

Department of Defense Spending Chart

Agency/Account	Program Element (PE) (\$ in Thousands)	FY18 Enacted	FY19 PBR	FY19 HASC NDAAs	FY19 SASC NDAAs	FY19 HAC-D	FY19 HAC-D - FY18 Enacted	FY19 SAC-D	FY19 SAC-D - FY18 Enacted
	DOD RDT&E	\$88,308,133	\$90,616,098	\$91,971,150	\$92,216,538	\$91,218,284	3.3%	\$95,131,819	7.7%
	DOD 6.1 Basic Research	\$2,343,154	\$2,269,206	\$2,289,206	\$2,341,706	\$2,298,102	-1.9%	\$2,798,456	19.4%
	DOD 6.2 Applied Research	\$5,681,752	\$5,100,359	\$5,214,859	\$5,154,359	\$5,571,178	-1.9%	\$5,577,344	-1.8%
	DOD 6.3 Advanced Technology Development	\$6,838,098	\$6,292,102	\$6,321,402	\$6,776,202	\$6,564,392	-4.0%	\$7,051,177	3.1%
	DOD Science & Technology (S&T)	\$14,863,004	\$13,661,667	\$13,825,467	\$14,272,267	\$14,433,672	-2.9%	\$15,426,977	3.8%
Army Basic Research Program Elements									
Army RDT&E	Defense Research Sciences	\$273,590	\$276,912	\$276,912	\$289,412	\$266,881	-2.5%	\$377,912	38.1%
Army RDT&E	University Research Initiatives	\$77,027	\$65,283	\$65,283	\$65,283	\$65,283	-15.2%	\$65,283	-15.2%
Army RDT&E	University and Industry Research Centers	\$107,395	\$92,115	\$92,115	\$97,115	\$98,492	-8.3%	\$127,865	19.1%
	Army 6.1 Basic Research	\$470,022	\$445,895	\$445,895	\$463,395	\$442,241	-5.9%	\$582,645	24.0%
Army Applied Research Program Elements									
Army RDT&E	Materials Technology	\$81,640	\$28,600	\$29,600	\$28,600	\$53,600	-34.3%	\$58,600	-28.2%
Army RDT&E	Sensors and Electronic Survivability	\$81,230	\$32,366	\$36,366	\$37,366	\$38,635	-52.4%	\$85,866	5.7%
Army RDT&E	Advanced Weapons Technology	\$37,785	\$29,502	\$29,502	\$29,502	\$39,502	4.5%	\$34,502	-8.7%
Army RDT&E	Advanced Concepts and Simulation	\$28,650	\$28,500	\$28,500	\$38,500	\$28,500	-0.5%	\$28,500	-0.5%
Army RDT&E	Human Factors Engineering Technology	\$24,127	\$24,131	\$24,131	\$26,631	\$22,751	-5.7%	\$26,631	10.4%
Army RDT&E	Computer and Software Technology	\$14,041	\$14,958	\$14,958	\$14,958	\$14,958	6.5%	\$14,958	6.5%
Army RDT&E	High Performance Computing Modernization	\$221,331	\$183,322	\$188,332	\$188,322	\$183,322	-17.2%	\$218,322	-1.4%
	Army 6.2 Applied Research	\$1,369,382	\$919,609	\$934,609	\$929,609	\$1,324,701	-3.3%	\$1,166,109	-14.8%
	Army 6.3 Advanced Technology Development	\$1,478,677	\$1,026,698	\$1,041,698	\$1,129,698	\$1,159,984	-21.6%	\$1,494,535	1.1%
	Army Science & Technology (S&T)	\$3,318,081	\$2,392,202	\$2,422,202	\$2,522,702	\$2,926,926	-11.8%	\$3,243,289	-2.3%
Navy Basic Research Program Elements									
Navy RDT&E	University Research Initiatives	\$144,130	\$119,433	\$129,433	\$124,433	\$141,433	-1.9%	\$154,433	7.1%
Navy RDT&E	Defense Research Sciences	\$458,333	\$458,708	\$458,708	\$468,708	\$458,708	0.1%	\$564,208	23.1%
