

WSU Research & Development (R&D) Expenditures (\$millions): NSF HERD Survey

Higher Education Research & Development

* = Annual percentage change

Fiscal Year	Federal		State		Industry			Institution		All Other	Total R&D			Constant (2021) \$M	internal restate	
	Sub total	*		*	Sub total	Busi - ness	Non Profit	*	Sub total		*	Total R&D	*			S&E Only (CMUP "Total R&D")
1992	38.2		5.1		2.5				31.1		8.2	85.1		85.1	146.4	85.1
1993	43.7	14%	5.5	7%	2.7			11%	32.0	3%	8.5	92.4	9%	92.4	155.2	92.4
1994	45.7	5%	4.2	-23%	3.2			16%	32.6	2%	9.2	94.8	3%	94.8	156.0	94.8
1995	49.0	7%	3.6	-15%	2.5			-19%	32.9	1%	8.6	96.7	2%	96.7	155.8	96.7
1996	48.8	0%	3.0	-15%	3.1			24%	34.0	3%	9.6	98.6	2%	98.6	155.6	98.6
1997	45.0	-8%	3.5	15%	3.1			0%	36.2	6%	9.8	97.7	-1%	97.7	151.5	97.7
1998	44.5	-1%	3.3	-6%	3.2			1%	34.4	-5%	10.0	95.4	-2%	95.4	146.8	95.4
1999	44.6	0%	3.6	9%	3.2			0%	34.6	0%	11.0	96.9	2%	96.9	146.9	96.9
2000	48.4	9%	4.3	20%	4.6			45%	36.3	5%	11.2	104.8	8%	104.8	155.0	104.8
2001	48.7	0%	5.5	27%	4.4			-3%	38.5	6%	10.9	107.9	3%	107.9	156.4	107.9
2002	61.1	26%	5.7	4%	3.9			-13%	67.1	74%	9.0	146.9	36%	146.9	210.2	146.9
2003	70.8	16%	7.2	26%	3.7			-5%	83.6	25%	10.6	175.8	20%	175.2	246.4	175.8
2004	77.5	10%	29.0	303%	3.1			-15%	54.3	-35%	11.2	175.1	0%	171.7	239.7	175.1
2005	81.2	5%	31.1	7%	3.3			7%	50.8	-6%	18.8	185.3	6%	182.7	246.3	185.3
2006	84.8	4%	33.0	6%	2.9			-14%	72.1	42%	10.8	203.5	10%	196.4	263.3	203.5
2007	79.4	-6%	35.6	8%	7.8			171%	81.6	13%	8.9	213.3	5%	210.0	268.9	213.3
2008	97.9	23%	49.5	39%	6.9			-11%	115.8	42%	12.9	283.1	33%	276.8	346.7	277.4
2009	100.6	3%	53.9	9%	9.0			31%	123.5	7%	14.0	301.1	6%	285.6	369.6	293.6
2010	113.5	13%	54.7	2%	21.2	9.4	11.8	134%	111.9	-9%	3.1	304.4	1%	285.1	367.3	298.1
2011	123.5	9%	68.0	24%	25.0	13.0	12.0	18%	101.7	-9%	2.3	320.5	5%	295.2	377.0	291.0
2012	129.3	5%	65.6	-3%	19.9	11.2	8.7	-21%	117.9	16%	3.2	335.9	5%	288.7	388.0	306.2
2013	134.3	4%	58.5	-11%	22.1	14.1	8.0	11%	87.3	-26%	3.3	305.5	-9%	261.5	348.0	305.5
2014	127.0	-5%	49.1	-16%	23.4	15.7	7.7	6%	85.7	-2%	3.6	288.8	-5%	255.2	324.1	288.8
2015	134.9	6%	56.8	16%	22.1	12.5	9.6	-5%	85.6	0%	3.8	303.2	5%	277.8	339.7	303.2
2016	136.6	1%	49.6	-13%	20.6	12.9	7.7	-7%	89.7	5%	5.1	301.6	-1%	275.2	334.7	301.6
2017	152.8	12%	52.7	6%	21.0	11.9	9.1	2%	100.0	12%	4.5	331.1	10%	288.6	360.4	331.1
2018	151.1	-1%	49.1	-7%	22.2	14.6	7.6	6%	104.8	5%	4.2	331.4	0%	289.3	353.5	331.4
2019	159.0	5%	51.4	5%	22.3	14.0	8.3	0%	107.8	3%	4.5	345.0	4%	302.3	362.6	345.0
2020	154.6	-3%	51.6	0%	20.6	13.5	7.1	-8%	104.7	-3%	3.7	335.2	-3%	294.8	348.2	335.2
2021	179.5	16%	48.3	-6%	21.2	9.9	11.3	3%	106.8	2%	1.8	357.6	7%	324.6	357.6	357.6

Notes 50% 14% 6% 30% 0.5% 100% 91%

Major improvement to WSU internal procedures occurred FY2003 and 2008 (FY2002 restated). From 2004, state research appropriation is state, not institutional, expenditure. From 2007, commodity commission expenditure is industry, not state.

Non-science and engineering R&D was not reportable pre-2003; with redesign for FY 2010, Total R&D as reported by NSF now includes both S&E and Non-S&E. From FY 2010, NSF calls out non-WSU non-profit organizations as a funding source.

For FY2020, WSU fixed some problems with estimating cost share for R&D and identifying Foundation support of R&D, and so chose to restate institutional support and total R&D for FY2013-FY2019; restated amounts will agree with published NSF HERD results by Nov22.

For internal purposes, WSU has chosen to restate Total R&D for FY2008-FY2012, as well, but NSF does not support corrections around their redesign for FY2010. Internal totals far right, differ from NSF boxed. All change is in cost share treatment, thus institutional.

Inflation adjustments calculated on PCE Price Index (cf. App. 4.1, Washington Economic & Revenue Forecast (Sep 2022) [cf. www.ercf.wa.gov].

Source: NSF Division of Science Resource Statistics, Higher Education Research and Development (HERD) Survey, annual.