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# 2015 Report on Tuberculosis

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## Research Funding Trends, 2005–2014:

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### A Decade of Data

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November 2015

Treatment Action Group

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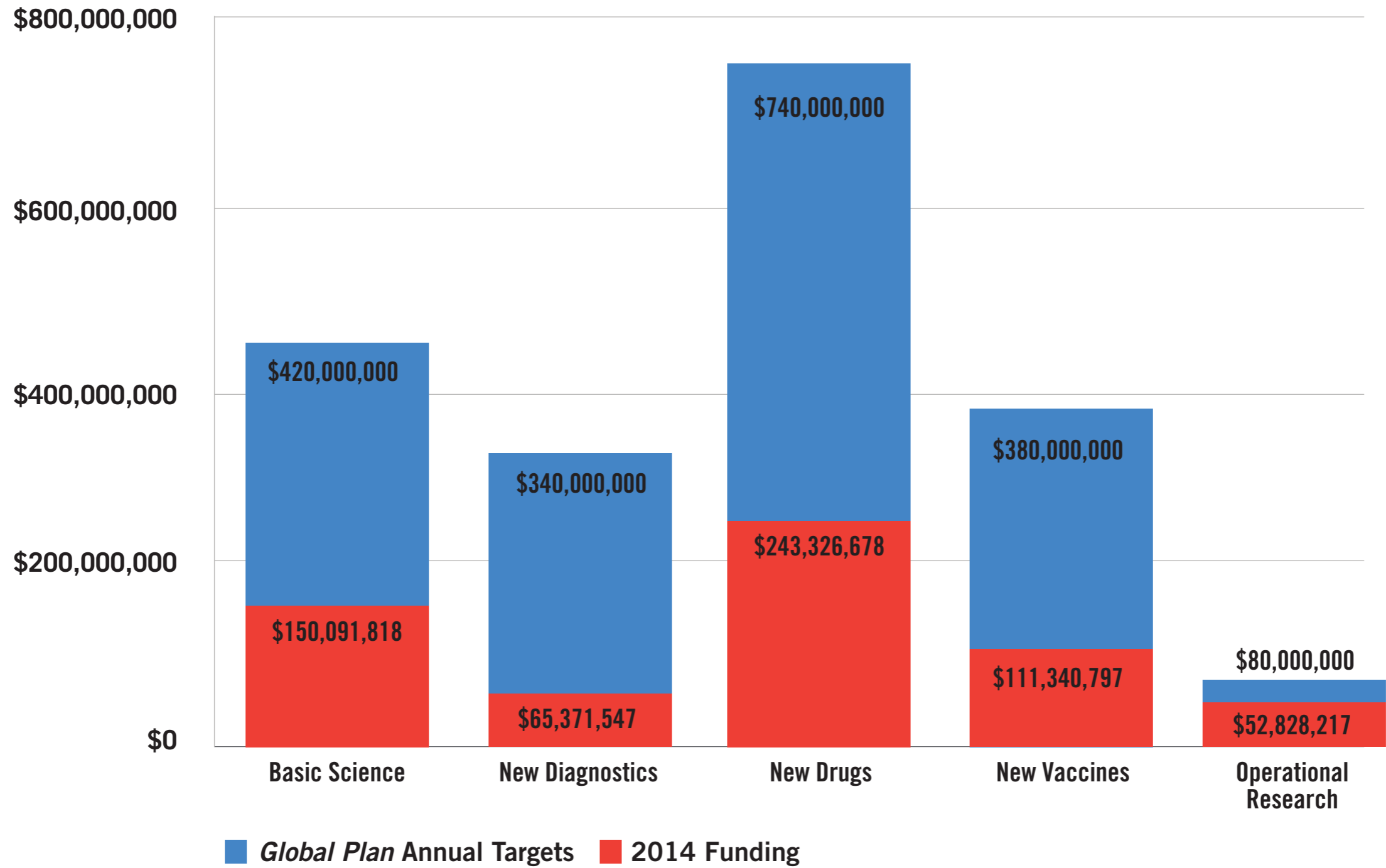


**TABLE 1****Changes in TB R&D Funding, 2005-2014**

<b>YEAR</b>	<b>TOTAL TB R&amp;D INVESTMENT</b>	<b>CHANGE OVER PREVIOUS YEAR</b>	<b>CHANGE OVER PREVIOUS YEAR (%)</b>	<b>CHANGE OVER 2005</b>	<b>CHANGE OVER 2005 (%)</b>
2005	\$358,476,537	N/A	N/A	N/A	N/A
2006	\$418,928,300	\$60,451,763	16.86	\$60,451,763	16.86
2007	\$478,343,421	\$59,415,121	14.18	\$119,866,884	33.44
2008	\$494,576,235	\$16,232,815	3.39	\$136,099,698	37.97
2009	\$636,979,349	\$142,403,113	28.79	\$278,502,812	77.69
2010	\$643,360,390	\$6,381,042	1.00	\$284,883,853	79.47
2011	\$675,328,887	\$31,968,497	4.97	\$316,852,350	88.39
2012	\$638,783,272	-\$36,545,615	-5.41	\$280,306,735	78.19
2013	\$686,303,295	\$47,520,023	7.44	\$327,826,758	91.45
2014	\$674,036,492	-\$12,266,804	-1.79	\$315,559,955	88.03

