



**Ohio Board of Regents**

**Ohio Rankings in Education, Income, K-12  
Indicators, Higher Education Indicators, Tax  
Revenue and Higher Education Support**

**Prepared for the Governor's Commission on Higher Education  
and the Economy**

**August 2003**

## Ohio rankings in education, income, K-12 indicators, higher education indicators, tax revenue and higher education support

	Ohio	U.S.	Ohio as % of U.S.
<b>1. Ohio Ranks Near the Middle in K-12 Achievement</b>			
a. 12th of 39 in NAEP Math (8th Grade Proficiency Test) % scoring proficient or higher, 2000	31	26	119%
b. 4th of 38 in NAEP Science (8th Grade Proficiency Test) % scoring proficient or higher, 2000	41	30	137%
c. 12th of 44 in NAEP Reading (8th Grade Proficiency Test) % scoring proficient or higher, 2002	35	31	113%
d. 4th of 44 in NAEP Writing (8th Grade Proficiency Test) % scoring proficient or higher, 2002	38	30	127%
e. 29th in AP exams >= 3 per 1000 HS juniors and seniors, 2002	86	134	64%
f. 28th in HS graduation rates, 2000	69.6	67.1	104%
g. 15/30 in upper-level HS math courses taken by 9th through 12th graders, 2000	47	46	102%
h. 25/30 in Upper-level HS science courses taken by 9th through 12th graders, 2000	20	28	71%
<b>2. Ohio Ranks Relatively Low in Higher Education Achievement and Related Indicators</b>			
a. 22nd in median personal income per capita, 1999	\$21,003	\$21,587	97%
b. 39th in % of adults with bachelor's degree or higher, 2000	21.1	24.4	86%
c. 30th in % of adults with graduate/professional degree, 2000	7.4	8.9	83%
d. 30th in New Economy Index, 2002	56.5	60.3	94%
e. 38th in % of jobs in managerial/professional occupations, 2000	31	33.6	92%
<b>3. Public Support of Higher Education is Relatively Low</b>			
a. 35th in state and local appropriations for higher education per FTE student, 1998	\$4,712	\$5,304	89%
b. 42nd in % of state and local revenue allocated to higher education, 1998	5	6	83%
c. 35th in state and local appropriations for higher education per capita, 2002	\$194	\$226	86%
d. 38th in state and local appropriations for higher education per \$1000 of personal income, 2002	\$7	\$8	89%
<b>4. College is Relatively Expensive in Ohio</b>			
a. 7th in 4-year tuition as % of family income, 2001	28.9	24.2	119%
b. 9th in 2-year tuition as % of family income, 2001	24	20.3	118%
c. 22nd in Median Family Income, 1999	\$50,037	\$50,046	100%
<b>5. College Participation is Relatively Low</b>			
a. 30th in college-going rate of recent HS graduates, 2000	56.1	56.7	99%
b. 22nd in % of 9th graders going to college 4 years later, 2000	39	37.5	104%
c. 37th in % of 18-64 attending college, 2000	7.9	8.8	90%
<b>6. Student Progression in College is Below Average</b>			
a. 28th in 1st to 2nd year retention, 2001	75.5	74.1	102%
b. 25th in 6-year bachelor's graduation rate, 2001	52.8	54	98%
c. 32nd in 3-year associate's graduation rate, 2001	23.9	29.8	80%
<b>7. State Tax Revenues are Low, Local Tax Revenues are High</b>			
20th in state and local tax revenue per capita, 1999	\$2,869	\$2,986	96%
34th in state tax revenue per capita, 1999	\$1,615	\$1,837	88%
10th in local tax revenue per capita, 1999	\$1,255	\$1,149	109%
<b>8. Tuition is Relatively High and State Support is Relatively Low</b>			
a. 22nd in (tuition + state support) per FTE, 1998	\$8,189	\$7,714	106%
b. 11th in Net Tuition as % of (net tuition + state support), 1998	42.5	31.2	136%

Revised August 25, 2003

**1a. Math Scores at or Above Proficient on the 8th  
Grade National Assessment of Educational Progress,  
2000**

	Rank Among 39 States	Percent At or Above Proficient (%)
Minnesota	1	40.0%
<b>Ohio</b>	<b>12</b>	<b>31.0%</b>
North Carolina	13	30.0%
Michigan	15	28.0%
Illinois	17	27.0%
<b>Nation</b>		<b>26.0%</b>
Kentucky	26	21.0%
Georgia	28	19.0%

