

## The NIH's Funding to US Dental Institutions from 2005 to 2014

C.L. Ferland, M. O'Hayre, W.M. Knosp, C.H. Fox, and D.J. Horsford

### Appendix

Appendix Table 1. A detailed summary of the total project numbers for NIH and for NIDCR included in the dataset.

<i><b>For All NIH</b></i>	<b># Projects</b>
RePORTer search for ALL "Schools of Dentistry" 2005-2014	9430
RePORTer search ONLY Univ. of Rochester non DOCD 2005-2014	-3789
RePORTer search ONLY Univ. of Rochester DOCD Spending Category 2008-2014*	+126
RePORTer search ONLY Forsyth Institute 2005-2014	+237
<b><i>Subtotal of NIH Projects</i></b>	<b>6004</b>
Additional Projects Removed	-14
<b>Final Total NIH</b>	<b>5990</b>
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<i><b>For NIDCR Only</b></i>	
RePORTer search ALL NIDCR "Schools of Dentistry" 2005-2014	4044
RePORTer search ONLY Univ. of Rochester non DOCD 2005-2014	-185
RePORTer search ONLY Univ. of Rochester DOCD Spending Category 2008-2014*	+122
RePORTer search ONLY Forsyth Institute 2005-2014	+194
<b>Total Number of NIDCR Projects</b>	<b>4175</b>

All award data were obtained by performing a full search of NIH funding to US dental institutions from 2005 to 2014 excluding projects funded by the American Recovery and Reinvestment Act (ARRA) of 2009 and 2010 and subprojects. Since RePORT data for the University of Rochester includes all awards to the School of Medicine and Dentistry, the NIH Research, Condition, and Disease Categorization spending category 'Dental/Oral and Craniofacial Disease' (DOCD) was used as a proxy to identify dental-related research awards to the University of Rochester. This dataset is only available for 2008-2014, therefore in all analyses, the awards to Rochester do not include 2005-2007 (\*). We also considered the Forsyth Institute a dental institution, and added 2005-2014 Forsyth awards to the final dataset. Awards from three institutions that no longer have a school of dentistry were removed from the NIH data set (Northwestern University n=11 projects; Georgetown University n=2 projects; Loyola University in Chicago n=1 project).

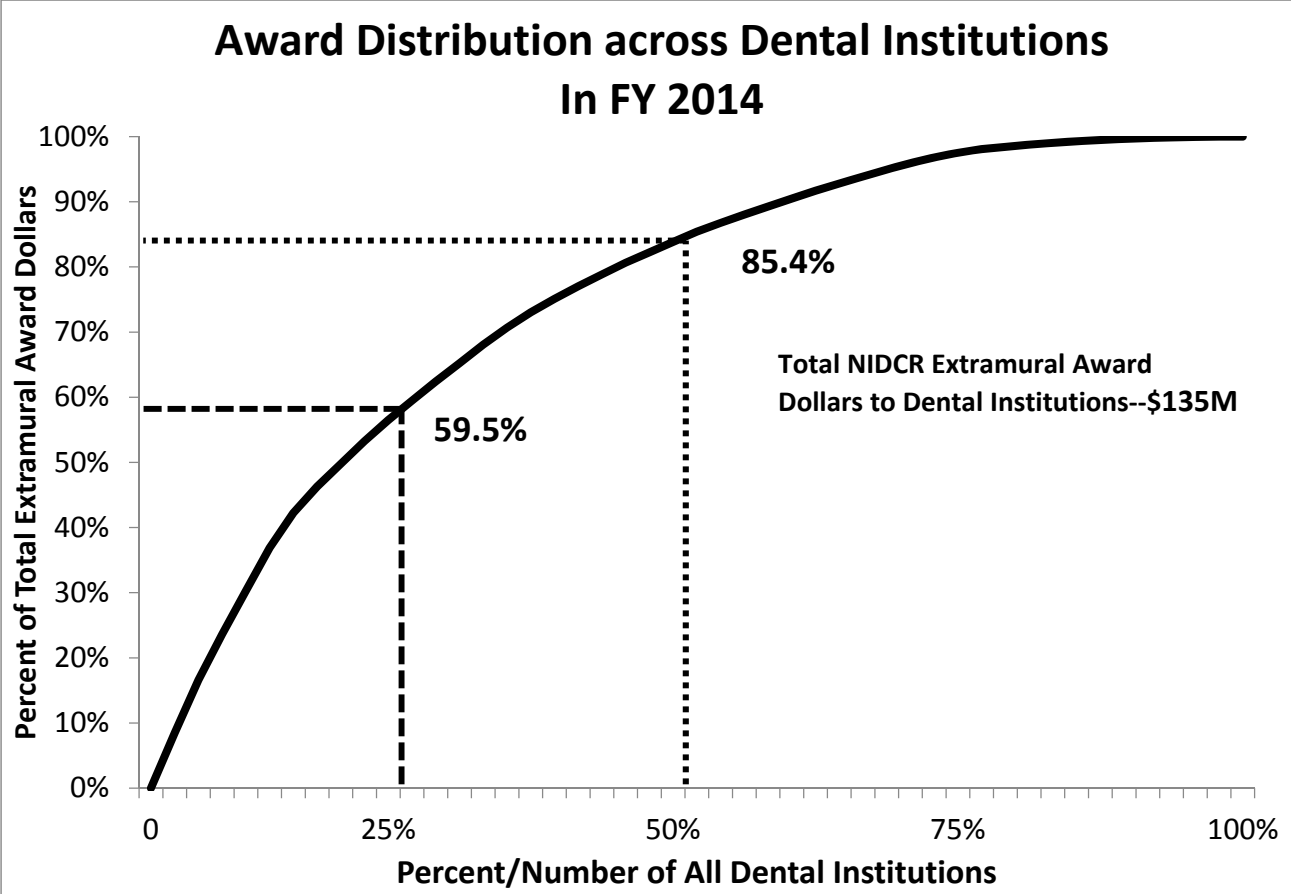
Appendix Table 2. Total 10-year (FY 2005-2014) NIH and NIDCR dollars awarded to dental institutions.