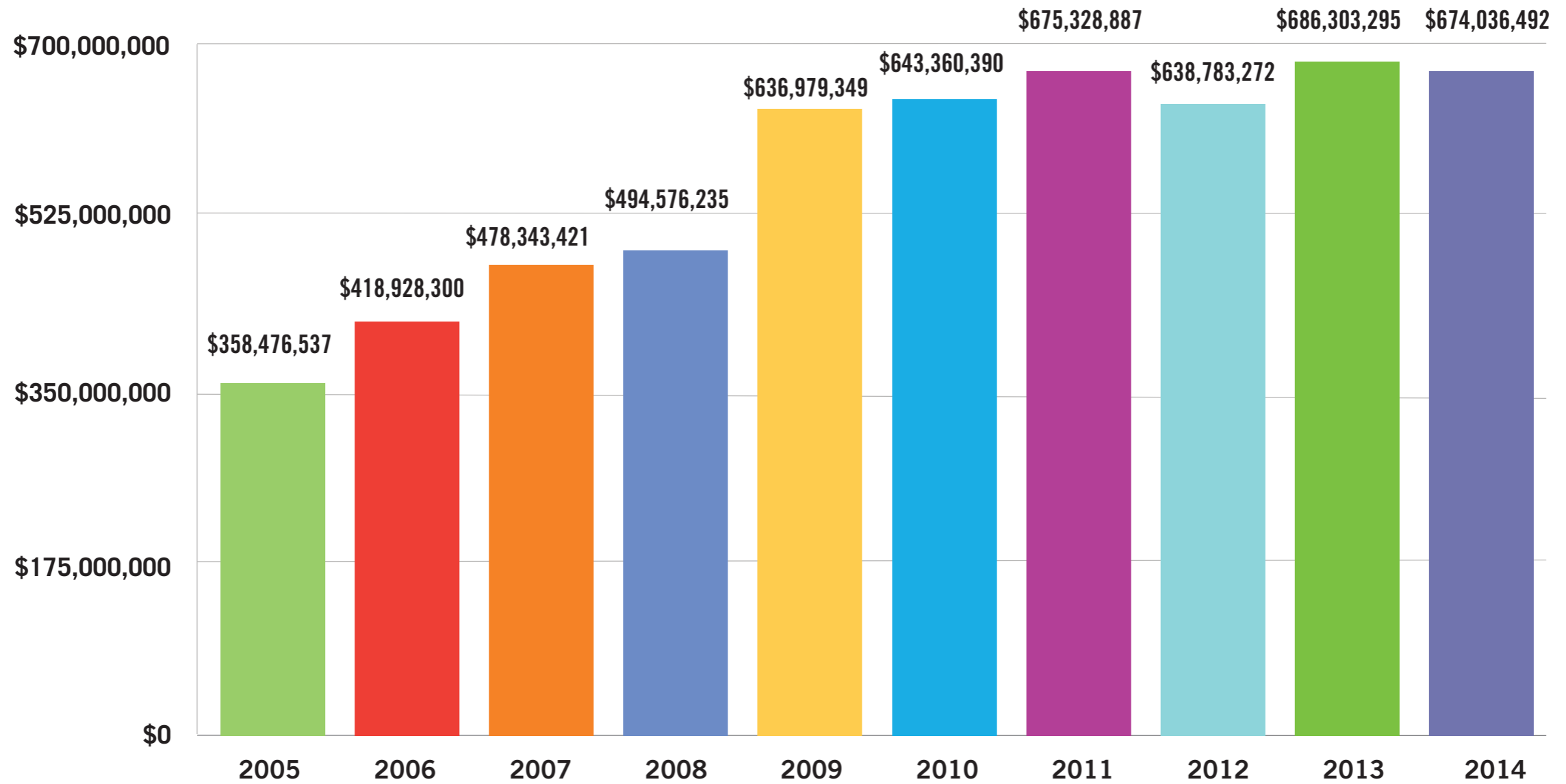
**FIGURE 1**

# Annual *Global Plan* Research Funding Targets versus 2014 Funding



**FIGURE 2**

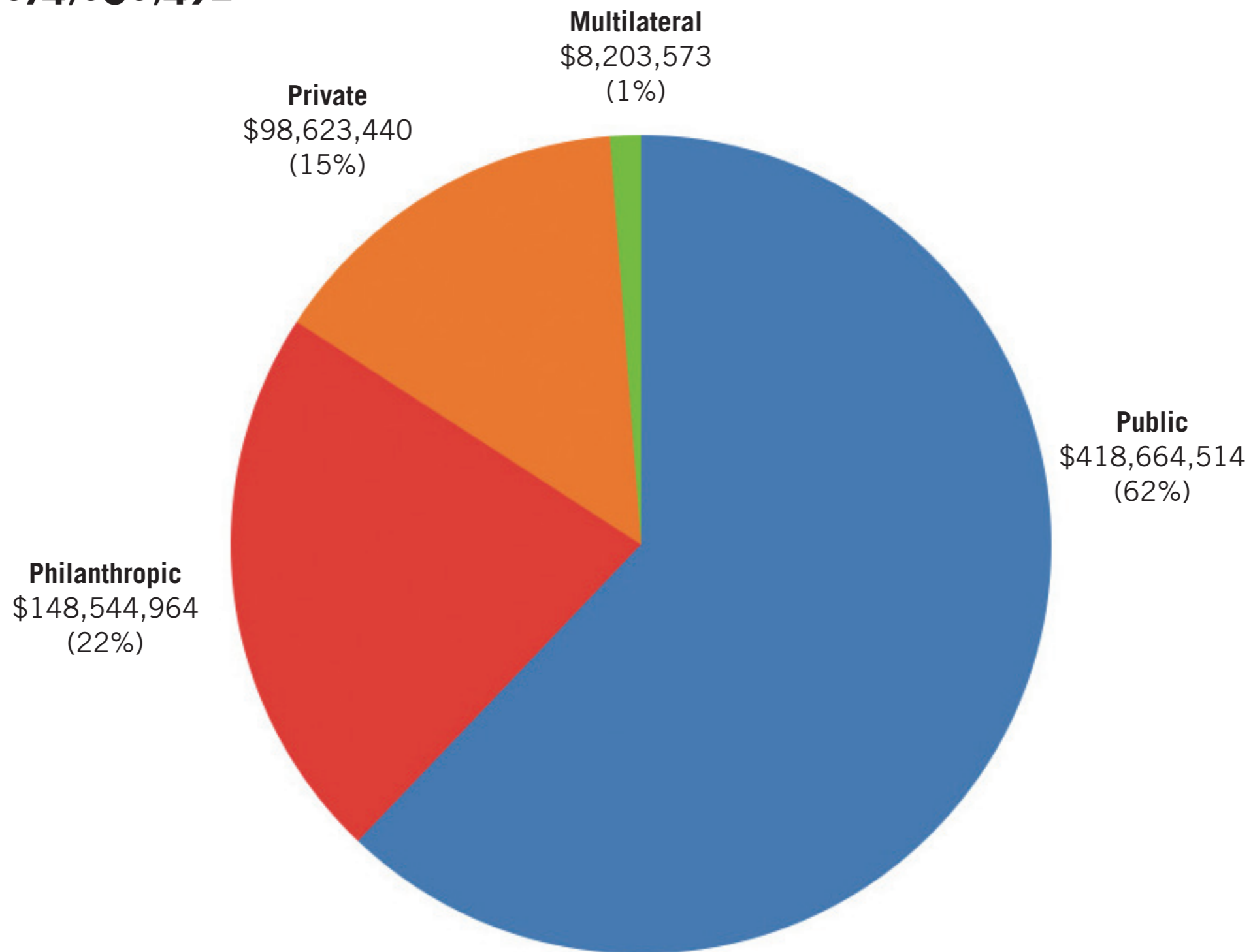
## Total TB R&D Funding, 2005-2014



**FIGURE 3**

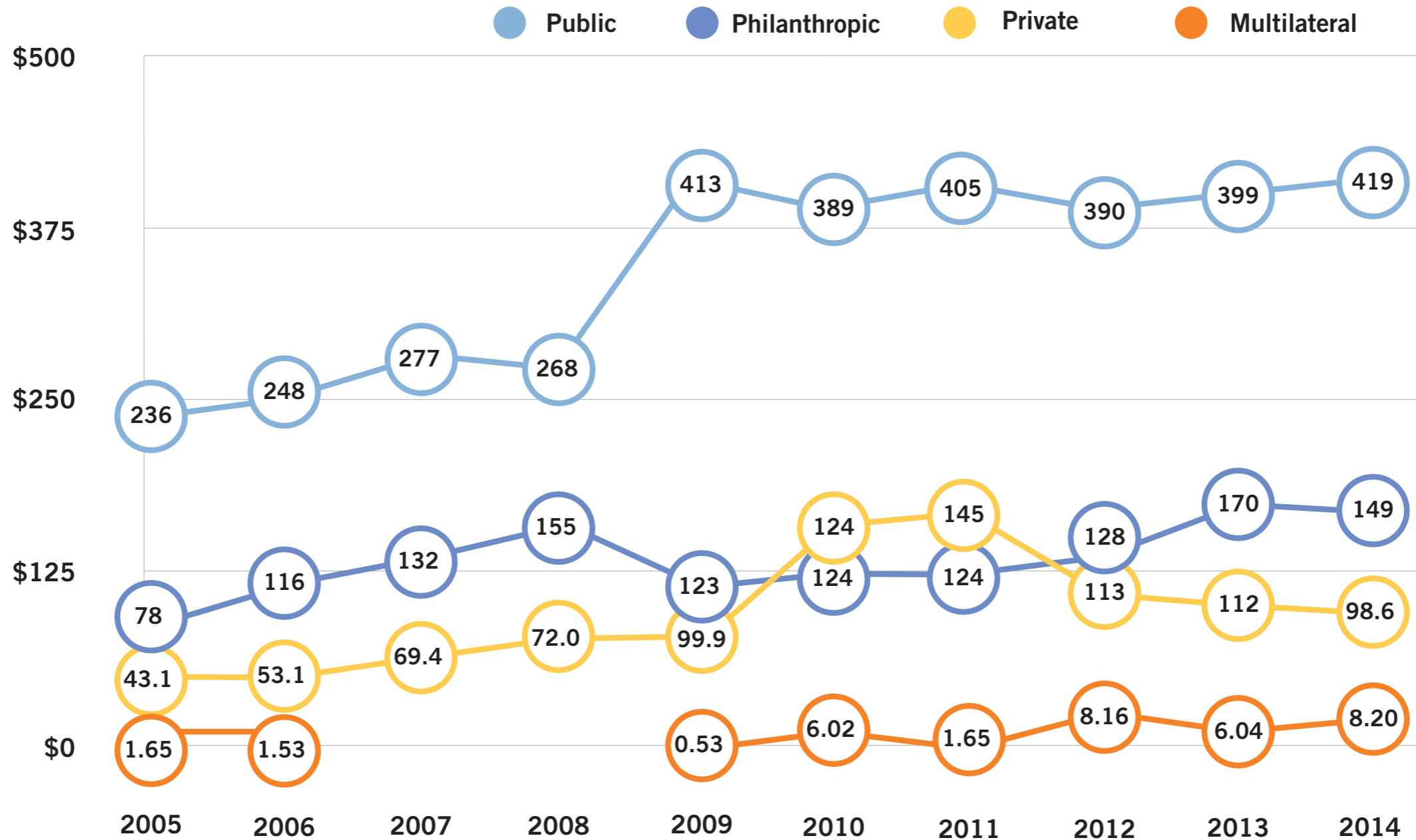
### Total TB R&D Funding by Funder Category, 2014

