%-59.0%)	04	88.5% (80.0%-92.7%)	24	
≥12.5%	63.0% (45.2%-86.7%)	04 -	87.5% (83.3%-93.1%)	34	
Mean Virtual Simulation Increase					
<20%	66.7% (39.8%-86.7%)	05 -	87.5% (75.9%-92.5%)		
≥20%	45.2% (39.2%-59.0%)	05 -	88.5% (80.3%-93.1%)	25	
Mean Online Lecture Increase					
<46.25%	54.1% (39.2%-62.5%)	22	88.7% (83.3%-92.7%)	47	
≥46.25%	63.0% (45.2%-67.6%)	23 -	90.2% (84.6%-92.5%)	47	

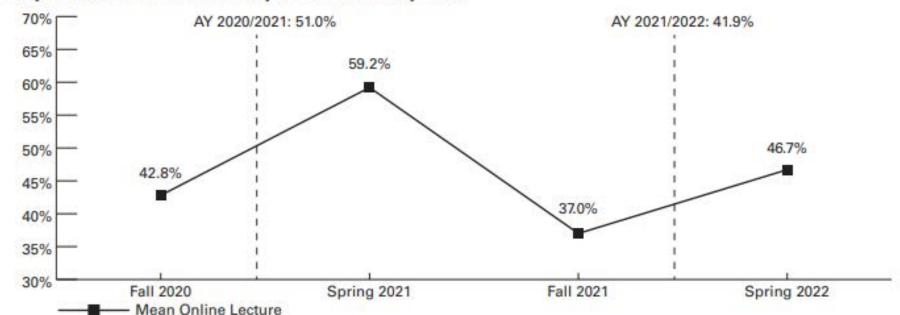
Clinical Results

Program Comparisons on Aggregate First-Time NCLEX Pass Rates

Program Characteristics	First-Time NCLEX Pass Rate			
	<80%	≥80%	- 30	
Program Type Program Type	110	190		
BSN	6 (21.4%)	22 (78.6%)	0.4	
ADN	2 (9.5%)	19 (90.5%)	.24	
Region				
Urban	6 (26.1%)	17 (73.9%)		
Suburban	2 (12.5%)	14 (87.5%)	.31	
Rural	0 (0%)	10 (100%)		
Difficulty Arranging Clinical Rotations		100 CON 100 CO		
Similar level of difficulty	1 (25.0%)	3 (75.0%)		
Somewhat more difficult	5 (22.7%)	17 (77.3%)	.42	
Much more difficult	2 (10.0%)	18 (90.0%)		
Resources for Virtual Simulation	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	10.10		
Maintaining the same levels	2 (16.7%)	10 (83.3%)		
No	2 (28.6%)	5 (71.4%)	.66	
Yes	4 (14.8%)	23 (85.2%)		
In-Program Scoresa	62.5% (38.1%-63.0%)	52.2% (42.9%-70.8%)	.38	
Years in Operation	65 (43–76)	54 (37–58)	.21	
Full-time Faculty	24 (13-40)	11 (8-22)	.11	
Required Clinical Hours	630 (150-675)	697 (550-750)	.07	
Fall 2020 Student Enrollment	37 (20-109)	54 (30–97)	.40	
Proportion of White Students	75.0% (63.0%-84.0%)	60.0% (36.5%-82.0%)	.06	
Proportion of Female Students	80.0% (78.0%-90.0%)	88.0% (83.5%-92.5%)	.20	
Initial Simulation (F) Increase	25.0% (15.5%-25.0%)	34.0% (20.0%-50.0%)	.07	
Initial Virtual Simulation Increase	20.0% (15.0%-35.0%)	9.0% (0%-19.5%)	.04	

A Shifting Landscape Part 2

Proportion of Lectures Completed Online by Term



Note. AY = academic year.