**1b. Science Scores at or Above Proficient on the 8th  
Grade National Assessment of Educational Progress,  
2000**

	Rank Among 38 States	Percent At or Above Proficient (%)
Minnesota	3	42.0%
<b>Ohio</b>	<b>4</b>	<b>41.0%</b>
Michigan	9	37.0%
<b>Nation</b>		<b>30.0%</b>
Illinois	18	30.0%
Kentucky	20	29.0%
North Carolina	23	27.0%
Georgia	29	23.0%

**1c. Reading Scores at or Above Proficient on the  
8th Grade National Assessment of Educational  
Progress, 2002**

	Rank Among 41 States	Percent At or Above Proficient (%)
Georgia	32	26
Kentucky	18	32
Michigan	20	32
Minnesota		n/a
<b>Nation</b>		<b>31</b>
North Carolina	22	32
<b>Ohio</b>	<b>12</b>	<b>35</b>
Pennsylvania	13	35

**1d. Writing Scores at or Above Proficient on the  
8th Grade National Assessment of Educational  
Progress, 2002**

	Rank Among 41 States	Percent At or Above Proficient (%)
Georgia	25	25
Kentucky	26	25
Michigan	27	24
Minnesota		n/a
<b>Nation</b>		<b>30</b>
North Carolina	8	34
<b>Ohio</b>	<b>4</b>	<b>38</b>
Pennsylvania	14	32

### 1e. Advanced Placement Exam Scores 3 or Above, 2002

	Rank Among 50 States	Number of AP Exams Scores at 3 or Above Per 1,000 High School Juniors and Seniors
New Jersey	5	203
North Carolina	9	179
Illinois	15	136
<b>Nation</b>		<b>134</b>
Georgia	17	128
Pennsylvania	20	113
Michigan	25	103
Minnesota	27	92
<b>Ohio</b>	<b>29</b>	<b>86</b>
Kentucky	33	74

### 1f. High School Graduation Rate, 2000

	Rank Among 50 States	Graduation Rate (%)
New Jersey	1	86.1%
Minnesota	5	83.7%
Pennsylvania	14	74.9%
Illinois	25	71.1%
<b>Ohio</b>	<b>28</b>	<b>69.6%</b>
Michigan	32	68.7%
<b>Nation</b>		<b>67.1%</b>
Kentucky	35	65.8%
North Carolina	43	58.7%
Georgia	49	52.3%

### 1g. Upper Level Math Courses Taken by 9th through 12th Graders, 2000

	Rank Among 30 States	Percent of 9th to 12th Graders Taking at Least One Upper-Level Math Course (%)	Change from 1990 (%)
North Carolina	1	61.0%	24.0%
Kentucky	10	53.0%	18.0%
<b>Ohio</b>	<b>15</b>	<b>47.0%</b>	<b>11.0%</b>
<b>Nation</b>		<b>46.0%</b>	<b>12.0%</b>
Minnesota	25	36.0%	-5.0%

### 1h. Upper Level Science Courses Taken by 9th through 12th Graders, 2000

	Rank Among 30 States	Percent of 9th to 12th Graders Taking at Least One Upper-Level Science Course (%)	Change from 1990 (%)
North Carolina	14	30.0%	14.0%
Kentucky	16	29.0%	6.0%
<b>Nation</b>		<b>28.0%</b>	<b>7.0%</b>
Minnesota	23	22.0%	-1.0%
<b>Ohio</b>	<b>25</b>	<b>20.0%</b>	<b>0.0%</b>

## 2a. Per Capita Personal Income, 1999

	Rank Among 50 States	Per Capita Personal Income - 1999 (\$)
New Jersey	2	\$27,006
Minnesota	10	\$23,198
Illinois	11	\$23,104
Michigan	15	\$22,168
<b>Nation</b>		<b>\$21,587</b>
Georgia	21	\$21,154
<b>Ohio</b>	<b>22</b>	<b>\$21,003</b>
Pennsylvania	24	\$20,880
North Carolina	28	\$20,307
Kentucky	40	\$18,093