**Total: \$674,036,492**



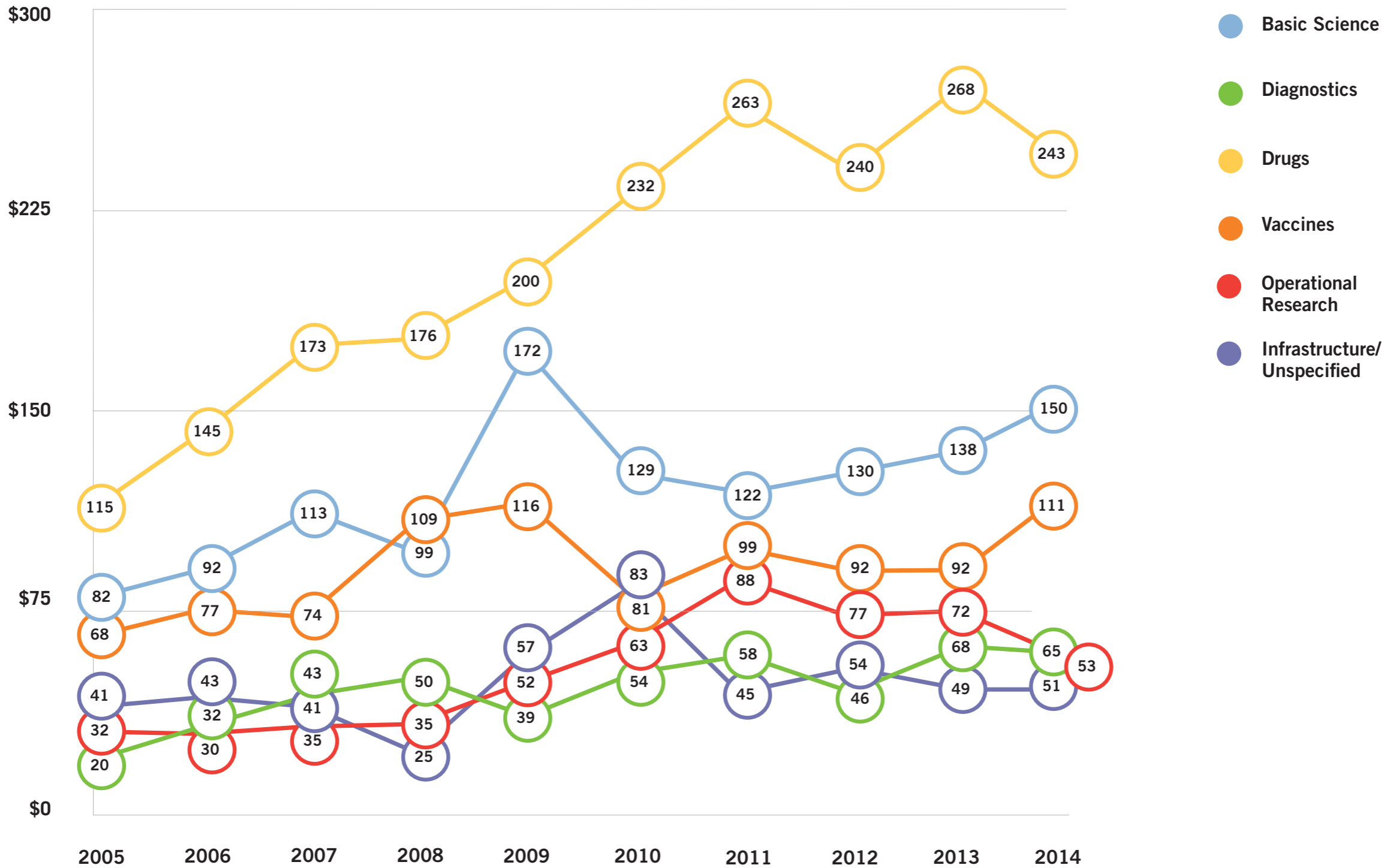
**FIGURE 4**

## Total TB R&D Funding by Funder Category, 2005-2014 (in Millions)



**FIGURE 5**

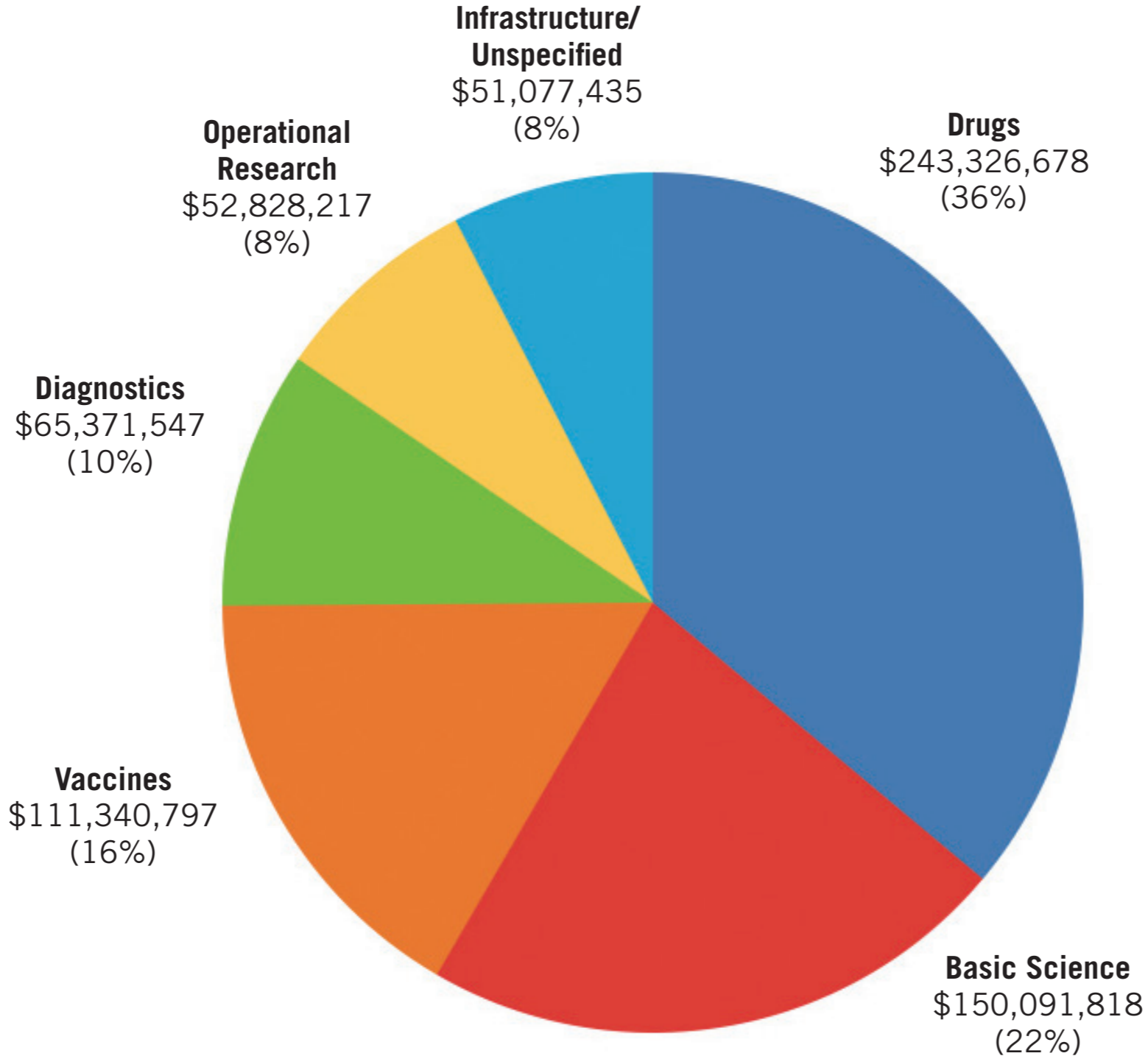
### Total TB R&D Funding by Research Category, 2005-2014 (in Millions)