2005-2014

Organization	NIH Rank	NIH Total		NIH RPG	NIH Training	NIDCR Total		% Total Extramural		NIDCR R01	% Total NIH	NIDCR RPG	% Total NIH	NIDCR Training	% Total NIH
		Extramural Award Dollars (\$M)	NIH R01 Award Dollars (\$M)	Award Dollars (\$M)	Award Dollars (\$M)	Extramural Award Dollars (\$M)	NIDCR Rank	Award Dollars from NIDCR	Award Dollars from NIDCR	Award Dollars (\$M)	R01 \$ from NIDCR	Award Dollars (\$M)	RPG \$ from NIDCR	Award Dollars (\$M)	Award Dollars (\$M)
UNIVERSITY OF CALIFORNIA SAN FRANCISCO	1	\$166.35	\$76.46	\$111.86	\$15.71	\$98.17	1	59.0%	\$31.25	40.9%	\$53.25	47.6%	\$15.07	95.9%	
UNIVERSITY OF MICHIGAN AT ANN ARBOR	2	\$124.43	\$84.36	\$104.54	\$12.91	\$97.39	2	78.3%	\$64.80	76.8%	\$81.54	78.0%	\$11.93	92.4%	
FORSYTH INSTITUTE	3	\$102.74	\$58.00	\$94.94	\$4.42	\$88.54	3	86.2%	\$49.31	85.0%	\$84.31	88.8%	\$4.19	94.8%	
UNIVERSITY OF NORTH CAROLINA CHAPEL HILL	4	\$98.32	\$32.71	\$91.02	\$7.29	\$78.13	4	79.5%	\$25.27	77.3%	\$71.21	78.2%	\$6.91	94.8%	
UNIVERSITY OF CALIFORNIA LOS ANGELES	5	\$93.07	\$51.06	\$80.46	\$10.75	\$71.78	6	77.1%	\$36.60	71.7%	\$60.66	75.4%	\$10.48	97.5%	
UNIVERSITY OF FLORIDA	6	\$91.30	\$60.54	\$72.45	\$11.98	\$66.08	9	72.4%	\$43.42	71.7%	\$50.91	70.3%	\$8.31	69.4%	
UNIVERSITY OF MARYLAND BALTIMORE	7	\$89.19	\$58.04	\$79.07	\$7.50	\$37.23	14	41.7%	\$27.43	47.3%	\$30.62	38.7%	\$6.61	88.1%	
NEW YORK UNIVERSITY	8	\$87.36	\$35.88	\$77.42	\$4.35	\$71.13	7	81.4%	\$24.07	67.1%	\$64.45	83.2%	\$4.10	94.3%	
UNIVERSITY OF ALABAMA AT BIRMINGHAM	9	\$83.04	\$21.37	\$74.17	\$6.84	\$74.22	5	89.4%	\$15.09	70.6%	\$65.35	88.1%	\$6.84	100.0%	
UNIVERSITY OF PENNSYLVANIA	10	\$81.93	\$60.39	\$75.83	\$4.52	\$31.76	18	38.8%	\$28.66	47.5%	\$30.55	40.3%	\$1.21	26.8%	
BOSTON UNIVERSITY MEDICAL CAMPUS	11	\$79.71	\$54.77	\$60.54	\$2.81	\$51.95	10	65.2%	\$29.63	54.1%	\$33.12	54.7%	\$2.61	92.9%	
UNIVERSITY OF SOUTHERN CALIFORNIA	12	\$75.40	\$46.02	\$70.13	\$5.10	\$45.34	11	60.1%	\$2.83	6.1%	\$41.66	59.4%	\$3.54	69.4%	
UNIVERSITY OF WASHINGTON	13	\$72.78	\$25.88	\$49.54	\$10.87	\$67.35	8	92.5%	\$22.14	85.5%	\$44.75	90.3%	\$10.87	100.0%	
HARVARD UNIVERSITY	14	\$66.98	\$46.84	\$62.18	\$4.21	\$11.52	33	17.2%	\$5.01	10.7%	\$7.46	12.0%	\$4.06	96.4%	
UNIVERSITY OF MINNESOTA TWIN CITIES	15	\$55.55	\$31.51	\$44.91	\$10.64	\$35.08	15	63.1%	\$14.84	47.1%	\$25.72	57.3%	\$9.36	88.0%	
UNIVERSITY OF CONNECTICUT SCH OF MED/DNT	16	\$53.15	\$36.29	\$42.79	\$8.31	\$31.31	19	58.9%	\$17.01	46.9%	\$20.97	49.0%	\$8.31	100.0%	
UNIVERSITY OF LOUISVILLE	17	\$48.20	\$27.31	\$34.61	\$1.84	\$32.90	17	68.3%	\$25.84	94.6%	\$31.15	90.0%	\$1.74	94.6%	
