

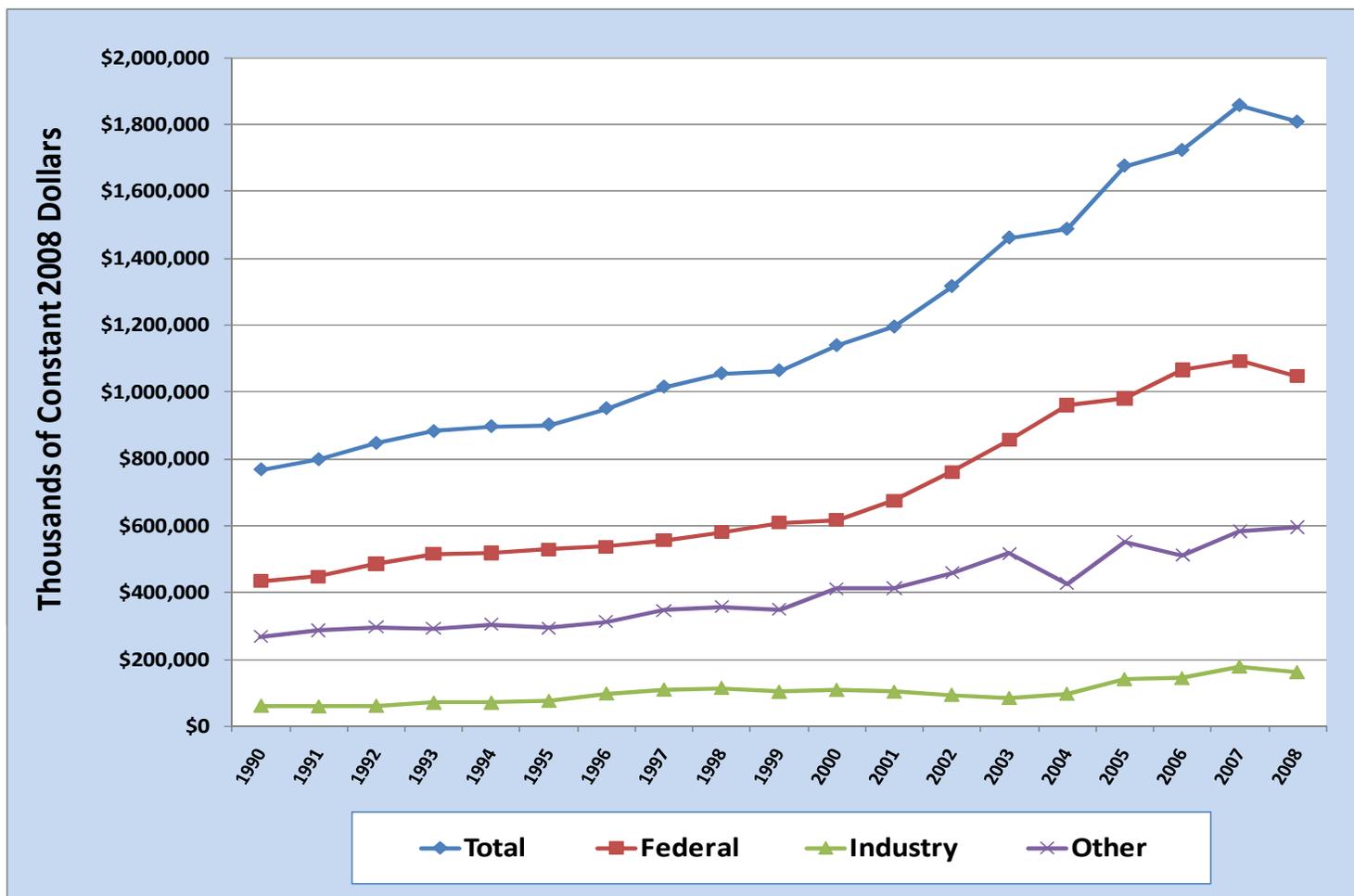
Research Expenditures at Ohio's Public and Private Institutions

FY 1990 to FY 2008



February 2010

**Research Expenditures for Ohio's Public and Private Institutions,
FY 1990 to FY 2008, Converted to Constant 2008 Dollars**



- From 1990 to 2008 total research expenditures at Ohio’s universities increased by 135%, from \$767million in 1990 to \$1.81 billion in 2008.
- Federally-financed research represented 58% of total research expenditures in 2008.
- Industry-financed research increased by the largest percentage, a 159% increase, from \$62.8 million in 1990 to \$162.5 million in 2008. During the same time period, federally-financed research increased by 140% while other sources of research expenditures (state, institution, and other) increased by 122%.