**FIGURE 6**

# Total TB R&D Funding by Research Category, 2014

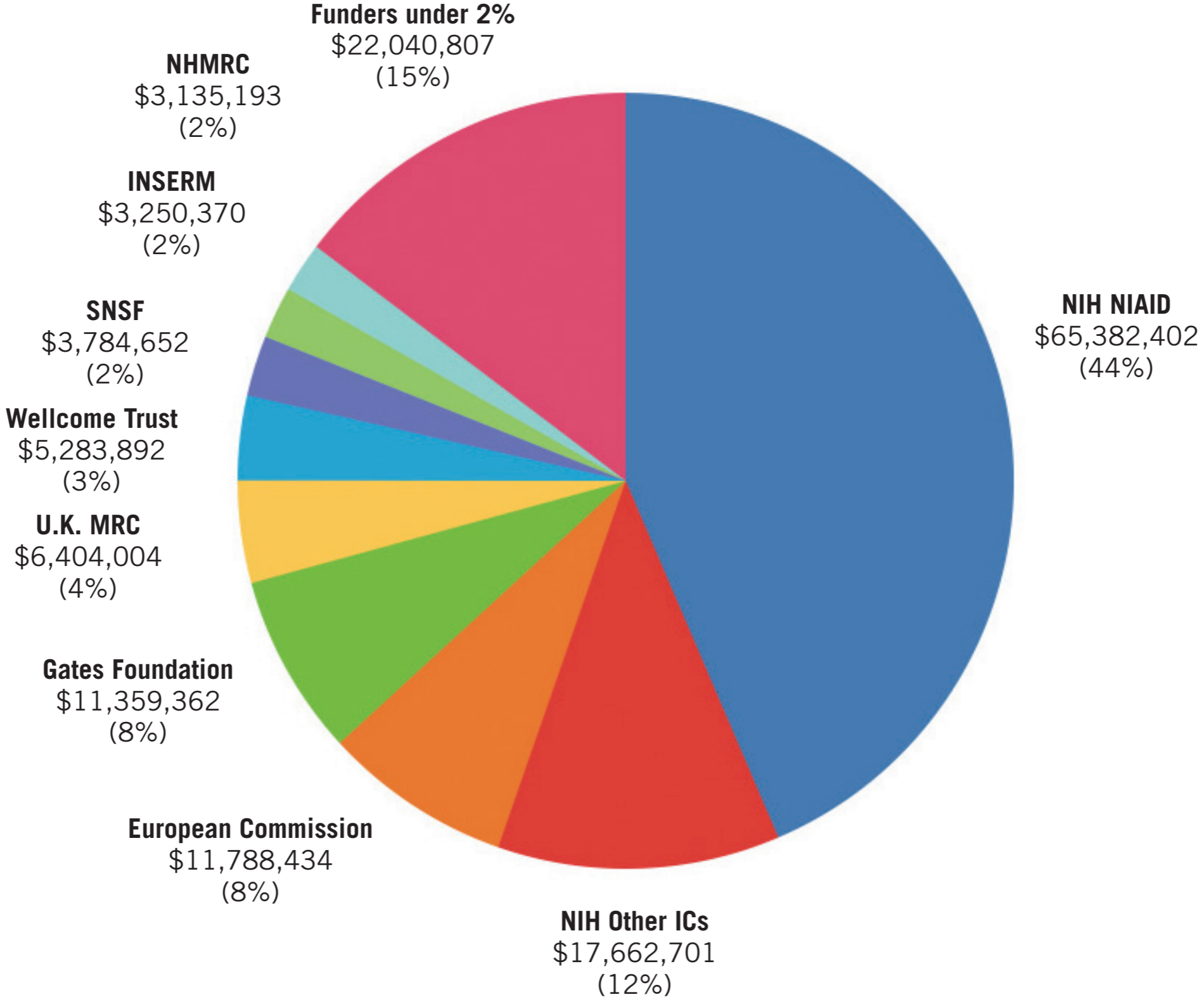
Total: \$674,036,492





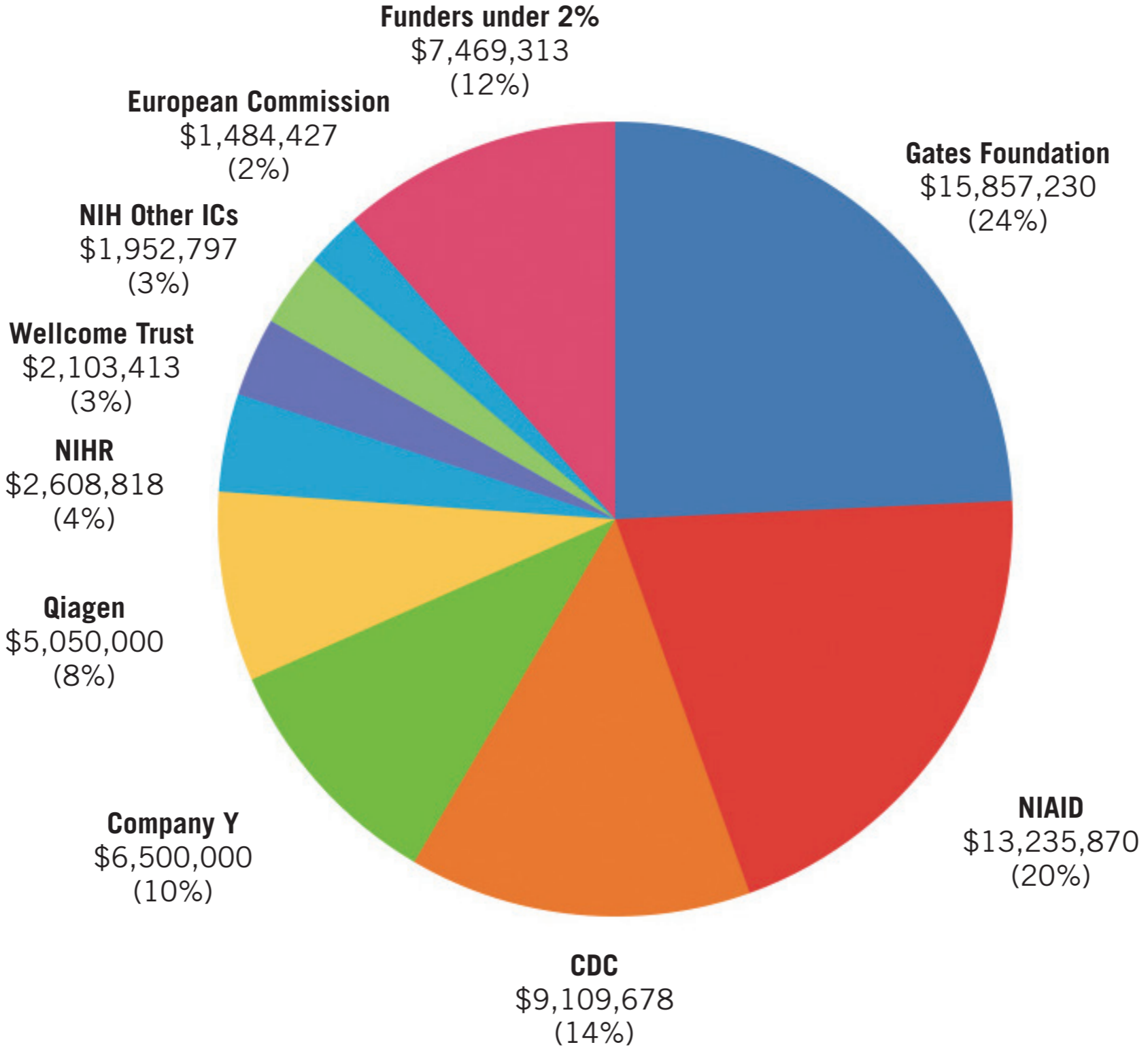
**FIGURE 7**

**Basic Science: \$150,091,818**



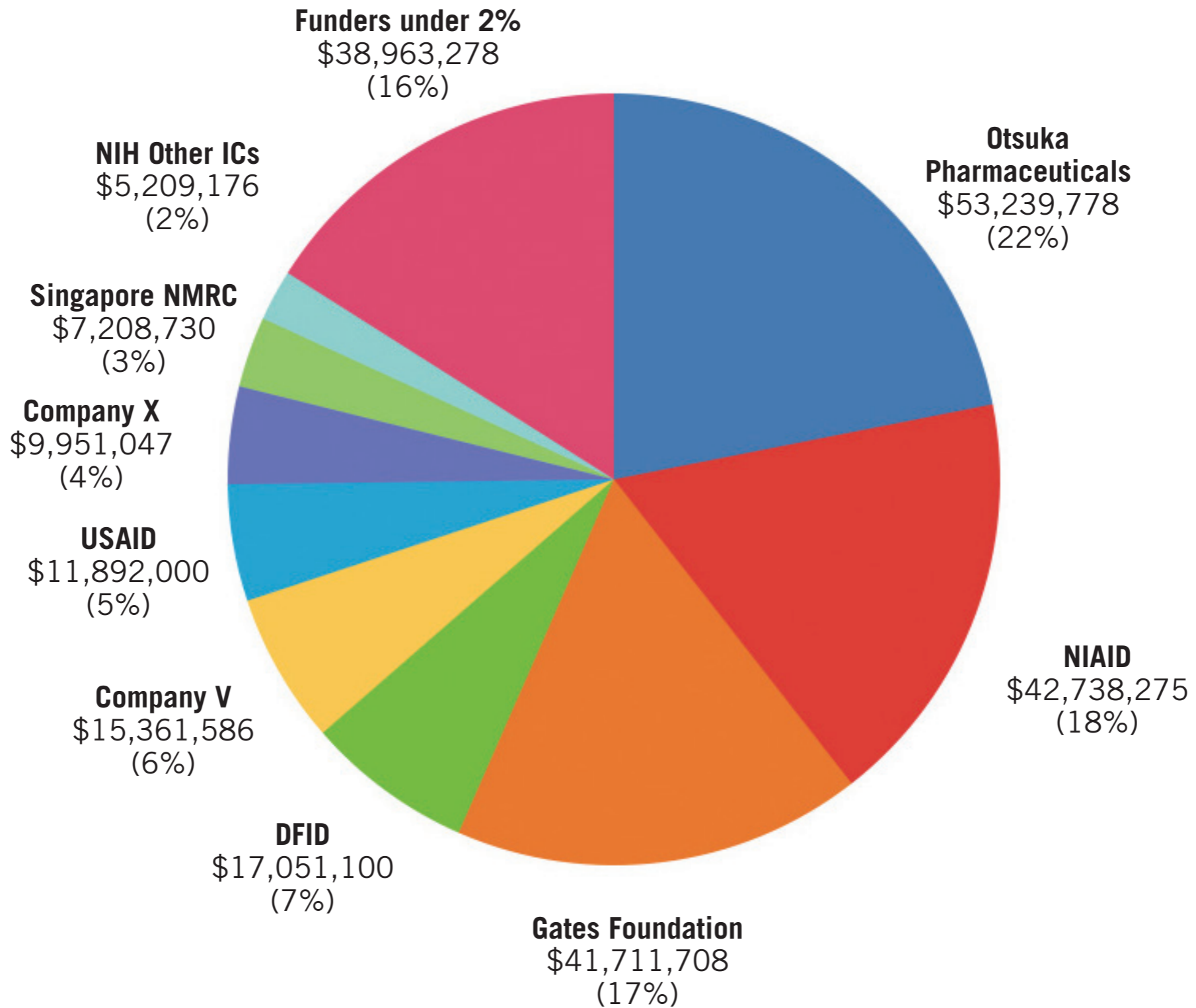
**FIGURE 8**

**Diagnostics: \$65,371,547**



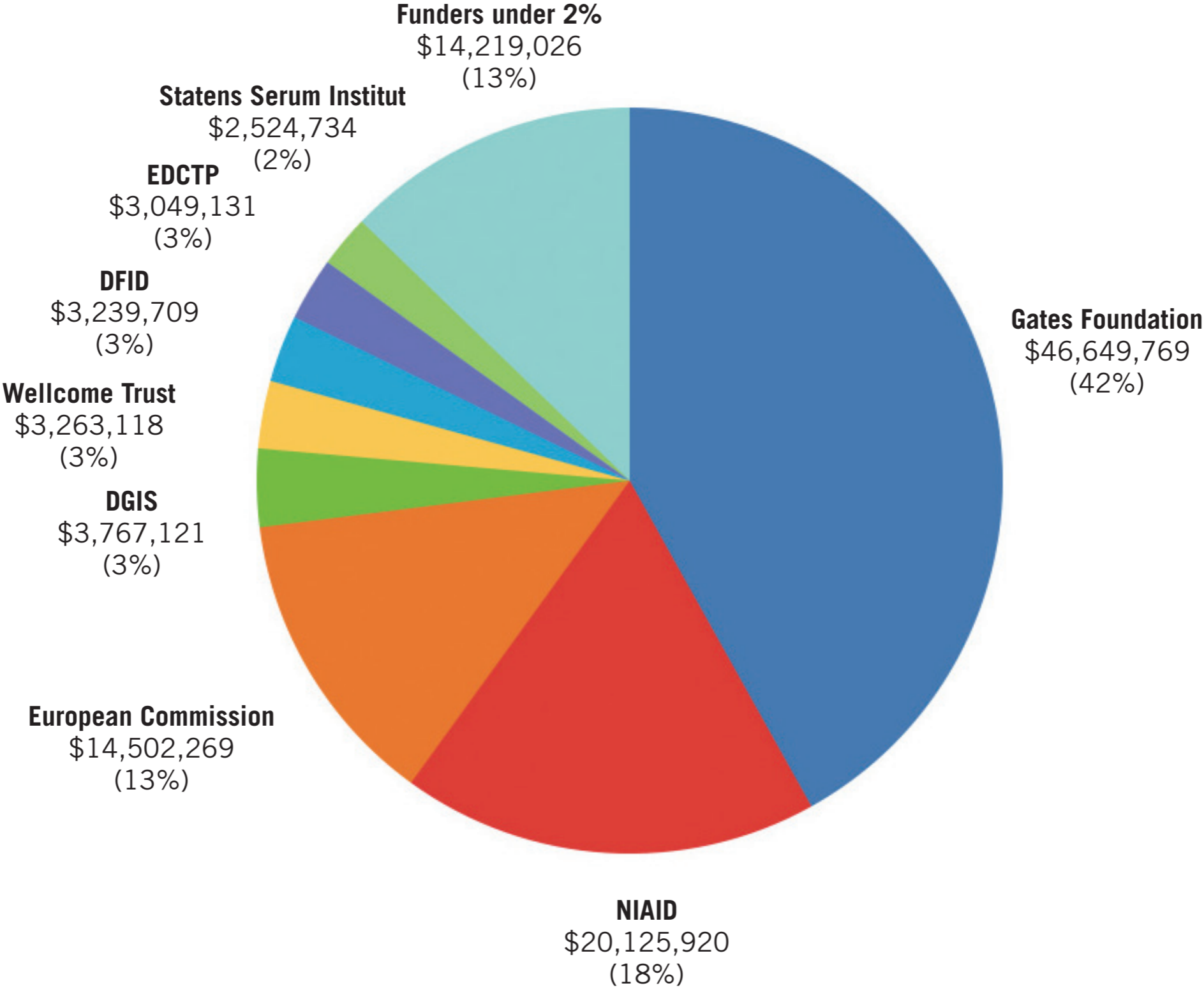
**FIGURE 9**

**Drugs: \$243,326,678**



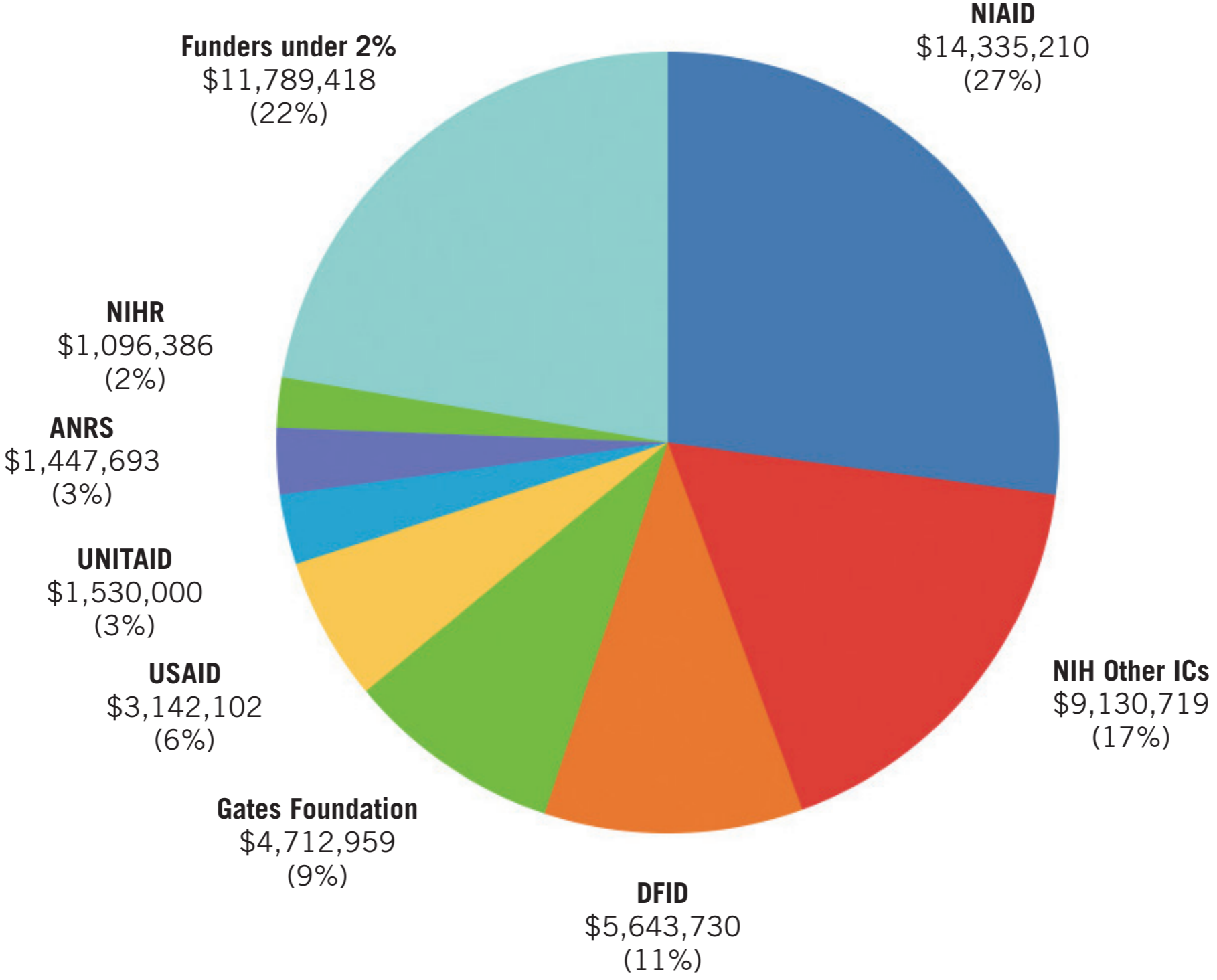
**FIGURE 10**

**Vaccines: \$111,340,797**



**FIGURE 11**

# Operational Research: \$52,828,217



**FIGURE 12**

## **Pediatric TB R&D Funding by Research Category, 2014**

**Total: \$25,749,039**

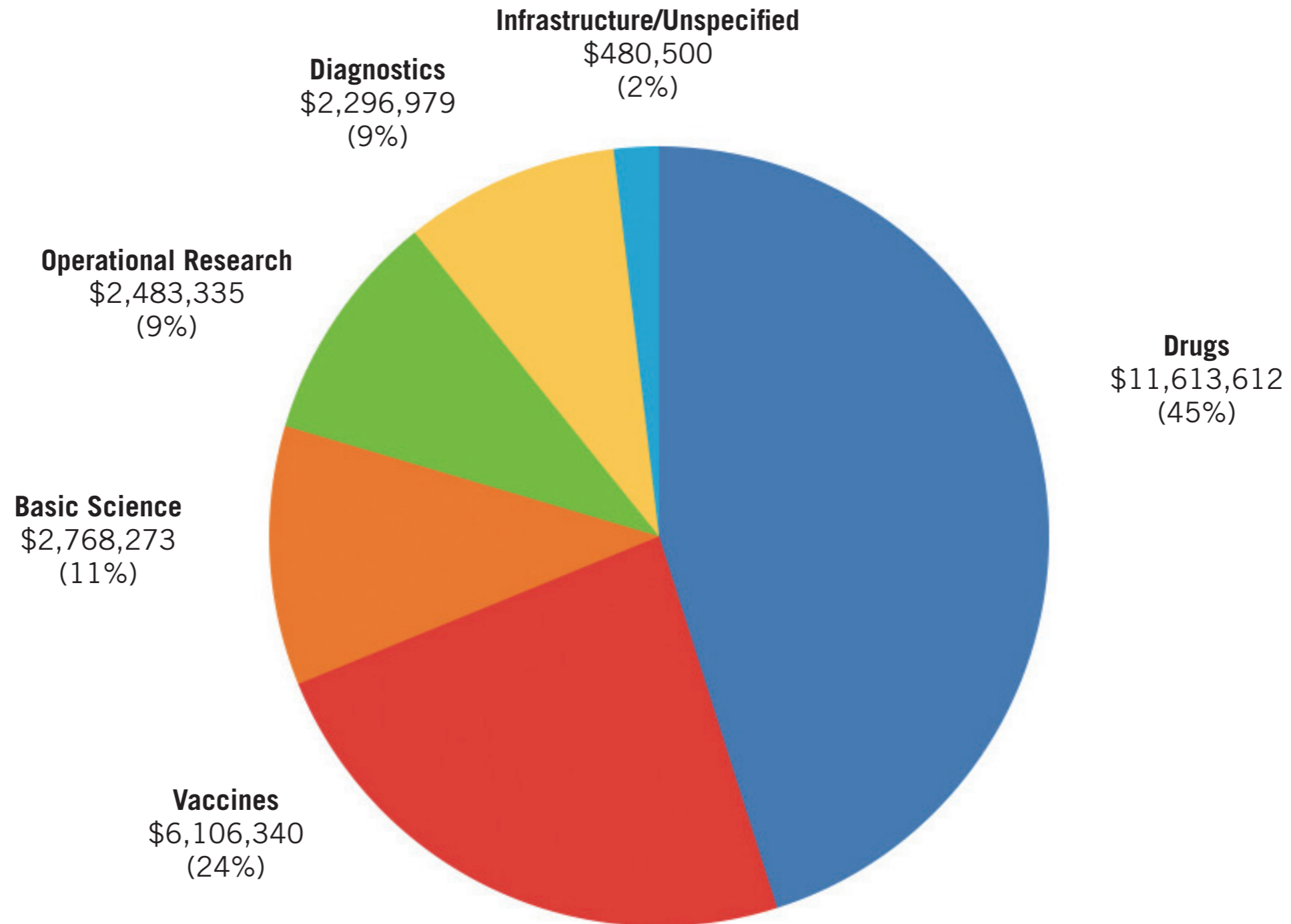


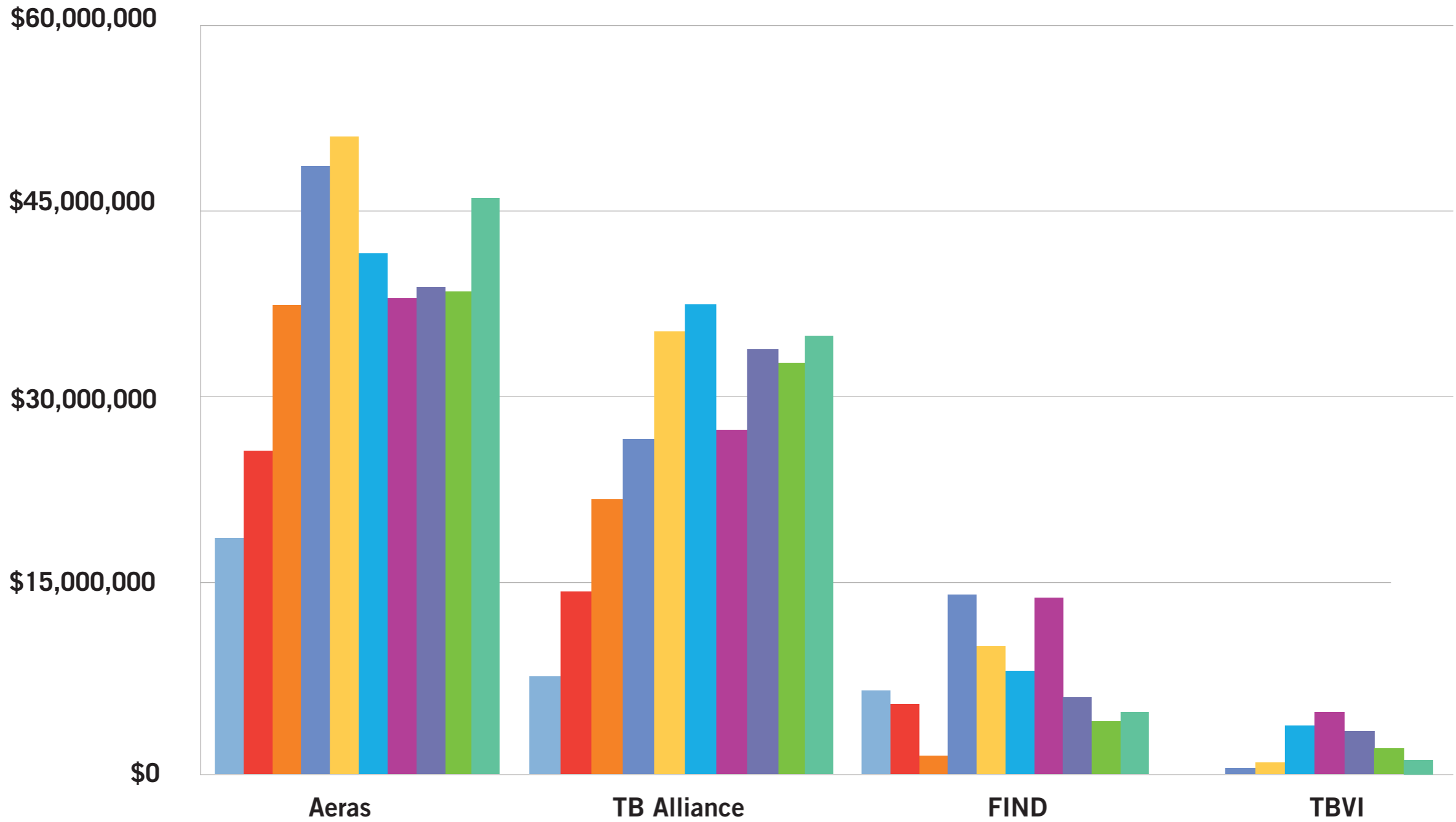
TABLE 3

