

Teaching, Health Care, and Law Outcomes

Questions: In addition to successfully completing college requirements, many college students and college graduates must also pass a licensure or certification exam before they can practice their chosen profession. The three largest employment areas requiring such exams are Teaching, Health Care, and Law. How well do Ohio's college students and graduates perform when they take such exams for the first time?

Why ask about licensure and certification outcomes? The vast majority of students who attend college in employment areas requiring licensure or certification exams expect that they will pass the exam the first time they take the exam. Students seeking to enroll in Ohio's colleges and universities in these areas will want to know the success rates of the students for each institution.

Statewide Answers:

TEACHING

- 89% of the 7,551 individuals who completed teacher education program requirements in Ohio during the 2000-2001 academic year **and** took the Ohio ETS-PRAXIS-II teaching tests passed the entire exam. The State Department of Education reports that 7,680 individuals completed teacher education programs in Ohio in 2000-2001.
- 92% of test takers passed the Ohio ETS-PRAXIS-II tests for Academic Content (knowledge of subject area such as mathematics, social studies, foreign language, general science; chemistry)
- 93% of test takers passed the Ohio ETS-PRAXIS-II tests for Professional Knowledge (principles of learning and teaching)
- 97% of test takers passed the Ohio ETS-PRAXIS-II tests for Teaching Special Populations (e.g. students with disabilities)

HEALTH CARE Nursing

Certification/Licensure Exam Passage Rates Reported to Ohio Board of Regents by Ohio Board of Nursing For First Time Test Takers in 2001

NURSING-RN	88% of 2,970 individuals.	Exam = Ohio Registered Nurse
NURSING-LPN	93% of 507 individuals.	Exam = Ohio Licensed Practical Nursing

HEALTH CARE Other *

Certification/Licensure Exam Passage Rates Reported to Ohio Board of Regents by Public Colleges & Universities For First Time Test Takers in 2001

DENTAL HYGIENE	92% of 236 individuals.	Exam = National Board Examination.
EMERGENCY MEDICAL-B	76% of 1,030 individuals.	Exam = Ohio Emergency Medical Technician-Basic.
EMERGENCY MEDICAL-A	68% of 186 individuals.	Exam = Ohio Emergency Medical Technician-Advanced.
EMERGENCY MEDICAL-P	66% of 357 individuals.	Exam = Ohio Emergency Medical Technician Paramedic.
OCCUPATIONAL THERAPY	98% of 84 individuals.	Exam = Ohio Occupational Therapy Assistant.
OCCUPATIONAL THERAPIST	100% of 11 individuals.	Exam = Ohio Occupational Therapist.
PHYSICAL THERAPY	70% of 166 individuals.	Exam = Ohio Physical Therapy Assistant.
PHYSICAL THERAPIST	97% of 37 individuals	Exam = Ohio Physical Therapist
PHYSICIAN ASSISTANT	100% of 22 individuals.	Exam = Ohio Physician Assistant examination.

LAW

LAW: 77% of the 846 first-time bar examinees who graduated from Ohio universities and took the Ohio bar exam passed the exam in July, 2002. This was a significant decrease from the 82% of first time bar examinees who passed the bar exam in July of 2001. Source: Ohio Supreme Court, 2002

***Note:** To obtain data on health care results, all public colleges and universities were asked in summer 2002 to provide certification results for health care professions for first time examination takers for 1999-2001 to the Ohio Board of Regents. It is possible that some campuses were unable to comply with this request.

Campus Answers: Significant differences in certification and licensure passage rates are evident among colleges and universities in Ohio.

TEACHING

Ohio ETS-PRAXIS Exam* – 2001 Academic Year

- Among the state-supported universities Ohio State University had the highest success rate (94%) for students who took the Ohio ETS-PRAXIS-II tests for teaching. Central State University had the lowest success rate (31%) for students who took the Ohio ETS-PRAXIS-II tests for teaching.
- Among the independent colleges and universities several had Ohio ETS-PRAXIS-II success rates equal or above 94% (Baldwin Wallace College - 96%; College of Wooster – 100%; Denison University – 100%; John Carroll University 97%; Mount Vernon Nazarene University – 98%; University of Dayton – 96%; Bluffton College – 94%; Cedarville – 95%; Marietta College – 94%; Xavier University – 94%).
- Each teacher training institution in Ohio must have a summary score of 70% or greater to meet standards set by the Ohio Department of Education.