UNIVERSITY OF ROCHESTER*	18	\$46.91	\$37.11	\$39.95	\$6.55	\$44.59	12	95.1%	\$35.63	96.0%	\$38.05	95.2%	\$6.51	99.4%	
UNIVERSITY OF ILLINOIS AT CHICAGO	19	\$46.12	\$26.64	\$34.80	\$5.78	\$27.77	21	60.2%	\$18.23	68.4%	\$20.20	58.0%	\$5.78	100.0%	
UNIVERSITY OF PITTSBURGH AT PITTSBURGH	20	\$43.83	\$32.20	\$40.68	\$2.81	\$42.08	13	96.0%	\$31.55	98.0%	\$39.64	97.4%	\$2.43	86.5%	
UNIVERSITY OF TEXAS HLTH SCI CENTER SAN ANTONIO	21	\$39.77	\$21.96	\$31.37	\$7.75	\$25.95	24	65.2%	\$11.39	51.9%	\$17.70	56.4%	\$7.60	98.1%	
OHIO STATE UNIVERSITY	22	\$37.32	\$24.92	\$30.23	\$7.09	\$18.08	26	48.4%	\$7.95	31.9%	\$11.03	36.5%	\$7.05	99.4%	
UNIVERSITY OF MISSOURI KANSAS CITY	23	\$35.54	\$14.82	\$29.46	\$5.16	\$16.35	29	46.0%	\$8.97	60.5%	\$11.12	37.7%	\$5.12	99.2%	
UNIVERSITY OF IOWA	24	\$33.61	\$25.69	\$28.82	\$4.79	\$33.61	16	100.0%	\$25.69	100.0%	\$28.82	100.0%	\$4.79	100.0%	
MEDICAL UNIVERSITY OF SOUTH CAROLINA	25	\$31.43	\$4.44	\$8.05	\$4.30	\$12.50	32	39.8%	\$4.03	90.8%	\$6.65	82.6%	\$4.18	97.2%	
STATE UNIVERSITY OF NEW YORK AT BUFFALO	26	\$30.58	\$22.95	\$27.17	\$3.41	\$26.24	22	85.8%	\$20.12	87.7%	\$23.14	85.2%	\$3.10	90.9%	
CASE WESTERN RESERVE UNIVERSITY	27	\$29.63	\$13.31	\$27.01	\$2.61	\$29.63	20	100.0%	\$13.31	100.0%	\$27.01	100.0%	\$2.61	100.0%	
UNIVERSITY OF COLORADO DENVER	28	\$29.31	\$22.30	\$26.85	\$0.92	\$25.97	23	88.6%	\$19.05	85.4%	\$23.58	87.8%	\$0.86	93.5%	
UNIVERSITY OF NEBRASKA MEDICAL CENTER	29	\$26.99	\$8.39	\$9.29	\$0.00	\$5.27	41	19.5%	\$5.27	62.8%	\$5.27	56.7%	\$0.00	n/a	
UNIVERSITY OF KENTUCKY	30	\$24.66	\$2.07	\$3.81	\$0.81	\$4.38	42	17.8%	\$2.07	100.0%	\$3.57	93.7%	\$0.81	100.0%	
TEXAS A&M UNIVERSITY HEALTH SCIENCE CTR	31	\$20.72	\$13.49	\$15.85	\$2.28	\$19.35	25	93.4%	\$13.02	96.5%	\$15.02	94.8%	\$2.28	100.0%	
COLUMBIA UNIVERSITY HEALTH SCIENCES	32	\$20.47	\$16.12	\$18.99	\$1.46	\$12.95	30	63.2%	\$8.85	54.9%	\$11.48	60.5%	\$1.46	100.0%	
RBHS-SCHOOL OF DENTAL MEDICINE (Former UNIV OF MED/DENT OF NJ-NJ DENTAL SCHOOL)	33	\$18.93	\$16.43	\$18.68	\$0.25	\$16.92	27	89.4%	\$15.21	92.6%	\$16.67	89.2%	\$0.25	100.0%	
STATE UNIVERSITY NEW YORK STONY BROOK	34	\$18.88	\$4.99	\$18.11	\$0.77	\$16.66	28	88.2%	\$3.98	79.8%	\$15.89	87.7%	\$0.77	100.0%	
TUFTS UNIVERSITY BOSTON	35	\$18.24	\$15.52	\$18.24	\$0.00	\$12.78	31	70.1%	\$10.48	67.5%	\$12.78	70.1%	\$0.00	n/a	
UNIVERSITY OF TEXAS HLTH SCI CTR HOUSTON	36	\$14.99	\$10.27	\$12.36	\$2.23	\$8.77	35	58.5%	\$4.62	45.0%	\$6.54	52.9%	\$2.23	100.0%	