Research Expenditures at Ohio Public and Private Universities

Fiscal Years 1993 to 2008

Institution	Revenue Source of R&D Expenditures	Thousands of Constant 2008 Dollars			
		1993	1998	2003	2008
Public Institutions					
Bowling Green State University	Federal	\$2,503	\$2,655	\$5,090	\$5,918
	Industry	\$187	\$198	\$45	\$2,113
	Other	\$2,402	\$1,586	\$3,393	\$2,681
	Total R&D Expenditures	\$5,092	\$4,438	\$8,528	\$10,712
Central State University	Federal	\$1,888	\$1,497	\$1,232	\$2,376
	Industry	\$365	\$352	\$35	\$111
	Other	\$551	\$110	\$92	\$66
	Total R&D Expenditures	\$2,804	\$1,959	\$1,359	\$2,553
Cleveland State University	Federal	\$7,700	\$4,836	\$4,198	\$5,027
	Industry	\$880	\$1,740	\$689	\$61
	Other	\$5,972	\$8,092	\$11,519	\$9,043
	Total R&D Expenditures	\$14,553	\$14,669	\$16,406	\$14,131
Kent State University	Federal	\$9,446	\$10,796	\$10,786	\$12,476
	Industry	\$230	\$1,120	\$1,054	\$343
	Other	\$8,250	\$4,688	\$5,073	\$10,474
	Total R&D Expenditures	\$17,926	\$16,604	\$16,914	\$23,293
Miami University	Federal	\$3,478	\$3,516	\$5,013	\$10,872
	Industry	\$1,127	\$243	\$766	\$398
	Other	\$2,697	\$5,057	\$10,179	\$13,782
	Total R&D Expenditures	\$7,303	\$8,816	\$15,958	\$25,052
Northeastern Ohio Universities College of Medicine	Federal	\$1,433	\$1,871	\$1,986	\$2,417
	Industry	\$73	\$109	\$140	\$28
	Other	\$1,303	\$1,838	\$2,948	\$6,720
	Total R&D Expenditures	\$2,809	\$3,818	\$5,073	\$9,165
Ohio State University	Federal	\$161,921	\$162,474	\$230,752	\$335,121
	Industry	\$20,260	\$52,861	\$53,427	\$127,604
	Other	\$146,593	\$179,173	\$292,954	\$239,867
	Total R&D Expenditures	\$328,773	\$394,508	\$577,133	\$702,592
Ohio University	Federal	\$7,672	\$13,507	\$23,723	\$18,204
	Industry	\$3,268	\$2,549	\$3,291	\$3,791
	Other	\$12,000	\$12,035	\$16,613	\$16,113
	Total R&D Expenditures	\$22,940	\$28,090	\$43,627	\$38,108

Research Expenditures at Ohio Public and Private Universities

Fiscal Years 1993 to 2008

Institution	Revenue Source of R&D Expenditures	Thousands of Constant 2008 Dollars			
		1993	1998	2003	2008
University of Akron	Federal	\$6,427	\$5,289	\$10,867	\$9,272
	Industry	\$7,307	\$3,620	\$3,539	\$3,247
	Other	\$12,332	\$12,452	\$18,090	\$14,663
	Total R&D Expenditures	\$26,066	\$21,361	\$32,497	\$27,182
University of Cincinnati	Federal	\$85,206	\$118,158	\$215,375	\$221,186
	Industry	\$15,768	\$31,909	\$6,108	\$7,513
	Other	\$36,368	\$58,878	\$73,922	\$115,347
	Total R&D Expenditures	\$137,341	\$208,946	\$295,405	\$344,046
University of Toledo	Federal	\$17,834	\$17,628	\$29,150	\$29,201
	Industry	\$4,270	\$1,694	\$2,330	\$5,159
	Other	\$8,665	\$10,688	\$17,761	\$25,223
	Total R&D Expenditures	\$30,769	\$30,011	\$49,241	\$59,583
Wright State University	Federal	\$14,966	\$14,173	\$21,778	\$21,315
	Industry	\$800	\$1,734	\$4,150	\$2,060
	Other	\$13,615	\$9,838	\$14,598	\$24,395
	Total R&D Expenditures	\$29,381	\$25,744	\$40,526	\$47,770
Youngstown State University	Federal	\$134	\$665	\$954	\$1,059
	Industry	\$43	\$0	\$135	\$63
	Other	\$79	\$510	\$536	\$71
	Total R&D Expenditures	\$255	\$1,175	\$1,625	\$1,193
Public Institution Total	Federal	\$320,608	\$357,063	\$560,904	\$674,444
	Industry	\$54,577	\$98,129	\$75,710	\$152,491
	Other	\$250,827	\$304,946	\$467,679	\$478,445
	Total R&D Expenditures	\$626,013	\$760,138	\$1,104,293	\$1,305,380
Private Institutions					
Antioch University	Federal	\$172			
	Industry	\$0			
	Other	\$22			
	Total R&D Expenditures	\$194			
Case Western Reserve University	Federal	\$136,383	\$173,068	\$238,848	\$305,483
	Industry	\$9,620	\$9,138	\$6,207	\$4,873
	Other	\$39,110	\$48,505	\$46,366	\$105,721
	Total R&D Expenditures	\$185,113	\$230,711	\$291,421	\$416,077