## Pediatric TB R&D Funders by Rank, 2014

2014 RANK	FUNDING ORGANIZATION	FUNDER TYPE	2014 PEDIATRIC TB R&D FUNDING	PERCENTAGE OF TOTAL 2014 PEDIATRIC TB R&D FUNDING	TOTAL 2014 TB R&D FUNDING
1	U.S. National Institutes of Health, Other Institutes and Centers (NIH Other ICs)	P	\$6,077,122	23.60	\$37,988,748
2	U.S. National Institutes of Health, National Institute of Allergy and Infectious Diseases (NIAID)	P	\$4,170,434	16.20	\$168,013,064
3	UNITAID	M	\$3,444,522	13.38	\$4,974,522
4	European and Developing Countries Clinical Trials Partnership (EDCTP)	P	\$2,840,939	11.03	\$6,564,042
5	Macleods Pharmaceuticals	C	\$2,500,000	9.71	\$2,500,000
6	Wellcome Trust	F	\$1,692,707	6.57	\$14,541,329
7	U.K. Medical Research Council (U.K. MRC)	P	\$1,526,916	5.93	\$11,588,045
8	Company V	C	\$1,103,696	4.29	\$15,361,586
9	Bill & Melinda Gates Foundation	F	\$500,000	1.94	\$128,408,895
10	Médecins Sans Frontières	F	\$317,758	1.23	\$936,253
11	U.K. National Institute for Health Research	P	\$289,869	1.13	\$3,705,204
12	Canadian Institutes of Health Research	P	\$280,090	1.09	\$4,707,942
13	French National Agency for AIDS Research (ANRS)	P	\$197,018	0.77	\$1,933,838
14	French National Agency for Research (ANR)	P	\$153,671	0.60	\$2,865,585
15	Colombia Ministry of Health and Social Protection	P	\$132,500	0.51	\$350,519
16	Thrasher Research Fund	F	\$110,000	0.43	\$110,000
17	UBS Optimus Foundation	F	\$96,934	0.38	\$96,934
18	Australian Research Council	P	\$84,726	0.33	\$1,019,066
19	World Health Organization (WHO)	M	\$65,968	0.26	\$649,888
20	South African Medical Research Council (SAMRC)	P	\$51,808	0.20	\$2,515,493