State-Supported Universities

Institution	Summary for all test takers		Academic Content Areas		Professional Knowledge		Teaching Special Populations	
	# taking test	% Passing	# taking test	% Passing	# taking test	% Passing	# taking test	% Passing
Bowling Green State University	655	88%	508	92%	641	93%	88	100%
Central State University	16	31%			14	50%		
Cleveland State University	306	84%	247	90%	302	87%	42	81%
Kent State University	560	92%	424	93%	479	95%	78	97%
Miami University	505	92%	462	94%	492	95%	22	100%
Ohio State University	393	94%	321	98%	391	95%	17	100%
Ohio University	494	88%	438	93%	490	93%	18	89%
Shawnee State University	67	72%	66	80%	67	81%		
University of Akron	321	84%	276	89%	316	90%	25	92%
University of Cincinnati	144	90%	125	95%	143	93%		
University of Toledo	343	88%	298	90%	342	91%	36	100%
Wright State University	452	89%	391	94%	451	91%	26	96%
Youngstown State University	300	84%	264	83%	292	90%	19	100%

Independent Colleges and Universities

Institution	Summary for all test takers		Academic Content Areas		Professional Knowledge		Teaching Special Populations	
	# taking test	% Passing	# taking test	% Passing	# taking test	% Passing	# taking test	% Passing
Antioch College	4	NC						
Antioch University McGregor	59	76%	53	79%	59	86%		
Ashland University	282	93%	229	97%	277	95%	38	92%
Baldwin-Wallace College	157	96%	145	94%	156	97%	24	100%
Bluffton College	68	94%	62	95%	67	94%	18	100%
Capital University	86	78%	79	85%	81	81%	19	100%
Case Western Reserve University	11	82%	11	100%	10	80%		
Cedarville	128	95%	123	96%	127	99%		
College of Mount St. Joseph	70	87%	66	88%	70	96%		
College of Wooster	27	100%	25	100%	26	100%		
Defiance College	42	90%	42	90%	42	93%		
Denison University	12	100%	10	90%	12	100%		
Franciscan University of Steubenville	61	79%	54	87%	62	85%		
Heidelberg College	85	78%	83	80%	85	82%		
Hiram College	30	90%	28	96%	30	93%		
John Carroll University	137	97%	130	98%	136	98%	22	100%
Lake Erie College	33	91%	16	100%	23	87%	11	100%
Lourdes College	24	92%	17	94%	23	96%		
Malone College	113	93%	105	96%	113	96%	11	100%
Marietta College	36	94%	36	94%	35	100%	11	100%
Mount Union College	140	83%	118	86%	139	93%		
Mount Vernon Nazarene University	56	98%	54	98%	55	100%	15	100%
Muskingum College	103	90%	107	90%	104	92%	25	100%
Notre Dame College	58	90%	22	91%	41	90%	23	100%
Oberlin College	7	N/A						
Ohio Dominican University	95	83%	78	90%	95	88%	14	86%
Ohio Northern University	59	86%	53	87%	59	95%		
Ohio Wesleyan University	46	89%	45	87%	46	96%		
Otterbein College	97	89%	81	89%	96	96%		
University of Dayton	198	96%	183	98%	188	97%	37	100%
University of Findlay	78	82%	75	87%	77	87%		
University of Rio Grande	68	72%	51	76%	67	81%		
Urbana University	69	80%	61	89%	69	86%		
Ursuline College	38	92%	36	94%	38	95%		
Walsh University	49	82%	42	86%	46	89%		
Wilmington College	46	87%	39	92%	45	89%		
Wittenberg University	85	92%	83	93%	85	95%	17	100%
Xavier University	249	94%	243	96%	235	97%	22	100%

Ohio ETS-PRAXIS-II tests for Academic Content	=	knowledge of subject area such as mathematics, social studies, foreign language, general science; chemistry
Ohio ETS-PRAXIS-II tests for Professional Knowledge	=	principles of learning and teaching
Ohio ETS-PRAXIS-II tests for Teaching Special Populations	=	knowledge of methods of teaching students with disabilities or students with reading difficulties

Source: Ohio Department of Education

HEALTH CARE

NURSING – Ohio Registered Nursing Exam (1999 – 2001 Academic Years)