Research Expenditures at Ohio Public and Private Universities

Fiscal Years 1993 to 2008

Institution	Revenue Source of R&D Expenditures	Thousands of Constant 2008 Dollars			
		1993	1998	2003	2008
College of Wooster	Federal	\$224	\$319	\$398	\$150
	Industry	\$33	\$94	\$72	\$0
	Other	\$13	\$9	\$10	\$461
	Total R&D Expenditures	\$270	\$423	\$480	\$611
Denison University	Federal	\$208	\$268	\$443	\$316
	Industry	\$0	\$0	\$8	\$0
	Other	\$413	\$167	\$184	\$79
	Total R&D Expenditures	\$621	\$436	\$635	\$395
John Carroll University	Federal	\$493	\$1,239	\$388	\$374
	Industry	\$30	\$4	\$16	\$31
	Other	\$284	\$43	\$109	\$0
	Total R&D Expenditures	\$806	\$1,286	\$514	\$405
Kenyon College	Federal	\$269	\$106		\$558
	Industry	\$0	\$0		\$0
	Other	\$108	\$63		\$0
	Total R&D Expenditures	\$377	\$169		\$558
Marietta College	Federal	\$186			
	Industry	\$0			
	Other	\$0			
	Total R&D Expenditures	\$186			
Notre Dame College of Ohio	Federal	\$76			
	Industry	\$0			
	Other	\$76			
	Total R&D Expenditures	\$151			
Oberlin College	Federal	\$423	\$746	\$493	\$585
	Industry	\$0	\$0	\$37	\$125
	Other	\$0	\$0	\$17	\$16
	Total R&D Expenditures	\$423	\$746	\$548	\$726
Ohio Wesleyan University	Federal	\$364	\$139	\$236	\$121
	Industry	\$0	\$0	\$0	\$0
	Other	\$45	\$119	\$94	\$118
	Total R&D Expenditures	\$408	\$258	\$330	\$239

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Fiscal Years 1993 to 2008

Institution	Revenue Source of R&D Expenditures	Thousands of Constant 2008 Dollars			
		1993	1998	2003	2008
Union Institute	Federal		\$0		
	Industry		\$0		
	Other		\$1,145		
	Total R&D Expenditures		\$1,145		
University of Dayton	Federal	\$56,908	\$47,533	\$55,020	\$64,515
	Industry	\$7,145	\$8,223	\$3,654	\$4,968
	Other	\$2,830	\$3,122	\$2,875	\$11,792
	Total R&D Expenditures	\$66,883	\$58,878	\$61,549	\$81,275
University of Findlay	Federal			\$134	
	Industry			\$64	
	Other			\$35	
	Total R&D Expenditures			\$233	
Wilberforce University	Federal	\$297	\$309	\$93	\$854
	Industry	\$0	\$0	\$0	\$25
	Other	\$0	\$58	\$0	\$0
	Total R&D Expenditures	\$297	\$366	\$93	\$879
Xavier University	Federal	\$0			
	Industry	\$9			
	Other	\$0			
	Total R&D Expenditures	\$9			
Private Institution Total	Federal	\$196,003	\$223,727	\$296,053	\$372,956
	Industry	\$16,837	\$17,459	\$10,058	\$10,022
	Other	\$42,901	\$53,231	\$49,690	\$118,187
	Total R&D Expenditures	\$255,738	\$294,418	\$355,803	\$501,165

Source: National Science Foundation