



Table 4-18

Federal laboratory technology transfer activity indicators, total and for selected agencies: FYs 2006, 2009, and 2012

(Number)

Technology transfer activity	All federal laboratories	DOD	HHS	DOE	NASA	USDA	DOC
FY 2012							
Invention disclosures and patenting							
Inventions disclosed	5,149	1,037	252	1,661	1,582	160	52
Patent applications	2,346	888	222	780	139	122	21
Patents issued	1,808	667	372	483	136	70	12
Licensing							
All licenses, total active in the FY	13,405	520	1,465	5,328	4,870	384	41
Invention licenses	4,029	432	1,090	1,428	434	341	41
Other intellectual property licenses	9,376	88	375	3,900	4,436	43	0
Collaborative relationships for R&D							
CRADAs, total active in the FY	8,812	2,400	377	742	0	257	2,934
Traditional CRADAs	4,288	1,328	245	742	0	180	156
Other collaborative R&D relationships	21,677	0	0	0	4,245	14,351	2,782
FY 2009							
Invention disclosures and patenting							
Inventions disclosed	4,452	831	389	1,439	1,412	143	41
Patent applications	1,957	690	156	775	141	123	20
Patents issued	1,319	404	397	363	93	24	7
Licensing							
All licenses, total active in the FY	12,596	432	1,584	5,742	4,181	330	40
Invention licenses	3,851	386	1,304	1,452	146	302	40
Other intellectual property licenses	8,745	46	280	4,290	4,035	28	0
Collaborative relationships for R&D							
CRADAs, total active in the FY	7,756	2,870	457	744	1	259	2,397
Traditional CRADAs	4,296	2,247	284	744	1	207	101
Other collaborative R&D relationships	17,649	1	0	0	4,507	10,306	2,828
FY 2006							
Invention disclosures and patenting							



Technology transfer activity	All federal laboratories	DOD	HHS	DOE	NASA	USDA	DOC
Inventions disclosed	5,193	1,056	442	1,694	1,749	105	14
Patent applications	1,912	691	166	726	142	83	5
Patents issued	1,284	472	164	438	85	39	7
Licensing							
All licenses, total active in the FY	10,186	444	1,535	5,916	2,856	332	111
Invention licenses	4,163	438	1,213	1,420	308	332	111
Other intellectual property licenses	6,023	6	322	4,496	2,548	0	0
Collaborative relationships for R&D							
CRADAs, total active in the FY	7,268	2,999	164	631	1	195	3,008
Traditional CRADAs	3,666	2,424	92	631	1	163	149
Other collaborative R&D relationships	9,738	0	0	0	4,275	3,477	2,114

CRADA = Cooperative R&D Agreement; DOC = Department of Commerce; DOD = Department of Defense; DOE = Department of Energy; HHS = Department of Health and Human Services; NASA = National Aeronautics and Space Administration; USDA = U.S. Department of Agriculture.

NOTES: Other federal agencies not listed but included in the All federal laboratories totals are Department of Homeland Security, Department of the Interior, Department of Transportation, Department of Veterans Affairs, and Environmental Protection Agency. Invention licenses refer to inventions that are patented or could be patented. Other intellectual property refers to intellectual property protected through mechanisms other than a patent (e.g., copyright). Total CRADAs refers to all agreements executed under CRADA authority (15 USC 3710a). Traditional CRADAs are collaborative R&D partnerships between a federal laboratory and one or more nonfederal organizations. Federal agencies have varying authorities for other kinds of collaborative R&D relationships.

SOURCE: National Institute of Standards and Technology, U.S. Department of Commerce, *Federal Laboratory Technology Transfer, Fiscal Year 2012 Summary Report to the President and the Congress*, December 2014, <http://nist.gov/tpo/publications/upload/Federal-Laboratory-TT-Report-FY2012.pdf>. See appendix table 4-26. *Science and Engineering Indicators 2016*