Lecture Results

Students' Cognitive, Affective, and Psychomotor (CAP) Perceived Learning Scale Results

Characteristics	Cognitive	Affective	Psychomotor	Sum
Age (Unit = 1)	1.06 (0.03)*	1.03 (0.03)	1.08 (0.03)**	1.17 (0.08)*
Sex				
Female (Ref)	12.07 (0.18)	12.89 (0.20)	12.86 (0.20)	37.82 (0.51)
Male	12.47 (0.52)	13.53 (0.74)	12.93 (0.53)	38.93 (1.63)
Hispanic				
Hispanic	12.38 (0.49)	13.16 (0.53)	13.18 (0.51)	38.72 (1.37)
Non-Hispanic (Ref)	12.08 (0.18)	12.90 (0.21)	12.81 (0.20)	37.79 (0.51)
Race				
White (Ref)	12.11 (0.46)	12.92 (0.21)	12.88 (0.21)	37.91 (0.53)
Non-white	11.99 (0.19)	12.85 (0.42)	12.57 (0.49)	37.40 (1.13)
Pell Grant Status				
Yes	12.63 (0.31)*	13.31 (0.34)	13.63 (0.26)**	39.57 (0.78)**
No (Ref)	11.84 (0.20)	12.73 (0.23)	12.44 (0.25)	37.01 (0.59)
Course Modality				
Online (Ref)	11.60 (0.27)	12.13 (0.30)	11.46 (0.36)	35.19 (0.76)
In person	12.14 (0.26)	13.44 (0.27)***	13.33 (0.27)***	38.91 (0.66)***
Hybrid	12.39 (0.23)**	13.05 (0.27)**	13.38 (0.23)***	38.82 (0.63)***

Lecture Results

Student Course Engagement Questionnaire Modified (SCEQ-M) Results

Characteristics	Applied	Goal-Oriented	Self-Disciplined	Interactive	Sum
Age	1.06 (0.02)***	1.01 (0.02)	1.13 (0.04)**	1.10 (0.04)**	1.67 (0.34)**
Sex					
Female (Ref)	12.46 (0.14)	22.12 (0.17)	22.96 (0.31)	19.50 (0.26)	93.68 (0.92)
Male	12.53 (0.47)	21.75 (0.58)	22.71 (0.87)	20.03 (0.72)	93.51 (2.99)
Hispanic					
Hispanic	12.41 (0.50)	21.63 (0.50)	23.20 (0.85)	19.61 (0.62)	93.28 (2.70)
Non-Hispanic (Ref)	12.47 (0.14)	22.16 (0.17)	22.91 (0.31)	19.56 (0.27)	93.78 (0.92)
Race					
White (Ref)	12.21 (0.38)	22.19 (0.18)	23.00 (0.31)	19.62 (0.27)	93.98 (0.95)
Non-White	12.47 (0.15)	21.45 (0.43)	22.38 (0.77)	18.92 (0.67)	91.07 (2.40)
Pell Grant Status					
Yes	12.69 (0.23)	22.06 (0.30)	23.62 (0.51)	20.17 (0.41)	95.39 (1.59)
No (Ref)	12.34 (0.17)	22.11 (0.20)	22.58 (0.34)	19.24 (0.30)	92.80 (1.03)
Course Modality					
Online (Ref)	12.32 (0.23)	22.09 (0.24)	22.26 (0.39)	18.62 (0.37)	91.56 (1.24)
In person	12.50 (0.20)	22.28 (0.24)	23.04 (0.43)	19.95 (0.42)**	94.73 (1.31)**
Hybrid	12.48 (0.17)	21.93 (0.24)	23.25 (0.37)*	19.79 (0.29)**	94.06 (1.16)