	Navy 6.1 Basic Research	\$621,901	\$597,378	\$607,378	\$612,378	\$619,378	-0.4%	\$737,878	18.6%
Navy Applied Research Program Elements									
Navy RDT&E	Marine Corps Land Force Technology	\$55,936	\$59,607	\$59,607	\$59,607	\$56,212	0.5%	\$66,607	19.1%
Navy RDT&E	Common Picture Applied Research	\$36,450	\$36,348	\$41,348	\$36,348	\$36,348	-0.3%	\$36,348	-0.3%
Navy RDT&E	Warfighter Sustainment Applied Research	\$48,649	\$56,197	\$56,197	\$48,697	\$59,217	21.7%	\$61,282	26.0%
Navy RDT&E	Electromagnetic Systems Applied Research	\$85,598	\$83,800	\$83,800	\$83,800	\$76,623	-10.5%	\$83,800	-2.1%
Navy RDT&E	Ocean Warfighting Environmental Applied Research	\$74,911	\$42,998	\$42,998	\$42,998	\$57,998	-22.6%	\$79,998	6.8%
Navy RDT&E	Future Naval Capabilities Applied Research	\$149,836	\$147,771	\$147,771	\$147,771	\$132,993	-11.2%	\$147,771	-1.4%
Navy RDT&E	Manufacturing Technology Program	\$67,797	\$58,657	\$58,657	\$58,657	\$58,657	-13.5%	\$58,657	-13.5%
Navy RDT&E	Advanced Undersea Prototyping	\$66,543	\$87,669	\$87,669	\$87,669	\$72,169	8.5%	\$112,669	69.3%
	Navy 6.2 Applied Research	\$994,110	\$891,471	\$949,971	\$911,471	\$889,198	-10.6%	\$1,027,056	3.3%
	Navy 6.3 Advanced Technology Development	\$816,707	\$750,995	\$770,995	\$745,495	\$742,253	-9.1%	\$901,810	10.4%
	Navy Science & Technology (S&T)	\$2,432,718	\$2,239,844	\$2,328,344	\$2,269,344	\$2,250,829	-7.5%	\$2,666,744	9.6%
Air Force Basic Research Program Elements									
Air Force RDT&E	Defense Research Sciences	\$342,919	\$348,322	\$348,322	\$358,322	\$348,322	1.6%	\$448,322	30.7%
Air Force RDT&E	University Research Initiatives	\$162,923	\$154,991	\$154,991	\$154,991	\$154,991	-4.9%	\$179,991	10.5%
Air Force RDT&E	High Energy Laser Research Initiatives	\$14,417	\$14,506	\$14,506	\$17,006	\$13,056	-9.4%	\$14,506	0.6%
	Air Force 6.1 Basic Research	\$520,259	\$517,819	\$517,819	\$530,319	\$516,369	-0.7%	\$642,819	23.6%
Air Force Applied Research Program Elements									
Air Force RDT&E	Materials	\$149,264	\$125,373	\$141,373	\$129,373	\$150,373	0.7%	\$161,373	8.1%
Air Force RDT&E	Human Effectiveness Applied Research	\$133,284	\$112,518	\$112,518	\$112,518	\$117,518	-11.8%	\$114,018	-14.5%
Air Force RDT&E	Aerospace Sensors	\$159,282	\$166,534	\$166,534	\$159,034	\$166,534	4.6%	\$171,534	7.7%
Air Force RDT&E	Directed Energy Technology	\$132,993	\$141,898	\$141,898	\$145,898	\$141,898	6.7%	\$141,898	6.7%
Air Force RDT&E	Dominant Information Sciences and Methods	\$194,318	\$162,420	\$172,420	\$162,420	\$172,420	-11.3%	\$175,420	-9.7%
Air Force RDT&E	High Energy Laser Research	\$43,049	\$43,359	\$43,359	\$55,859	\$43,359	0.7%	\$45,859	6.5%
	Air Force 6.2 Applied Research	\$1,434,714	\$1,312,342	\$1,353,342	\$1,358,842	\$1,384,342	-3.5%	\$1,430,342	-0.3%