## 2b. % of Adults 25 and Older with a Bachelor's Degree or Higher, 2000

	Rank Among 50 States	Percent Bachelor's Degree or Higher (%)	Change from 1990 (%)
New Jersey	5	29.8%	4.9%
Minnesota	10	27.4%	5.6%
Illinois	14	26.1%	5.0%
<b>Nation</b>		<b>24.4%</b>	<b>4.1%</b>
Georgia	22	24.3%	5.0%
North Carolina	28	22.5%	5.1%
Pennsylvania	29	22.4%	4.4%
Michigan	34	21.8%	4.4%
<b>Ohio</b>	<b>39</b>	<b>21.1%</b>	<b>4.1%</b>
Kentucky	47	17.1%	3.5%

**2c. % of Adults 25 and Older with a Graduate or Professional Degree, 2000**

	Rank Among 50 States	Percent with a Graduate or Professional Degree	Change from 1990 (%)
New Jersey	8	11.0%	2.2%
Illinois	12	9.5%	2.0%
<b>Nation</b>		<b>8.9%</b>	1.7%
Pennsylvania	20	8.4%	1.8%
Minnesota	22	8.3%	2.0%
Georgia	23	8.3%	1.9%
Michigan	25	8.1%	1.7%
<b>Ohio</b>	<b>30</b>	<b>7.4%</b>	1.5%
North Carolina	34	7.2%	1.8%
Kentucky	37	6.9%	1.4%

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**2d. New Economy Index, 2002**

	Rank Among 50 States	2002 Overall Index Score	Change from 1999
New Jersey	6	75.1	14.2
Minnesota	12	68.7	12.2
Illinois	17	64.7	16.3
Pennsylvania	19	62.3	15.6
<b>Nation</b>		<b>60.3</b>	<b>12.2</b>
Georgia	22	60.1	13.5
Michigan	23	60.0	15.4
North Carolina	26	57.5	12.3
<b>Ohio</b>	<b>30</b>	<b>56.5</b>	<b>11.7</b>
Kentucky	42	48.6	9.2

**2e. % of Employment in Management and Professional Occupations, 2000**

	Rank Among 50 States	Percent Employment in Management and Professional Occupations (%)
New Jersey	5	38.0%
Minnesota	10	35.8%
Illinois	15	34.2%
<b>Nation</b>		<b>33.6%</b>
Georgia	25	32.7%
Pennsylvania	26	32.6%
Michigan	32	31.5%
North Carolina	37	31.2%
<b>Ohio</b>	<b>38</b>	<b>31.0%</b>
Kentucky	46	28.7%

**3a. State and Local Public Higher Education Operating Appropriations Per Full-Time Equivalent Student, 1998**

	Rank Among 50 States	Adjusted Operating Appropriations for Public Higher Education Per Full-Time Equivalent (FTE) Student - (\$)
North Carolina	4	\$6,851
Georgia	7	\$6,622
New Jersey	10	\$6,331
Minnesota	12	\$6,002
Michigan	13	\$5,906
Illinois	16	\$5,703
Pennsylvania	22	\$5,382
<b>Nation</b>		<b>\$5,304</b>
<b>Ohio</b>	<b>35</b>	<b>\$4,712</b>
Kentucky	41	\$4,478

**3b. Public Higher Education Operating Appropriations as a % of State and Local Tax Revenues, 1998**

	Rank Among 50 States	Operating Appropriations for Public Higher Education as % of State and Local Actual Tax Revenues
North Carolina	3	9.0%
Georgia	9	8.0%
Michigan	16	7.5%
Minnesota	25	6.0%
<b>Nation</b>		<b>6.0%</b>
Illinois	27	5.9%
Kentucky	35	5.4%
<b>Ohio</b>	<b>42</b>	<b>5.0%</b>
Pennsylvania	44	4.5%
New Jersey	46	4.0%

### 3c. State Operating Appropriations for Higher Education per Capita, 2002

	Rank Among 50 States	State Operating Appropriations for Higher Education Per Capita (\$)
North Carolina	6	\$298.4
Minnesota	10	\$278.1
Kentucky	13	\$266.8
Illinois	22	\$234.2
Michigan	25	\$227.6
<b>Nation</b>		<b>\$225.5</b>
New Jersey	32	\$211.6
Georgia	34	\$202.7
<b>Ohio</b>	<b>35</b>	<b>\$193.9</b>
Pennsylvania	45	\$165.6