Lecture Results

Program Comparisons on Standardized Examination Scores

Faculty Outcomes	In-Program Scores	p	NCLEX Scores	р	
Program type		124			
BSN	56.3% (39.2%-67.6%)	47	89.5% (80.4%-92.7%)	FO	
ADN	52.2% (42.9%-70.8%)	47 -	88.5% (83.3%-91.3%)	50	
Region	12				
Urban	66.7% (31.2%-82.5%)		88.0% (80.3%-92.5%)		
Suburban	50.3% (44.8%-59.4%)	.85	88.3% (82.3%-93.1%)	.57	
Rural	52.0% (39.8%-59.0%)	100	91.1% (88.5%-92.7%)		
Difficulty Arranging Clinical Rotations			10.000		
Similar level of difficulty	52.2% (44.4%-77.9%)		88.3% (82.3%-92.7%)		
Somewhat more difficult	62.5% (48.4%-66.7%)	.18	88.5% (86.1%-92.7%)	.97	
Much more difficult	38.1% (0.0%-52.0%)	TO DOMESTIC OF	85.1% (78.1%-94.9%)	-	
Resources for Virtual Simulation					
Maintaining same levels prior	52.2% (39.2%-66.7%)	CC1 [10] 004	90.9% (75.9%-93.1%)	100	
No	39.8% (38.1%-52.0%)	.03	87.5% (80.4%-90.7%)	.51	
Yes	82.9% (63.0%-86.7%)		89.1% (83.1%-93.1%)		
Initial Simulation (F) Increase			(M) 4 (M) 4 (M)		
<15%	59.0% (39.2%-67.7%)	40	90.9% (84.6%-92.7%)	40	
≥15%	50.3% (44.8%-70.5%)	49 -	88.5% (81.5%-91.3%)	18	
Initial Virtual Simulation Increase					
<14%	59.0% (38.1%-67.6%)		89.9% (83.3%-92.7%)		
≥14%	52.1% (45.2%-77.9%)	31 -	88.7% (83.1%-92.5%)	50	
Initial Online Lecture Increase					
<61%	54.4% (39.8%-82.5%)	70 22 0 70	90.8% (87.1%-92.9%)	on make	
≥61%	53.8% (42.9%-66.7%)	21 -	87.7% (81.5%-91.3%)	.08	
Mean Simulation (F) Increase					
<12.5%	39.8% (38.1%-59.0%)	87 272 18	88.5% (80.0%-92.7%)		
≥12.5%	63.0% (45.2%-86.7%)	04 -	87.5% (83.3%-93.1%)	34	
Mean Virtual Simulation Increase			-		
<20%	66.7% (39.8%-86.7%)	05	87.5% (75.9%-92.5%)	- Te-	
≥20%	45.2% (39.2%-59.0%)	05 -	88.5% (80.3%-93.1%)	25	
Mean Online Lecture Increase					
<46.25%	54.1% (39.2%-62.5%)		88.7% (83.3%-92.7%)		
≥46.25%	63.0% (45.2%-67.6%)	23 -	90.2% (84.6%-92.5%)	47	

Lecture Results

Faculty Outcomes	In-Program Scores	р	NCLEX Scores	р
Total Clinical Courses Changed				
<50%	56.3% (39.2%-77.9%)	- 40 -	90.8% (80.3%-92.7%)	- 20
≥50%	58.7% (44.8%-67.2%)	43 -	87.9% (81.6%-93.1%)	28
Total Didactic Courses Changed				
<37.5%	48.6% (39.5%-74.4%)	27	92.6% (86.1%-94.2%)	003
≥37.5%	62.8% (45.6%–67.2%)	27 -	86.7% (78.7%–89.9%)	003