	Air Force 6.3 Advanced Technology Development	\$869,117	\$814,797	\$868,097	\$862,297	\$865,797	-0.4%	\$919,097	5.8%
	Air Force Science & Technology (S&T)	\$2,824,090	\$2,644,958	\$2,739,258	\$2,751,458	\$2,766,508	-2.0%	\$2,992,258	6.0%
Defense-Wide Basic Research Program Elements									
Defense-Wide RDT&E	DTRA Basic Research Initiatives	\$37,201	\$37,023	\$37,023	\$37,023	\$37,023	-0.5%	\$37,023	-0.5%

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Defense-Wide RDT&E	Basic Research Initiatives	\$40,612	\$42,702	\$42,702	\$52,702	\$44,702	10.1%	\$54,702	34.7%
Defense-Wide RDT&E	National Defense Education Program	\$103,298	\$85,919	\$85,919	\$85,919	\$85,919	-16.8%	\$200,919	94.5%
	<i>Defense-Wide 6.1 Basic Research</i>	<i>\$730,972</i>	<i>\$708,114</i>	<i>\$718,114</i>	<i>\$735,614</i>	<i>\$720,114</i>	<i>-1.5%</i>	<i>\$835,114</i>	<i>14.2%</i>
Defense-Wide Applied Research Program Elements									
Defense-Wide RDT&E	Cyber Security Research	\$14,775	\$14,969	\$14,696	\$14,969	\$14,696	-0.5%	\$14,969	1.3%
Defense-Wide RDT&E	Defense-Wide Manufacturing S&T Program	\$186,159	\$114,637	\$114,637	\$121,637	\$114,637	-38.4%	\$159,887	-14.1%
Defense-Wide RDT&E	Engineering Science and Technology	\$25,395	\$19,415	\$19,415	\$19,415	\$19,415	-23.5%	\$19,415	-23.5%
	<i>Defense-Wide 6.2 Applied Research</i>	<i>\$1,883,546</i>	<i>\$1,976,937</i>	<i>\$1,976,937</i>	<i>\$1,954,437</i>	<i>\$1,972,937</i>	<i>4.7%</i>	<i>\$1,953,837</i>	<i>3.7%</i>
	<i>Defense-Wide 6.3 Advanced Technology Development</i>	<i>\$3,673,597</i>	<i>\$3,699,612</i>	<i>\$3,640,612</i>	<i>\$4,038,712</i>	<i>\$3,796,358</i>	<i>3.3%</i>	<i>\$3,735,735</i>	<i>1.7%</i>
	<i>Defense-Wide Science & Technology (S&T)</i>	<i>\$6,288,115</i>	<i>\$6,384,663</i>	<i>\$6,335,663</i>	<i>\$6,728,763</i>	<i>\$6,489,409</i>	<i>3.2%</i>	<i>\$6,524,686</i>	<i>3.8%</i>
DARPA Program Elements									
<i>Defense-Wide DARPA</i>	<i>DARPA Total</i>	<i>\$3,071,586</i>	<i>\$3,438,766</i>	<i>\$3,432,766</i>	<i>\$3,123,136</i>	<i>\$3,388,766</i>	<i>10.3%</i>	<i>\$3,446,639</i>	<i>12.2%</i>
Medical Research Program Elements									
Army RDT&E	Medical Technology	\$89,434	\$90,075	\$90,075	\$90,075	\$47,566	-46.8%	\$90,075	0.7%
Army RDT&E	Medical Advanced Technology	\$106,780	\$62,496	\$62,469	\$62,496	\$101,496	-4.9%	\$70,496	-34.0%
Army RDT&E	Medical Systems Advanced Development	\$33,491	\$34,284	\$34,284	\$34,284	\$34,284	2.4%	\$37,284	11.3%
DHP RDT&E	Research, Development, Test and Evaluation Research	\$9,796	\$11,386	\$11,386	\$11,386	\$11,386	16.2%	\$11,386	16.2%
DHP RDT&E	Exploratory Development	\$64,881	\$75,010	\$75,010	\$75,010	\$75,010	15.6%	\$75,010	15.6%
DHP RDT&E	Undistributed Medical Research/Peer-Reviewed/CDMRPs	\$1,386,100	\$0	N/A	N/A	\$752,600	-45.7%	\$963,200	-30.5%