### 3d. State Operating Appropriations for Higher Education per \$1,000 of Personal Income, 2002

	Rank Among 50 States	State Operating Appropriations for Higher Education \$1,000 Personal Income (\$)	Change from 1998
North Carolina	8	\$10.7	-1.6%
Kentucky	7	\$10.7	1.4%
Minnesota	20	\$8.4	-1.5%
Michigan	24	\$7.7	0.1%
<b>Nation</b>		<b>\$7.5</b>	<b>-0.6%</b>
Illinois	31	\$7.1	0.0%
Georgia	30	\$7.1	-1.1%
<b>Ohio</b>	<b>38</b>	<b>\$6.7</b>	<b>-0.4%</b>
New Jersey	42	\$5.5	0.1%
Pennsylvania	43	\$5.4	-0.3%

**4a. Percent of Family Income Needed to Pay for  
Public 4-year College, 2001**

	Rank Among 50 States	Percentage of Family Income Needed to Pay for College at Public 4-Year Institutions (%)
Pennsylvania	4	29.6%
<b>Ohio</b>	<b>7</b>	<b>28.9%</b>
New Jersey	10	27.5%
Michigan	14	25.6%
<b>Nation</b>		<b>24.2%</b>
Illinois	25	23.0%
North Carolina	41	19.9%
Kentucky	45	18.9%
Georgia	46	18.4%
Minnesota	48	17.5%

**4b. Percent of Family Income Needed to Pay for  
Public 2-year College, 2001**

	Rank Among 50 States	Percentage of Family Income Needed to Pay for College at Community Colleges (%)
<b>Ohio</b>	<b>9</b>	<b>24.0%</b>
New Jersey	13	22.0%
Pennsylvania	17	21.5%
<b>Nation</b>		<b>20.3%</b>
Michigan	24	19.8%
Illinois	33	18.7%
North Carolina	36	18.4%
Georgia	38	18.0%
Kentucky	43	17.2%
Minnesota	48	16.3%

#### 4c. Median Family Income, 1999

	Rank Among 50 States	Median Family Income 1999 (\$)	Percent Change in Median Family Income 1989- 1999 (%)
New Jersey	2	\$65,370	37.4%
Minnesota	8	\$56,874	54.1%
Illinois	10	\$55,545	43.7%
Michigan	14	\$53,457	45.9%
<b>Nation</b>		<b>\$50,046</b>	<b>42.1%</b>
<b>Ohio</b>	<b>22</b>	<b>\$50,037</b>	<b>45.7%</b>
Georgia	24	\$49,280	47.0%
Pennsylvania	25	\$49,184	41.1%
North Carolina	31	\$46,335	46.9%
Kentucky	43	\$40,939	51.5%

**5a. College Going Rates of High School Graduates -  
Directly from High School, 2000**

	Rank Among 50 States	Percent of High School Graduates Going Directly to College (%)	Change from 1992 (%)
North Carolina	6	65.4%	15.4%
Minnesota	9	63.9%	10.3%
New Jersey	11	63.6%	2.7%
Pennsylvania	15	61.5%	7.7%
Georgia	16	60.4%	5.3%
Illinois	20	59.8%	-2.3%
Kentucky	25	58.7%	9.8%
Michigan	26	58.7%	1.2%
<b>Nation</b>		<b>56.7%</b>	<b>2.4%</b>
<b>Ohio</b>	<b>30</b>	<b>56.1%</b>	<b>5.8%</b>

**5b. % of 9th Graders Attending College 4 Years Later, 2000**

	Rank Among 50 States	9th Graders Chance for College by Age 19 (%)	College Continuation Rate of High School Graduates (%)
Minnesota	2	53.4%	63.9%
New Jersey	4	51.6%	63.6%
Pennsylvania	11	45.0%	61.5%
Illinois	14	42.4%	59.8%
Michigan	18	39.5%	58.7%
<b>Ohio</b>	<b>22</b>	<b>39.0%</b>	<b>56.1%</b>
North Carolina	27	38.4%	65.4%
Kentucky	28	37.9%	58.7%
<b>Nation</b>		<b>37.5%</b>	<b>56.7%</b>
Georgia	45	31.6%	60.4%

### 5c. Percent of Adults 18 to 64 Attending College, 2000

	Rank Among 50 States	Total Enrollment as a Percent of 18 to 64 Year Olds (%)	Change from 1990 to 2000 (%)
Minnesota	13	9.7%	-0.3%
Illinois	12	9.7%	-0.4%
Michigan	17	9.3%	-0.5%
<b>Nation</b>		<b>8.8%</b>	<b>-0.1%</b>
Pennsylvania	31	8.2%	0.2%
North Carolina	36	7.9%	-0.4%
<b>Ohio</b>	<b>37</b>	<b>7.9%</b>	<b>-0.5%</b>
Kentucky	42	7.4%	-0.4%
Georgia	49	6.6%	0.4%
New Jersey	50	6.4%	-0.2%