Workforce Pipeline

Clinical preparedness of new nurse graduates

Practice and diagnostic proficient of early career nurses



Clinical Results

New Nurse Graduate Performance Survey Results by Program Characteristics

Program Characteristics	Clinical	Technical Skills	Critical	Communication	Professionalism	Management of
	Knowledge		Thinking			Responsibilities
ProgramType						
BSN	3.84 (0.07)	4.86 (0.09)	4.66 (0.09)	4.72 (0.08)	5.10 (0.07)	4.59 (0.09)
ADN	3.97 (0.08)	4.95 (0.09)	4.90 (0.09)	4.88 (0.11)	5.19 (0.08)	4.84 (0.09)
School Region						
Urban	3.87 (0.09)	4.80 (0.13)	4.66 (0.12)	4.64 (0.10)	5.03 (0.09)	4.52 (0.13)
Suburban	3.90 (0.08)	4.92 (0.10)	4.74(0.10)	4.79 (0.10)	5.19 (0.08)	4.71 (0.11)
Rural	3.92 (0.09)	5.02 (0.08)	4.95 (0.09)	5.02 (0.11)	5.29 (0.09)	4.96 (0.08)**
Years in Operation						
<54 y	3.87 (0.07)	4.88 (0.09)	4.79 (0.08)	4.74 (0.08)	5.13 (0.07)	4.67 (0.09)
≥54 y	3.93 (0.07)	4.93 (0.07)	4.68 (0.08)	4.87 (0.08)	5.17 (0.07)	4.72 (0.10)
Initial Simulation (F) Increase						
<15%	4.01 (0.08)	5.06 (0.08)	4.86 (0.09)	4.98 (0.09)	5.27 (0.08)	4.86 (0.09)
≥15%	3.82 (0.07)	4.78 (0.09)*	4.69 (0.09)	4.65 (0.08)**	5.05 (0.07)*	4.56 (0.10)*
Initial Virtual Simulation Increase	е					
<14%	3.86 (0.06)	4.81 (0.10)	4.68 (0.10)	4.78 (0.09)	5.12 (0.08)	4.63 (0.11)
≥14%	3.92 (0.06)	4.98 (0.08)	4.84 (0.08)	4.79 (0.09)	5.16 (0.06)	4.73 (0.09)
Initial Online Lecture Increase						
<61%	3.86 (0.07)	4.90 (0.08)	4.76 (0.09)	4.81 (0.07)	5.13 (0.06)	4.67 (0.09)
≥61%	3.95 (0.08)	4.90 (0.10)	4.76 (0.10)	4.74 (0.11)	5.17 (0.09)	4.70 (0.11)
Mean Simulation (F) Increase						
<12.5%	3.84 (0.07)	5.01 (0.08)	4.83 (0.09)	4.84 (0.09)	5.17 (0.07)	4.76 (0.10)
≥12.5%	3.92 (0.09)	4.81 (0.12)	4.75 (0.10)	4.70 (0.10)	5.16 (0.08)	4.63 (0.12)
Mean Virtual Simulation Increas	е					
<20%	3.83 (0.09)	5.00 (0.08)	4.90 (0.08)	4.83 (0.10)	5.22 (0.07)	4.85 (0.08)
≥20%	3.93 (0.07)	4.79 (0.12)	4.65 (0.12)*	4.69 (0.09)	5.09 (0.08)	4.51 (0.13)*
Mean Online Lecture Increase						
<46.25%	3.91 (0.07)	5.05 (0.07)	4.89 (0.07)	4.99 (0.08)	5.27 (0.07)	4.88 (0.07)
≥46.25%	3.87 (0.09)	4.71 (0.12)*	4.70 (0.11)	4.66 (0.10)*	5.07 (0.09)	4.54 (0.12)*
Total Clinical Courses D						
<50%	3.91 (0.08)	5.08 (0.08)	4.83 (0.11)	4.94 (0.09)	5.24 (0.07)	4.78 (0.11)
≥50%	3.87 (0.07)	4.81 (0.09)*	4.74 (0.08)	4.70 (0.08)*	5.10 (0.07)	4.64 (0.09)
Total Didactic Courses D						
<37.5%	4.00 (0.07)	5.07 (0.08)	4.91 (0.09)	4.94 (0.08)	5.26 (0.07)	4.82 (0.09)
≥37.5%	3.79 (0.08)*	4.72 (0.11)**	4.64(0.10)*	4.66 (0.09)*	5.02 (0.08)*	4.57 (0.11)

