TABLE 8-3 III

Federal laboratory technology transfer activity indicators, by selected agencies: FYs 2006, 2009, 2012, 2014

(Number of activities)

Fiscal year	Technology transfer activity	All federal laboratories	DOD	HHS	DOE	NASA	USDA	DOC	DHS	
2014	Invention disclosures and patenting									
	Inventions disclosed	5,103	963	351	1,588	1,683	117	47	3	
	Patent applications	2,609	916	216	1,144	146	119	25		
	Patents issued	1,931	670	335	693	117	83	18		
	Licensing									
	All licenses, total active in the fiscal year	20,822	527	1,555	5,861	2,381	414	41	10,31	
	Invention licenses	3,956	425	1,186	1,560	253	363	41		
	Other intellectual property licenses	16,866	102	369	4,301	2,128	51	0	10,31	
	Collaborative relationships for R&D									
	CRADAs, total active in the fiscal year	9,180	2,762	532	704	0	267	2,359	15	
	Traditional CRADAs	4,891	2,281	378	704	0	193	206	12	
	Other collaborative R&D relationships	27,182	581	154	0	6,058	17,005	3,031	3	
2012	Invention disclosures and patenting									
	Inventions disclosed	5,350	1,078	352	1,661	1,642	160	52	4	
	Patent applications	2,361	1,013	233	780	131	122	21	1	
	Patents issued	2,228	1,048	453	483	129	69	3		
	Licensing									
	All licenses, total active in the fiscal year	11,452	520	1,465	5,328	3,013	384	41	52	
	Invention licenses	3,882	432	1,090	1,428	284	341	41		
	Other intellectual property licenses	7,660	88	375	3,900	2,729	43	0	52	
	Collaborative relationships for R&D									
	CRADAs, total active in the fiscal year	8,307	2,400	377	742	0	274	2,410	9	
	Traditional CRADAs	4,292	1,328	245	742	0	211	153	8	

OHAL SCIE
* N3 *
Hational Enlance Exact
A 14.00 >
0, ,0

Fiscal year	Technology transfer activity	All federal laboratories	DOD	HHS	DOE	NASA	USDA	DOC	DH	
	Other collaborative R&D relationships	24,717	0	0	0	5,749	15,878	2,782	1	
2009	Invention disclosures and patenting									
	Inventions disclosed	4,452	831	389	1,439	1,412	143	41	3	
	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 fiscal year	12,598	432	1,584	5,742	4,181	330	40	6	
	Invention licenses	3,854	386	1,304	1,452	146	302	40	2	
	Other intellectual property licenses	8,744	46	280	4,290	4,035	28	0	,	
	Collaborative relationships for R&D									
	CRADAs, total active in the fiscal year	7,756	2,870	457	744	1	259	2,397	2	
	Traditional CRADAs	4,296	2,247	284	744	1	207	101	2	
	Other collaborative R&D relationships	17,649	1	0	0	4,507	10,306	2,828		
	Invention disclosures and patenting									
	Inventions disclosed	5,193	1,056	442	1,694	1,749	105	14	Ν	
2006	Patent applications	1,912	691	166	726	142	83	5	Ν	
	Patents issued	1,284	472	164	438	85	39	7	Ν	
	Licensing									
	All licenses, total active in the fiscal year	10,186	444	1,535	5,916	2,856	332	111	Ν	
	Invention licenses	4,163	438	1,213	1,420	308	332	111	Ν	
	Other intellectual property licenses	6,023	6	322	4,496	2,548	0	0	Ν	
	Collaborative relationships for R&D									
	CRADAs, total active in the fiscal year	7,268	2,999	164	631	1	195	3,008	٨	
	Traditional CRADAs	3,666	2,424	92	631	1	163	149	N	
	Other collaborative R&D relationships	9,738	0	0	0	4,275	3,477	2,114	N	

NA = not available.

CRADA = Cooperative R&D Agreement; DHS = Department of Homeland Security; 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 = Department of Agriculture.

Note(s)

The table includes seven federal departments and agencies that reported R&D obligations at or above \$1 billion in FY 2014. (The National Science Foundation was also in this group, but its corresponding data were not available.) Other federal agencies not listed but included in the All federal laboratories totals are the 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). CRADAs refers to all agreements executed under CRADA authority (15 U.S.C. 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(s)

National Institute of Standards and Technology, U.S. Department of Commerce, *Federal Laboratory Technology Transfer*, *Fiscal Year 2014: Summary Report to the President and the Congress* (2016), https://www.nist.gov/sites/default/files/documents/2016/10/26/fy2014_federal_tech_transfer_report.pdf. See Appendix Table 4-30.

Science and Engineering Indicators 2018