OREGON HEALTH & SCIENCE UNIVERSITY	37	\$14.29	\$9.90	\$13.35	\$0.05	\$5.38	40	37.6%	\$2.47	24.9%	\$4.74	35.5%	\$0.05	100.0%	
VIRGINIA COMMONWEALTH UNIVERSITY	38	\$11.98	\$9.19	\$10.27	\$1.71	\$9.85	34	82.3%	\$8.17	88.9%	\$8.63	84.0%	\$1.22	71.3%	
LSU HEALTH SCIENCES CENTER	39	\$9.16	\$7.10	\$8.72	\$0.00	\$6.56	38	71.6%	\$5.24	73.8%	\$6.56	75.2%	\$0.00	n/a	
GEORGIA HEALTH SCIENCES UNIVERSITY/GEORGIA REGENTS	40	\$8.90	\$6.58	\$8.22	\$0.68	\$7.85	36	88.2%	\$5.93	90.1%	\$7.17	87.2%	\$0.68	100.0%	
INDIANA UNIV-PURDUE UNIV AT INDIANAPOLIS	41	\$7.75	\$4.80	\$7.43	\$0.29	\$7.28	37	94.0%	\$4.55	94.8%	\$6.96	93.7%	\$0.29	100.0%	
UNIVERSITY OF PUERTO RICO MED SCIENCES	42	\$6.08	\$4.90	\$5.31	\$0.66	\$6.08	39	100.0%	\$4.90	100.0%	\$5.31	100.0%	\$0.66	100.0%	
UNIVERSITY OF OKLAHOMA HLTH SCIENCES CTR	43	\$3.43	\$2.07	\$3.43	\$0.00	\$3.43	43	100.0%	\$2.07	100.0%	\$3.43	100.0%	\$0.00	n/a	
NOVA SOUTHEASTERN UNIVERSITY	44	\$3.30	\$2.77	\$3.30	\$0.00	\$3.30	44	100.0%	\$2.77	100.0%	\$3.30	100.0%	\$0.00	n/a	
UNIVERSITY OF MISSISSIPPI MEDICAL CENTER	45	\$2.50	\$2.38	\$2.50	\$0.00	\$2.50	45	100.0%	\$2.38	100.0%	\$2.50	100.0%	\$0.00	n/a	
UNIVERSITY OF TENNESSEE HEALTH SCI CTR	46	\$2.15	\$1.93	\$2.06	\$0.00	\$0.97	50	44.9%	\$0.75	38.9%	\$0.89	43.2%	\$0.00	n/a	
HOWARD UNIVERSITY	47	\$2.06	\$0.81	\$1.09	\$0.00	\$1.09	48	52.7%	\$0.81	100.0%	\$1.09	100.0%	\$0.00	n/a	
TEMPLE UNIV OF THE COMMONWEALTH	48	\$1.91	\$1.50	\$1.91	\$0.00	\$0.42	51	21.7%	\$0.00	0.0%	\$0.42	22.0%	\$0.00	n/a	
MARQUETTE UNIVERSITY	49	\$1.81	\$0.55	\$1.49	\$0.00	\$1.81	46	100.0%	\$0.55	100.0%	\$1.49	100.0%	\$0.00	n/a	
MEHARRY MEDICAL COLLEGE	50	\$1.51	\$0.68	\$1.51	\$0.00	\$1.51	47	100.0%	\$0.68	100.0%	\$1.51	100.0%	\$0.00	n/a	
CREIGHTON UNIVERSITY	51	\$1.41	\$0.69	\$1.33	\$0.08	\$0.98	49	69.8%	\$0.69	100.0%	\$0.91	68.4%	\$0.08	100.0%	
LOMA LINDA UNIVERSITY	52	\$0.66	\$0.00	\$0.66	\$0.00	\$0.24	54	36.3%	\$0.00	n/a	\$0.24	36.4%	\$0.00	n/a	
UNIVERSITY OF NEVADA LAS VEGAS	53	\$0.36	\$0.00	\$0.36	\$0.00	\$0.36	52	100.0%	\$0.00	n/a	\$0.36	100.0%	\$0.00	n/a	
UNIVERSITY OF UTAH	54	\$0.34	\$0.34	\$0.34	\$0.00	\$0.34	53	100.0%	\$0.34	100.0%	\$0.34	100.0%	\$0.00	n/a	
UNIVERSITY OF THE PACIFIC-STOCKTON	55	\$0.29	\$0.00	\$0.29	\$0.00	\$0.18	55	62.9%	\$0.00	n/a	\$0.18	62.1%	\$0.00	n/a	
WEST VIRGINIA UNIVERSITY	56	\$0.07	\$0.00	\$0.07	\$0.00	\$0.00 n/a		0.0%	\$0.00	n/a	\$0.00	0.0%	\$0.00	n/a	
<b>Totals</b>		<b>\$2,117.41</b>	<b>\$1,197.24</b>	<b>\$1,739.82</b>	<b>\$192.49</b>	<b>\$1,449.86</b>		<b>68.47%</b>	<b>\$764.92</b>		<b>\$1,187.87</b>		<b>\$176.95</b>		
<b>Average Percentage from NIDCR</b>															