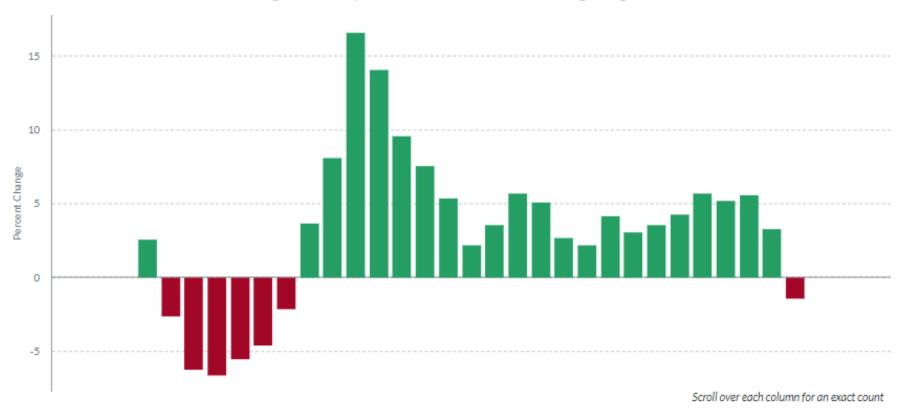
Lecture Results

New Nurse Graduate Performance Survey Results by Program Characteristics

Program Characteristics	Clinical Knowledge	Technical Skills	Critical Thinking	Communication	Professionalism	Management of Responsibilities
ProgramType	Milowicago		· · · · · · · · · · · · · · · · · · ·			поэроновинесь
BSN	3.84 (0.07)	4.86 (0.09)	4.66 (0.09)	4.72 (0.08)	5.10 (0.07)	4.59 (0.09)
ADN	3.97 (0.08)	4.95 (0.09)	4.90 (0.09)	4.88 (0.11)	5.19 (0.08)	4.84 (0.09)
School Region						
Urban	3.87 (0.09)	4.80 (0.13)	4.66 (0.12)	4.64 (0.10)	5.03 (0.09)	4.52 (0.13)
Suburban	3.90 (0.08)	4.92 (0.10)	4.74(0.10)	4.79 (0.10)	5.19 (0.08)	4.71 (0.11)
Rural	3.92 (0.09)	5.02 (0.08)	4.95 (0.09)	5.02 (0.11)	5.29 (0.09)	4.96 (0.08)**
Years in Operation						
<54 y	3.87 (0.07)	4.88 (0.09)	4.79 (0.08)	4.74 (0.08)	5.13 (0.07)	4.67 (0.09)
≥54 y	3.93 (0.07)	4.93 (0.07)	4.68 (0.08)	4.87 (0.08)	5.17 (0.07)	4.72 (0.10)
Initial Simulation (F) Increase						
<15%	4.01 (0.08)	5.06 (0.08)	4.86 (0.09)	4.98 (0.09)	5.27 (0.08)	4.86 (0.09)
≥15%	3.82 (0.07)	4.78 (0.09)*	4.69 (0.09)	4.65 (0.08)**	5.05 (0.07)*	4.56 (0.10)*
Initial Virtual Simulation Increas	e					
<14%	3.86 (0.06)	4.81 (0.10)	4.68 (0.10)	4.78 (0.09)	5.12 (0.08)	4.63 (0.11)
≥14%	3.92 (0.06)	4.98 (0.08)	4.84 (0.08)	4.79 (0.09)	5.16 (0.06)	4.73 (0.09)
Initial Online Lecture Increase						
<61%	3.86 (0.07)	4.90 (0.08)	4.76 (0.09)	4.81 (0.07)	5.13 (0.06)	4.67 (0.09)
≥61%	3.95 (0.08)	4.90 (0.10)	4.76 (0.10)	4.74 (0.11)	5.17 (0.09)	4.70 (0.11)
Mean Simulation (F) Increase						
<12.5%	3.84 (0.07)	5.01 (0.08)	4.83 (0.09)	4.84 (0.09)	5.17 (0.07)	4.76 (0.10)
≥12.5%	3.92 (0.09)	4.81 (0.12)	4.75 (0.10)	4.70 (0.10)	5.16 (0.08)	4.63 (0.12)
Mean Virtual Simulation Increas	e					
<20%	3.83 (0.09)	5.00 (0.08)	4.90 (0.08)	4.83 (0.10)	5.22 (0.07)	4.85 (0.08)
≥20%	3.93 (0.07)	4.79 (0.12)	4.65 (0.12)*	4.69 (0.09)	5.09 (0.08)	4.51 (0.13)*
Mean Online Lecture Increase						
<46.25%	3.91 (0.07)	5.05 (0.07)	4.89 (0.07)	4.99 (0.08)	5.27 (0.07)	4.88 (0.07)
≥46.25%	3.87 (0.09)	4.71 (0.12)*	4.70 (0.11)	4.66 (0.10)*	5.07 (0.09)	4.54 (0.12)*
Total Clinical Courses D						
<50%	3.91 (0.08)	5.08 (0.08)	4.83 (0.11)	4.94 (0.09)	5.24 (0.07)	4.78 (0.11)
≥50%	3.87 (0.07)	4.81 (0.09)*	4.74 (0.08)	4.70 (0.08)*	5.10 (0.07)	4.64 (0.09)
Total Didactic Courses D						
<37.5%	4.00 (0.07)	5.07 (0.08)	4.91 (0.09)	4.94 (0.08)	5.26 (0.07)	4.82 (0.09)
≥37.5%	3.79 (0.08)*	4.72 (0.11)**	4.64(0.10)*	4.66 (0.09)*	5.02 (0.08)*	4.57 (0.11)

AACN Research

Enrollment Changes in Entry-Level Baccalaureate Nursing Programs 1994-2022



Burnout among academic nursing faculty

Zangaro, G. A., Rosseter, R., Trautman, D., & Leaver, C. (2023). Burnout among academic nursing faculty. *Journal of Professional Nursing*, 48, 54-59.

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Key Takeaways

- 1) The effects of the pandemic are widespread and multiple.
- 2) Shifts to <u>virtual</u> clinical simulation and online lecture delivery had a deleterious effect on student outcomes.
- 3) There was good adherence to evidencebased guidelines for face-to-face simulation.