**FIGURE 13**

### Total TB R&D Spending by PDPs, 2005-2014





**FIGURE 14**

# Country Contributions to TB R&D, 2014

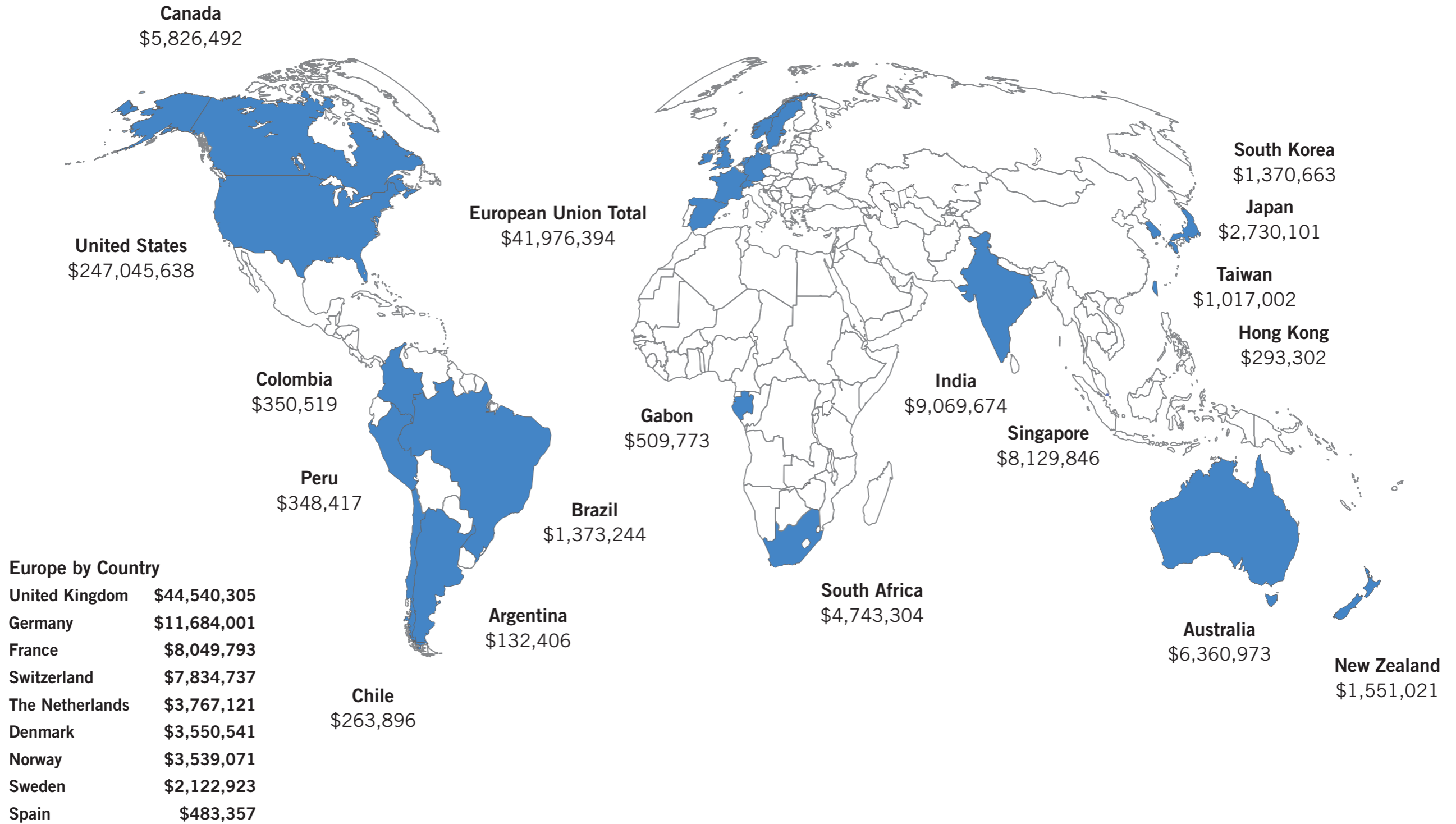


TABLE 4

## Country Funding for R&D and TB R&D as a Percentage of GDP

COUNTRY	TB R&D FUNDING 2014	GDP 2014 (IN BILLIONS)	EXPENDITURE ON R&D AS PERCENTAGE OF GDP 2005-2014	R&D EXPENDITURE AS PERCENTAGE OF GDP RANK ORDER	TB R&D EXPENDITURE AS PERCENTAGE OF GDP RANK ORDER
Singapore	\$8,129,846	\$308	2.10	13	1
United Kingdom	\$44,540,305	\$2,942	1.72	15	2
United States	\$247,045,638	\$17,419	2.79	7	3
South Africa	\$4,743,304	\$350	0.76	20	4
Switzerland	\$7,834,737	\$685	2.87	6	5
Denmark	\$3,550,541	\$342	2.98	4	6
New Zealand	\$1,551,021	\$188	1.27	17	7
Norway	\$3,539,071	\$500	1.65	16	8
India	\$9,069,674	\$2,067	0.81	19	9
Australia	\$6,360,973	\$1,454	2.39	9	10
The Netherlands	\$3,767,121	\$870	2.16	11	11
Sweden	\$2,122,923	\$571	3.41	2	12
Canada	\$5,826,492	\$1,787	1.73	14	13
European Union	\$41,976,394	\$13,403	2.14	12	14
Germany	\$11,684,001	\$3,853	2.92	5	15
France	\$8,049,793	\$2,829	2.26	10	16
Taiwan*	\$1,017,002	\$530	2.70	8	17
Chile	\$263,896	\$258	0.42	23	18
Hong Kong	\$293,302	\$291	0.75	21	19
South Korea	\$1,370,663	\$1,410	4.04	1	20
Colombia	\$350,519	\$378	0.17	24	21
Japan	\$2,730,101	\$4,602	3.39	3	22
Brazil	\$1,373,244	\$2,346	1.21	18	23
Argentina	\$132,406	\$540	0.65	22	24

\* Data on GDP taken from the National Statistics Bureau of the Republic of China (Taiwan); all other data on GDP and R&D expenditure come from the World Bank.