**6a. First-Time College Freshmen Returning Their Second Year,  
2001**

	Rank Among 50 States	Percent of First-Time, Full- Time Freshmen Returning the Following Fall Semester (%)	Change from 1990 (%)
Pennsylvania	7	82.2%	-1.6%
New Jersey	10	81.1%	-2.7%
North Carolina	13	80.4%	0.7%
Minnesota	15	79.7%	0.3%
Michigan	19	77.6%	-1.9%
Illinois	24	76.1%	-3.1%
<b>Ohio</b>	<b>28</b>	<b>75.2%</b>	<b>1.7%</b>
<b>Nation</b>		<b>74.1%</b>	<b>-0.9%</b>
Georgia	37	72.7%	-0.2%
Kentucky	43	70.8%	2.3%

**6b. Six-Year Graduation Rates of Bachelor's Students, 2001**

	Rank Among 50 States	Graduation Rate %
Pennsylvania	6	62.1%
New Jersey	12	59.6%
North Carolina	15	57.7%
Illinois	16	57.6%
Michigan	17	56.9%
Minnesota	19	55.2%
<b>Nation</b>		<b>54.0%</b>
<b>Ohio</b>	<b>25</b>	<b>52.8%</b>
Kentucky	41	43.5%
Georgia	44	42.2%

**6c. Three-Year Graduation Rates for Associate Students, 2001**

	Rank Among 50 States	Graduation Rate %
Pennsylvania	6	42.9%
Minnesota	18	36.2%
<b>Nation</b>		<b>29.8%</b>
Georgia	24	28.8%
Kentucky	27	27.9%
Illinois	31	24.4%
<b>Ohio</b>	<b>32</b>	<b>23.9%</b>
North Carolina	38	20.4%
Michigan	44	16.8%
New Jersey	48	13.0%

### 7a. State and Local Taxes per Capita, FY1999

	State and Local Taxes per Capita		State Taxes per Capita		Local Taxes per Capita	
	Amount	Rank Among 50 States	Amount	Rank Among 50 States	Amount	Rank Among 50 States
New Jersey	\$3,878	3	\$2,079	12	\$1,799	2
Minnesota	\$3,599	5	\$2,613	4	\$985	26
Illinois	\$3,131	14	\$1,749	23	\$1,382	5
Michigan	\$3,032	15	\$2,216	7	\$816	36
<b>Nation</b>	<b>\$2,986</b>		<b>\$1,837</b>		<b>\$1,149</b>	
Pennsylvania	\$2,934	18	\$1,800	22	\$1,134	18
<b>Ohio</b>	<b>\$2,869</b>	<b>20</b>	<b>\$1,615</b>	<b>34</b>	<b>\$1,255</b>	<b>10</b>
Georgia	\$2,761	25	\$1,600	37	\$1,161	16
North Carolina	\$2,649	29	\$1,887	17	\$762	38
Kentucky	\$2,464	38	\$1,857	18	\$607	45
Ohio as % of Nation	88.1%		95.0%		77.1%	

**8a. Tuition and State Operating Appropriations for Higher Education per FTE, 1998**

	Rank Among 50 States	Total Tuition and State Operating Appropriations for Public Higher Education Per FTE
Michigan	5	\$10,477
Pennsylvania	6	\$10,430
New Jersey	12	\$9,692
Georgia	15	\$8,643
Minnesota	16	\$8,555
North Carolina	19	\$8,406
<b>Ohio</b>	<b>22</b>	<b>\$8,189</b>
<b>Nation</b>		<b>\$7,714</b>
Illinois	35	\$7,204
Kentucky	39	\$6,816

**8b. "Family Share" of Funding for Higher Education, 1998**

	Rank Among 50 States	Tuition as % of Tuition & State Operating Appropriations for Higher Education
Pennsylvania	4	48.4%
Michigan	9	43.6%
<b>Ohio</b>	<b>11</b>	<b>42.5%</b>
New Jersey	21	34.7%
Kentucky	22	34.3%
<b>Nation</b>		<b>31.2%</b>
Minnesota	32	29.8%
Georgia	41	23.4%
Illinois	44	20.8%
North Carolina	49	18.5%