- Among the community state supported two year campuses, five have 3-year success rates of 90% or better for students who took the Registered Nursing (RN) exam (Sinclair Community College = 93%; Southern State Community College = 91%; Clark State Community College = 92%; Central Ohio Technical College = 90%; Stark State College of Technology = 95%).
- Among the state-supported universities, Kent State University had the highest success rate (91%).
- Among the independent colleges and universities, several had RN success rates equal to or above 90% (Case Western Reserve University = 96%; Ursuline college = 96%; Lourdes College = 95%; Mercy College = 90%; Walsh University = 100%).

Community Colleges

Institution	3 year performance (1999-2001)	
	Took Exam	% Passed
Cuyahoga Community College	298	88%
Lakeland Community College	197	85%
Lorain County Community College	335	88%
Lorain County Community College (Firelands Campus)	35	86%
Sinclair Community College	323	93%

State Community Colleges

Campus	3 year performance (1999-2001)	
	Took Exam	% Passed
Cincinnati State - Bethesda School of Nursing	254	81%
Clark State Community College	128	92%
Columbus State Community College	201	84%
Edison State Community College	109	79%
Northwest State Community College	115	87%
Owens State Community College	504	82%
Southern State Community College	80	91%
Washington State Community College	48	88%

Technical Colleges

Campus	3 year performance (1999-2001)	
	Took Exam	% Passed
Belmont Technical College	65	89%
Central Ohio Technical College	125	90%
Hocking Technical College	419	88%
Marion Technical College	85	89%
North Central State College	172	85%
James A. Rhodes State College	159	89%
Stark State College of Technology	128	95%

University Branch Campuses

Campus	3 year performance (1999-2001)	
	Took Exam	% Passed
Ohio University - Zanesville	186	85%
Univ. of Cincinnati - Raymond Walters	131	86%

University Main Campuses

Campus	3 year performance (1999-2001)	
	Took Exam	% Passed
Bowling Green State University	162	78%
Cleveland State University	114	81%
Kent State University (AD)	258	91%
Kent State University (Degree)	515	91%
Miami University	185	87%
Ohio State University	379	88%
Shawnee State University	105	84%
University of Akron	333	83%
University of Cincinnati (Degree)	302	85%
University of Toledo	149	66%
University of Toledo (Degree)	151	77%
Wright State University	281	85%
Youngstown State University	124	84%

Independent Colleges & Universities

Campus	3 year performance (1999-2001)	
	Took Exam	% Passed
Capital University	99	87%
Case Western Reserve University (BSN)	144	85%
Case Western Reserve University	77	96%
Cedarville College	151	89%
College of Mount St. Joseph	50	82%
Franciscan University of Steubenville	56	88%
Kettering College of Medical Arts	107	81%
Lourdes College	40	95%
Mercy College of Northwest Ohio	101	90%
Mount Carmel College of Nursing	225	82%
Otterbein College	91	89%
University of Rio Grande	121	85%
Ursuline College	139	96%
Walsh University	47	100%
Xavier University (BSN)	61	87%

Nursing Schools

Campus	3 year performance (1999-2001)	
	Took Exam	% Passed
Aultman Hospital SN	73	84%
Christ Hospital SN	186	86%
Community Hosp. SN of Springfield & Clark Co.	37	84%
Firelands Regional Medical Cntr SN	53	85%
Good Samaritan College of Nursing & Health Science	223	88%
Mansfield General Hospital SN	68	85%
Meridia Huron HSN	196	88%
Trinity Health System SN	89	84%

NURSING – Ohio Licensed Practical Nursing Exam (1999 – 2001 Academic Years)

- Among the state-supported two year colleges preparing students for their LPN exams, 8 of 12 have three year success rates (1999-2001) greater than 90%.