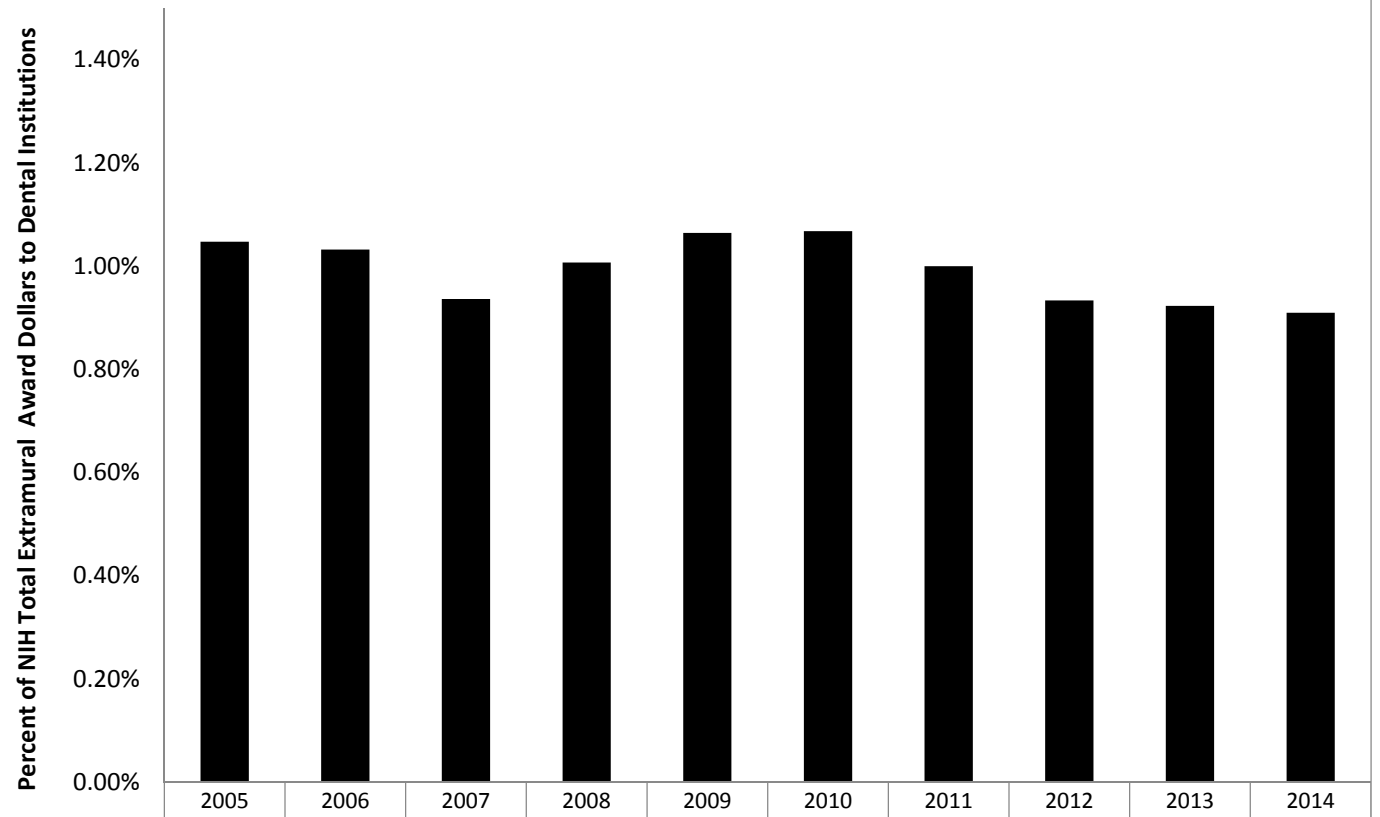
All 56 of the dental institutions in the dataset are listed, including the percent of total NIH extramural award dollars and total extramural award dollars (\$) awarded by NIDCR to each institution, the percentage and total NIH extramural award dollars for selected grant mechanisms awarded by NIDCR, and the overall NIH and NIDCR institutional rankings. Data from the University of Rochester is limited to FY 2008-2014, NIH Dental/Oral and Craniofacial spending category only (\*).





Appendix Figure 1. NIDCR funding distribution across dental institutions. NIDCR funding to dental institutions is broken down by the percentile of total extramural award dollars for FY 2014. A total of 46 institutions received funding from NIDCR in 2014. The dashed line shows the top 25% of those institutions (based on rank for total extramural award dollars from NIDCR) received 59% of the total \$135 million awarded in 2014. The dotted line shows the top 50% of those institutions received 85.4% of the total \$135 million awarded in 2014.

## NIH Awards to Dental Institutions



Percent of NIH Total Extramural Award Dollars	1.05%	1.03%	0.94%	1.01%	1.06%	1.07%	1.00%	0.93%	0.92%	0.91%
Total NIH Extramural Award Dollars (\$M)	\$20,606.27	\$20,442.57	\$21,136.68	\$21,148.33	\$21,674.84	\$22,119.86	\$22,022.85	\$22,160.93	\$20,671.22	\$21,476.83
Total NIH Extramural Award Dollars to Dental Institutions (\$M)	\$215.77	\$210.94	\$197.86	\$212.92	\$230.67	\$236.18	\$220.14	\$206.85	\$190.74	\$195.35

Appendix Figure 2. Percent of NIH’s total extramural research and training award dollars (total award dollars) awarded to US dental institutions (black bars).