Community Colleges

	3 year performance (1999-2001)	
Campus	Took Exam	% Passed
Cuyahoga Community College	53	91%
Jefferson Community College	57	89%
Lorain County Community College	138	96%

State Community Colleges

	3 year performance (1999-2001)	
Campus	Took Exam	% Passed
Clark State Community College	57	93%
Northwest State Community College	78	94%
Southern State Community College	65	89%
Washington State Community College	50	100%

Technical Colleges

	3 year performance (1999-2001)	
Campus	Took Exam	% Passed
Belmont Technical College	76	84%
Central Ohio Technical College	25	96%
Hocking Technical College	441	98%
North Central State College	135	96%
James A. Rhodes State College	75	88%

Proprietary Colleges

	3 year performance (1999-2001)	
Campus	Took Exam	% Passed
Southern Ohio College	171	80%

Health Care - Other

Three Year Performance Rates (1999-2001) on Examinations for First Time Test Takers:

- **Dental Hygienist**
 - **Emergency Medical Technician - Advanced (EMT-A)**
 - **Emergency Medical Technician - Basic (EMT-B)**
 - **Emergency Medical Technician - Paramedic (EMT-P)**
 - **Occupational Therapy Assistant**
 - **Physical Therapy Assistant**
- Twelve state supported two year colleges and seven public universities reported success rates for their students who took a variety of health care certification and/or licensure exams. These are reported below.

Three Year Performance Rates (1999-2001)

	Dental Hygienist - National Board Exam		Emergency Medical Technician - Advanced (EMT-A)		Emergency Medical Technician - Basic (EMT-B)		Emergency Medical Technician - Paramedic (EMT-P)		Occupational Therapy Assistant		Occupational Therapist		Physical Therapy Assistant		Physical Therapist		Physician Assistant	
	Took Exam	% Pass	Took Exam	% Pass	Took Exam	% Pass	Took Exam	% Pass	Took Exam	% Pass	Took Exam	% Pass	Took Exam	% Pass	Took Exam	% Pass	Took Exam	% Pass
Two Year Colleges																		
Columbus State Comm. College	28	86%	180	59%	392	70%	99	63%										
Cuyahoga Comm. College	55	96%			732	80%	213	77%	51	100%			69	74%				
Hocking Technical College			59	73%	459	74%	67	70%					58	14%				
Jefferson Comm. College			N/A	50%	7	100%	N/A	50%										
Lakeland Comm. College	57	95%			224	70%	10	70%										
Lorain County Comm. College	41	90%			117	81%	61	72%					33	88%				
Marion Technical College													32	75%				
Owens State Comm. College	68	97%			35	77%			62	90%			57	93%				
James A. Rhodes State College	54	96%	57	72%			36	67%	58	100%			73	81%				
Sinclair Comm. College	73	96%	139	65%	223	82%	185	77%	67	91%			58	83%				
Southern State Comm. College					14	64%	20	55%										
Washington State Comm. College													41	73%				
University Main Campuses																		
Kent State University									45	91%			108	71%				
Medical College of Ohio									11	100%	11	100%					22	100%
MCOT; UT; BGSU															37	97%		
Ohio State University	82	99%																
Shawnee State University	56	96%	71	68%	199	74%	41	73%	43	100%			65	65%				
University of Cincinnati	88	83%			137	74%	103	88%					45	98%				
University of Toledo					72	56%	49	65%										
Youngstown State University	64	95%			115	84%	17	94%										

LAW

- Considerable variability is evident in the success of first time law bar examinees among the state supported and independent universities. In July 2002, The Ohio State University reported the highest passage rate (90%) whereas Capital University (65%) and the University of Dayton (62%) reported the lowest law bar passage rates.
- When compared to the previous years, seven of nine universities recorded declines in the law bar passage rates of their first time examinees, and several of these universities recorded quite significant decreases from 2001 to 2002.

Bar Passage Rates for July Graduates First-Time Bar Takers – 1997-2002 Academic Years*

State-Supported Universities	1997	1998	1999	2000	2001	2002	# Test Takers in 2002
University of Akron	76%	79%	85%	78%	85%	78%	107
University of Cincinnati	95%	88%	93%	93%	91%	80%	81
Cleveland State University	66%	71%	68%	67%	75%	73%	134
Ohio State University	86%	85%	84%	86%	90%	90%	141
University of Toledo	67%	69%	63%	78%	85%	78%	67
Independent Universities							
Capital University	75%	66%	62%	63%	75%	65%	133
Case Western Reserve University	79%	80%	85%	81%	85%	81%	98
University of Dayton	75%	70%	68%	67%	79%	62%	58
Ohio Northern University	58%	50%	54%	59%	74%	81%	27

*Source: Ohio Supreme Court November 2002.